

**PROJECT CONTACTS**

PROPERTY OWNER: RICK JOHNSON, SR.  
RAJ STORE 23, LLC

OWNER'S AGENT: ANDRES BORAL  
BORAL ENGINEERING & DESIGN, INC.

**UTILITY COMPANIES**

<b>ELECTRIC:</b> FLORIDA POWER AND LIGHT 420 ALBEE FARM RD. VENICE, FL 34285 (800) 468-8243	<b>POTABLE WATER:</b> VENICE UTILITIES DEPARTMENT 200 WARFIELD AVE N. VENICE, FL 34285 (941) 480-3333	<b>TELEPHONE:</b> XFINITY BY COMCAST 1617 U.S. 41 BY-PASS S. VENICE, FL 34293 (888) 226-2278
<b>NATURAL GAS:</b> FERRELLGAS 509 LAUREL RD. E LAUREL, FL 34272	<b>WASTEWATER:</b> VENICE UTILITIES DEPARTMENT 200 WARFIELD AVE N. VENICE, FL 34285 (941) 480-3333	<b>CABLE AND INTERNET:</b> XFINITY BY COMCAST 1617 U.S. 41 BY-PASS S. VENICE, FL 34293 (888) 226-2278

**SITE DATA TABLE**

SITE ADDRESS: 301 SERANO WAY  
NOKOMIS, FL 34275

PROPERTY APPRAISERS LEGAL DESCRIPTION: TRACT 300, FUTURE DEVELOPMENT,  
MIRASOL TOWN CENTER PB 54 PG 162-164

PARCEL NUMBER: 0376130100  
SITE AREA: 41,381 SF (.95 AC)  
ZONING DESIGNATION: LAUREL EAST  
FUTURE LAND USE: MIXED USE CORRIDOR

**PARKING REQUIREMENTS**

\*\*SEE PARKING STUDY\*\*  
(1 SPACE PER 200 SF)

7,040 SF/200 SF = 35.2  
SPACES REQ'D = 36

**COMPACT SPACES**  
(30% OF TOTAL PARKING)  
28(.3) = 8.4

COMPACT ALLOWED = 8 SPACES  
TOTAL SPACES PROP = 28  
- 18 STANDARD SPACES  
- 8 COMPACT SPACES  
- 2 HANDICAP SPACES

**PROPOSED BUILDING**

1 - BUILDING  
USE: TIRE & AUTO SERVICES

SALES FLOOR: 921 SF  
SERVICE GARAGE: 4,574 SF  
TIRE STORAGE: 1097 SF  
COVERED ENTRY: 448 SF

TOTAL BUILDING AREA: 7,040 SF  
CONSTRUCTION TYPE: TYPE 'V' - C.B.S

F.A.R CALCS: BUILDING AREA = 7,044 SF = 17.01%  
GROSS LOT AREA 41,381 SF

**APPLICABLE PERMITS**

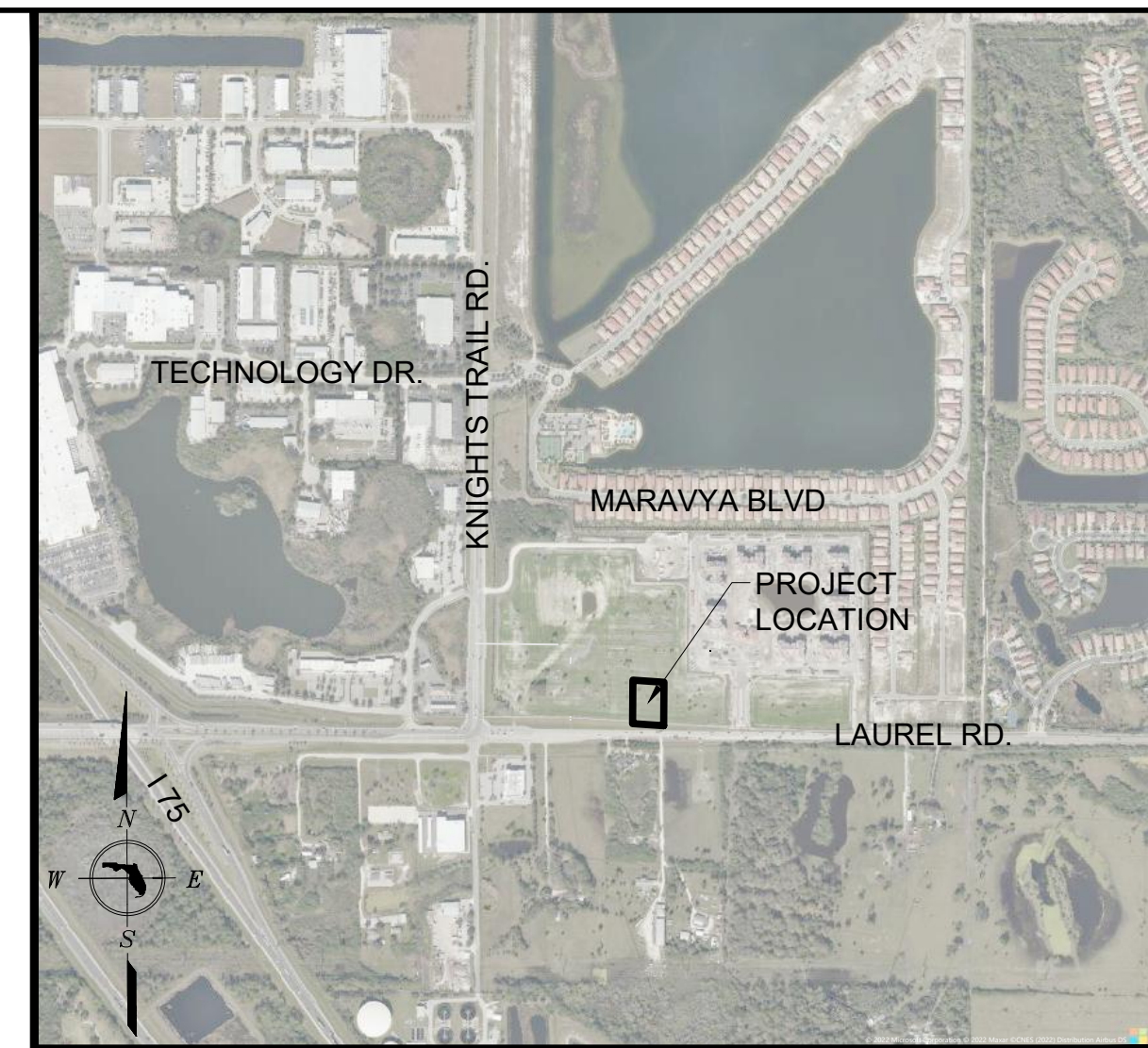
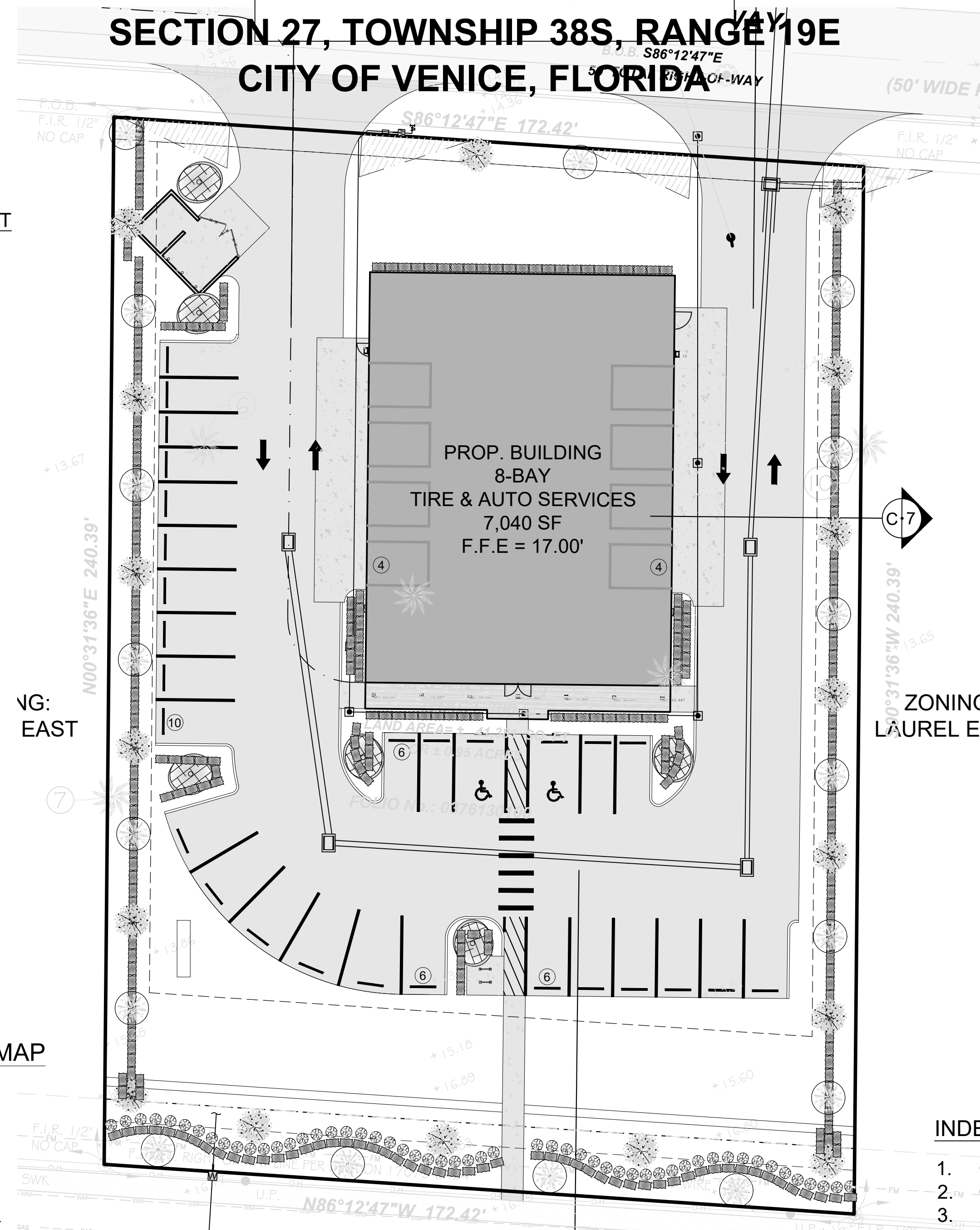
CITY OF VENICE  
- SITE DEVELOPMENT PERMIT

S.W.F.W.M.D  
- ERP MODIFICATION

**SITE CONSTRUCTION PLANS**



SECTION 27, TOWNSHIP 38S, RANGE 19E  
CITY OF VENICE, FLORIDA



VICINITY MAP  
SCALE: 1" = 1,000'

**BUILDING SETBACKS**      **LANDSCAPE BUFFERS**

	REQ'D	PROV'D	REQ'D	PROV'D
NORTH (FRONT): COMMERCIAL	5'	25.84'	5'	5'
SOUTH (REAR): R.O.W	10'	108.26'	40'	40'
EAST (SIDE): COMMERCIAL	0'	40.14'	10'	10'
WEST (SIDE): COMMERCIAL	0'	56.91'	10'	10'

**ZONING DESIGNATION**

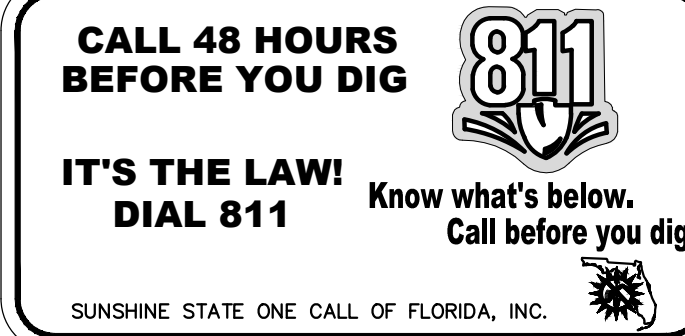
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LAUREL EAST

**FUTURE LAND USE**

SITE: MIXED USE CORRIDOR  
NORTH: MIXED USE CORRIDOR  
SOUTH: MIXED USE CORRIDOR  
EAST: MIXED USE CORRIDOR  
WEST: MIXED USE CORRIDOR

**INDEX OF SHEETS**

- COVER SHEET
- GENERAL NOTES
- AERIAL, EXIST. CONDITIONS, DEMO. & EROSION CONTROL PLAN
- SITE DIMENSION & STRIPING PLAN
- GRADING, PAVING & DRAINAGE PLAN
- UTILITY PLAN
- CROSS SECTIONS
- GRADING, PAVING & DRAINAGE DETAILS
- UTILITY DETAILS
- LANDSCAPE, IRRG. & OPEN SPACE PLAN
- UTILITY OVERLAY
- SITE LIGHTING PLAN



**NOTES:**

ALL EXISTING (SURVEY) & ALL PROPOSED GRADE ELEVATIONS & CONTOURS SHOWN REFER TO N.A.V.D. '88. THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTION(S). THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

**PROJECT AREA BREAKDOWN**

	SQUARE FEET	ACRES	PERCENTAGE
TOTAL	41,381	0.950	100.00%
BUILDING	7,040	0.162	17.01%
PAVEMENT	17,797	0.409	43.01%
IMPERVIOUS	24,837	0.570	60.02%
PERVIOUS	16,544	0.380	39.98%

LOCATION MAP

PROJECT:	21-160
DATE:	06/22
ANDRES BORAL, P.E. MEA LICENSE # 8037, F.P.E. # 3152 23150 FASHION DR, SUITE 200, ESTERO FL 33928 ANDRES@BORALENGINEERING.COM (P) 239-492-6599	
BORAL ENGINEERING	
OWNER: R.A. JOHNSON, INC. 301 SERANO WAY NOKOMIS, FL 34118	
REVISION DESCRIPTION	
BY	DATE
REVISOR PER 3RD ROUND CITY COMMENTS	
LAUREL RICK JOHNSON LAUREL ROAD NOKOMIS, FL 34275	
COVER SHEET	
SHEET 1 OF 11	

**GENERAL CONSTRUCTION NOTES:**

1. THE CONTRACTOR SHALL BE REQUIRED TO MEET ALL "MAINTENANCE OF TRAFFIC" REQUIREMENTS AS PRESCRIBED IN THE CURRENT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", F.H.W.A. MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, CURRENT EDITION, AND ALL APPLICABLE SECTIONS OF THE ROAD AND TRAFFIC DESIGN STANDARDS, FLORIDA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
2. FINAL ALIGNMENTS, MATERIALS, COLORS, FINISHES, FOR PEDESTRIAN HARDSCAPE AREAS MAY BE ADJUSTED ON SITE BY OWNER OR OWNER REPRESENTATIVE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ANY UTILITY RELOCATION WITH THE UTILITY COMPANY SUCH THAT ALL CONFLICTS ARE RESOLVED.
4. THE CONTRACTOR SHALL COMPLY WITH CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) SPECIFICATIONS, SPECIFICALLY IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE "SPECIFICATIONS FOR ROAD BRIDGE CONSTRUCTION" AND THE "ROAD AND TRAFFIC DESIGN STANDARDS", UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL VERIFY ALL BUILDING DIMENSIONS WITH THE ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO THE ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED BY AND AT THE CONTRACTOR'S EXPENSE.
6. IF ANY WELLS ARE LOCATED DURING CONSTRUCTION THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE ENGINEER.
7. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SWALES AND OUTFALLS. (REFER TO EROSION CONTROL PLAN)
8. WHERE THE NEW PAVEMENT IS DISCONTINUED IT SHALL BE FLUSH WITH OR HAVE A SMOOTH TRANSITION WITH ADJACENT PAVEMENT.
9. ALL INVERT ELEVATIONS NOTED FOR DRAINAGE STRUCTURES ARE FLOW LINE ELEVATIONS.
10. ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988.
11. AT THE CONTRACTOR'S EXPENSE, ALL FRAMES, COVERS, VALVE BOXES, METER BOXES AND MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE UPON COMPLETION OF PAVING OR RELATED CONSTRUCTION.
12. ANY SURPLUS MATERIAL WILL REMAIN THE PROPERTY OF THE OWNER; AND THE CONTRACTOR, AT HIS EXPENSE SHALL STOCKPILE THE SURPLUS MATERIAL AS DIRECTED BY OWNER.
13. THE LIMITS OF CONSTRUCTION SHALL MATCH THE LIMITS OF CLEARING & GRUBBING UNLESS OTHERWISE NOTED ON PLANS.
14. ALL UTILITY WORKMANSHIP AND MATERIALS FOR THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND STANDARDS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), THE STATE OF FLORIDA DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES (HRS) UNLESS OTHERWISE NOTED.
15. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY THE SIZE, DEPTH AND LOCATION OF ALL UTILITIES IN THE FIELD WITHIN THE PROJECT LIMITS PRIOR TO CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO THE ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER AND/OR OWNER WILL NOT GUARANTEE ANY LOCATIONS AS SHOWN ON THESE PLANS OR THOSE OMITTED FROM THE SAME.
16. ALL DISTURBED AREAS WITHIN PROJECT SITE SHALL BE REGRADED AS REQUIRED AND STABILIZED WITH SOD. VACANT LOT AREAS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE SEEDED & MULCHED.
17. CONCRETE SIDEWALK: USE CLASS 1, 3000 PSI (MINIMUM) CONCRETE. APPLY A BROOM FINISH AND MAKE VERTICAL SAW CUTS AT 5' ON CENTER AT A DEPTH OF 1/4 OF THE SLAB THICKNESS. PROVIDE PRE-FORMED EXPANSION JOINTS AT 100' ON CENTER.
18. ALL HANDICAP SPACES, RAMPS, AND ACCESS AREAS SHALL COMPLY IN STRICT ACCORDANCE WITH THE "AMERICAN DISABILITY ACT" (ADA) (28 CFR PART 36), AND "ACCESSIBILITY BY HANDICAPPED PERSONS" CHAPTER 553, PART V, FLORIDA STATUTES. ANY DISCREPANCY SHALL BE CALLED TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION.
19. CONCRETE CURB & GUTTER AND STRAIGHT CURB: USE CLASS 1, 3000 PSI (MINIMUM) CONCRETE. MAKE VERTICAL SAW CUTS EVERY 10' ON CENTER WITH PRE-MOLDED EXPANSION JOINTS EVERY 100' ON CENTER.
20. PAVEMENT MARKINGS AND SIGNS SHALL BE IN STRICT ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.) FOR STREETS AND HIGHWAYS" AND FDOT STANDARD INDEX #17346.
21. THE SIZES AND LOCATIONS OF THE UNDERGROUND PRESSURE MAINS, STORM DRAINS, GRAVITY MAINS, ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE BEST INFORMATION OBTAINED BY THE ENGINEER AT THE TIME OF DESIGN. THE CONTRACTOR SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH OF ALL UTILITIES DESCRIBED ABOVE PRIOR TO INSTALLATION OF THEIR FACILITIES.
22. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

**MISCELLANEOUS NOTES:**

1. FINAL ALIGNMENTS, MATERIALS, COLORS, FINISHES, FOR PEDESTRIAN HARDSCAPE AREAS MAY BE ADJUSTED ON SITE BY OWNER OR OWNER REPRESENTATIVE.
2. THE SIZES AND LOCATIONS OF THE UNDERGROUND PRESSURE MAINS, STORM DRAINS, GRAVITY MAINS, ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE BEST INFORMATION OBTAINED BY THE ENGINEER AT THE TIME OF DESIGN. THE CONTRACTOR SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH OF ALL UTILITIES DESCRIBED ABOVE PRIOR TO INSTALLATION OF THEIR FACILITIES.

**DEMOLITION NOTES:**

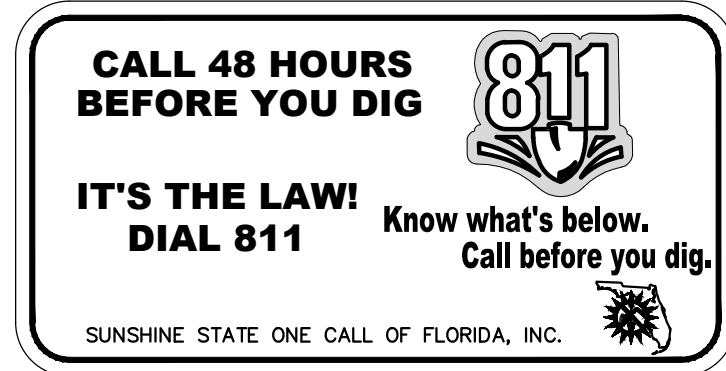
1. SURROUNDING FACILITIES SHALL STAY OPERATIONAL AT ALL TIMES OF CONSTRUCTION.
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION, AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION. ANY UTILITIES THAT ARE DISTURBED OR DAMAGED BY THE CONTRACTOR SHALL BE IMMEDIATELY REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE. ANY DISCREPANCY NOT CALLED TO THE ENGINEER'S ATTENTION PRIOR TO ACCOMPLISHMENT OF THE WORK SHALL BE CORRECTED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DEMOLITION OF ANY EXISTING STRUCTURES WITHIN THE PROJECT LIMITS. ALL DEBRIS GENERATED SHALL BE REMOVED FROM THE SITE AND HAULED TO A COUNTY APPROVED OFF-SITE DUMP. THE CONTRACTOR SHALL ACQUIRE ALL NECESSARY PERMITS FOR THESE OPERATIONS.
4. RELOCATION OR REMOVAL OF EXISTING LANDSCAPE MATERIAL SHALL BE COORDINATED WITH THE OWNER AND/OR LANDSCAPE ARCHITECT.
5. THE CONTRACTOR, AT HIS OWN EXPENSE AND IN CONFORMANCE WITH ANY APPLICABLE GOVERNMENTAL REGULATION, SHALL DURING THE COURSE OF AND AFTER COMPLETION OF CONSTRUCTION, REMOVE FROM THE JOB SITE AND DISPOSE OF, IN AN AUTHORIZED GARBAGE OR RUBBISH DISPOSAL SITE, ALL RUBBISH, SCRAP, AND DEBRIS ACCUMULATED IN CONNECTION WITH HIS WORK AND SHALL DELIVER THE WORK IN A NEAT AND WORKMANLIKE MANNER.
6. DURING USE OF STREETS AND HIGHWAYS FOR WORK TO BE DONE UNDER THIS CONTRACT, DETERMINE AND CONFORM TO ALL STATE, COUNTY, AND LOCAL LAWS AND REGULATIONS. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN EFFECTIVE BARRICADES, WARNING SIGNALS AND SIGNS ON ALL AFFECTED STREETS OR HIGHWAYS FOR PROTECTION OF COMPLETED WORK AND TO ENSURE THE SAFETY OF THE PUBLIC. ALL BARRICADES OR OBSTRUCTIONS WHICH ENCRUACH ON, OR ARE ADJACENT TO, PUBLIC RIGHTS-OF-WAYS SHALL BE PROVIDED WITH LIGHTS WHICH SHALL BE KEPT ILLUMINATED AT ALL TIMES BETWEEN SUNSET AND SUNRISE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM ANY NEGLIGENCE OR FAILURE TO MEET THESE REQUIREMENTS.
7. THE CONTRACTOR SHALL ARRANGE WORK TO MINIMIZE AMOUNT OF DISTURBANCE TO NORMAL PEDESTRIAN AND VEHICULAR TRAFFIC AND PROVIDE ADEQUATE MEANS OF ACCESS TO ALL PUBLIC AND PRIVATE PROPERTIES DURING CONSTRUCTION. IF CONSTRUCTION WORK SHOULD REQUIRE REPAIRS, CHANGES, OR MODIFICATIONS OF OTHER UTILITIES, THE CONTRACTOR SHALL PROVIDE FOR MAINTENANCE OF CONTINUOUS WATER, ELECTRIC, TELEPHONE, GAS, SEWAGE, AND OTHER UTILITY SERVICES TO ALL CONNECTED CUSTOMERS OF SUCH UTILITIES UNLESS APPROVAL IN WRITING IS OBTAINED FROM UTILITY COMPANY OR OWNER FOR INTERRUPTION OF SUCH SERVICES.
8. CONTRACTOR SHALL CLEAN OR REPAIR ANY EXISTING INLETS & S.D. PIPES, WITHIN SITE THAT WHERE DAMAGED OR DISTURBED DURING CONSTRUCTION.
9. EXISTING AREA LIGHTING REMOVAL AND/OR RELOCATION SHALL BE COORDINATED W/ OWNER AND APPROVED SITE LIGHTING PLAN. UNDERGROUND ELECTRIC AND TRANSFORMER RELOCATION SHALL BE COORDINATED W/OWNER AND UTILITY COMPANY.

**GENERAL STORMWATER NOTES:**

1. ALL STORM WATER STRUCTURES SHALL BE BEDDED ON 6" MINIMUM COMPACTED GRAVEL OR CRUSHED STONE.
2. STORM WATER PIPES INSTALLED BELOW THE WATER TABLE, WITHIN WET CONDITIONS WILL REQUIRE 6" MINIMUM COMPACTED GRAVEL OR CRUSHED STONE BEDDING.
3. ALL STORM WATER PIPES AND STRUCTURES WITHIN PUBLIC TRAFFICABLE AREAS SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
4. STORM WATER PIPES WITHIN PRIVATE PROPERTY MAY BE SMOOTH WALLED HDPE OR A-2000 PVC WITH WATERTIGHT CONNECTIONS AND SUFFICIENT COVER AS CALCULATED BY THE EOR. ROOF DRAINAGE PIPE MAY BE C900 DR-25 PVC WHITE COLOR OR BLUE COLOR WITH WHITE TAPE. POLYPROPYLENE PIPE MAY BE USED UNDER ROADWAYS WITHIN PRIVATE PROPERTY. NOTE THAT STRUCTURES WILL NEED TO BE PLACED AT CHANGES IN GRADES OR ELEVATIONS AS WELL AS CHANGED OF DIRECTIONS (ELBOWS AND TEES CANNOT BE USED).
5. NO LIFTING HOLES OR OTHER SIMILAR PENETRATIONS OF STORM WATER PIPING PERMITTED. ALL PIPING JOINTS SHALL BE WRAPPED WITH A MIRAFI FILTER FABRIC OR EQUAL.
6. ALL PIPE JOINTS WILL BE GASKETED ACCORDING TO THE MANUFACTURER, FDOT AND ASTM STANDARDS TO PROVIDE A LEAK PROOF CONNECTION.
7. ALL PRE-CAST STRUCTURES SHALL MEET FDOT AND ASTM C-478 STANDARDS.
8. INLET GRATINGS IN AREAS ACCESSIBLE TO BICYCLE OR TO PEDESTRIAN USE MUST BE RETICULINE OR OF SIMILAR MANUFACTURE.
9. INLET GRATINGS IN CORROSIVE AREAS SHALL BE GALVANIZED.
10. STORM WATER INLETS SHOULD BE DESIGNED TO REJECT DEBRIS, TRASH AND OTHER POLLUTANTS FROM ENTERING INTO PUBLIC STORM WATER CONVEYANCES.
11. OUTFALLS INTO THE SURFACE WATERS SHOULD BE DESIGNED WITH DEVICES TO REDUCE THE DISCHARGE OF FOREIGN MATERIALS.

**LEGEND**

- MANHOLE I.D.
- PROPOSED FORCE MAIN
- PROPOSED FIRE HYDRANT ASSEMBLY W/PIPE BOLLARDS (TYP)
- PROPOSED WATER MAIN W/ METER AND RPBFP
- PROPOSED SANITARY SEWER MAIN W/MANHOLE
- PROPOSED 6" SEWER LATERAL W/CLEAN-OUT
- TRANSFORMER PAD (BY OTHERS)
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE SURFACE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED BUILDING
- PROPOSED COVERED PARKING STRUCTURE
- LIGHT POLE (BY OTHERS)
- EXIST. STORM DRAIN & INLET
- INLET STRUCTURE I.D.
- PROP. STORM DRAIN & INLET
- PROP. MITERED END SECTION
- EXISTING ELEVATION
- PROPOSED ELEVATION
- DRAINAGE FLOW ARROW
- BERM/DETENTION AREAS
- ROCK BOULDER RIP-RAP OVER FILTER FABRIC
- DRY DETENTION/RETENTION



<p>PROJECT: 21-160 DATE: 06/22</p>	<p>ANDRES BORAL, P.E. MEA LICENSE # 8073, FBPE # 21552 23150 FASHION DR, SUITE 200, ESTERO FL 33928 ANDRES@BORALENGINEERING.COM (P) 239-492-0509</p>	<p>OWNER: R.A. JOHNSON, INC. LAUREL ROAD NOKOMIS, FL 34418</p>	<p>REVISION DESCRIPTION</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION DESCRIPTION</th> </tr> <tr> <td> </td> <td>12/20/22</td> <td>AB</td> <td>REVISED PER ROUND CITY COMMENTS</td> </tr> </table>	NO.	DATE	BY	REVISION DESCRIPTION		12/20/22	AB	REVISED PER ROUND CITY COMMENTS	<p><b>LAUREL RICK JOHNSON</b> LAUREL ROAD NOKOMIS, FL 34475</p>	<p><b>GENERAL NOTES</b></p>
NO.	DATE	BY	REVISION DESCRIPTION										
	12/20/22	AB	REVISED PER ROUND CITY COMMENTS										
<p><b>SHEET 2 OF 11</b></p>													



**SOILS**

**55** EAUGALLIE-MYAKKA FINE SAND

**F.L.U.C.C.S.**

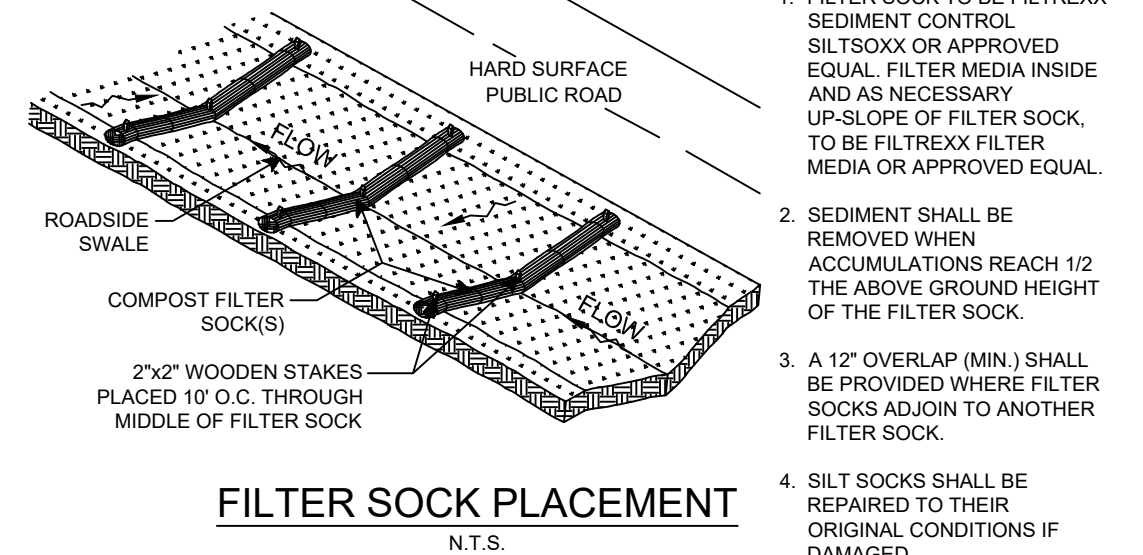
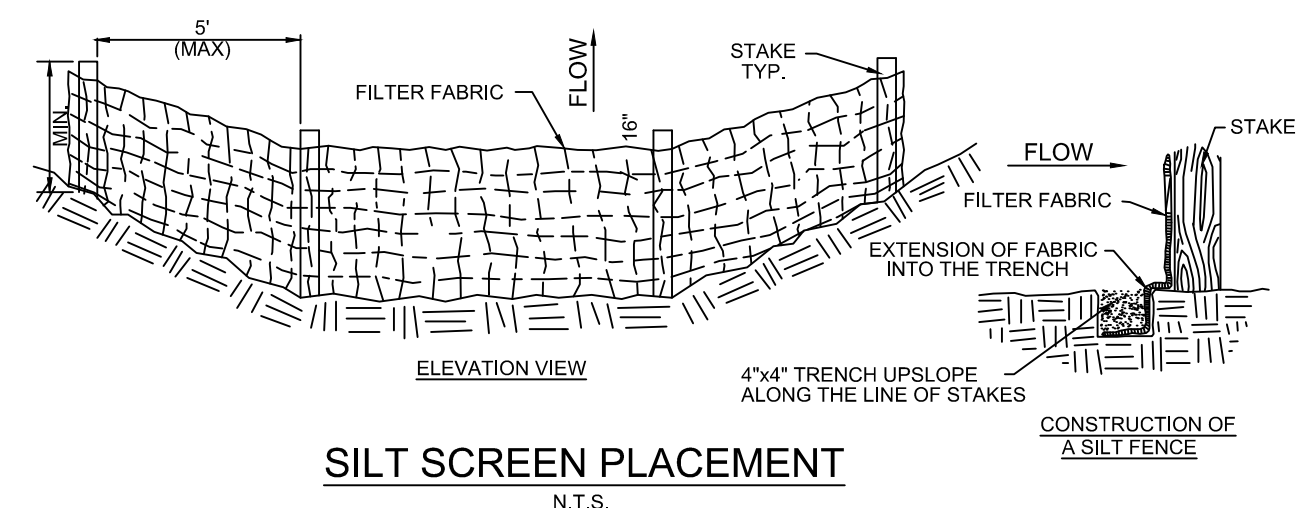
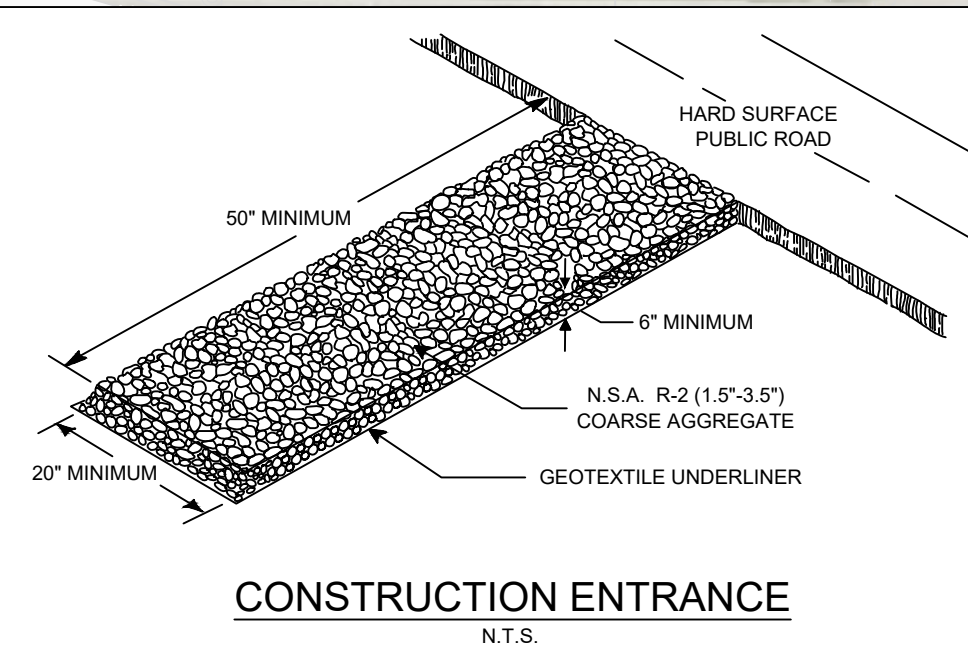
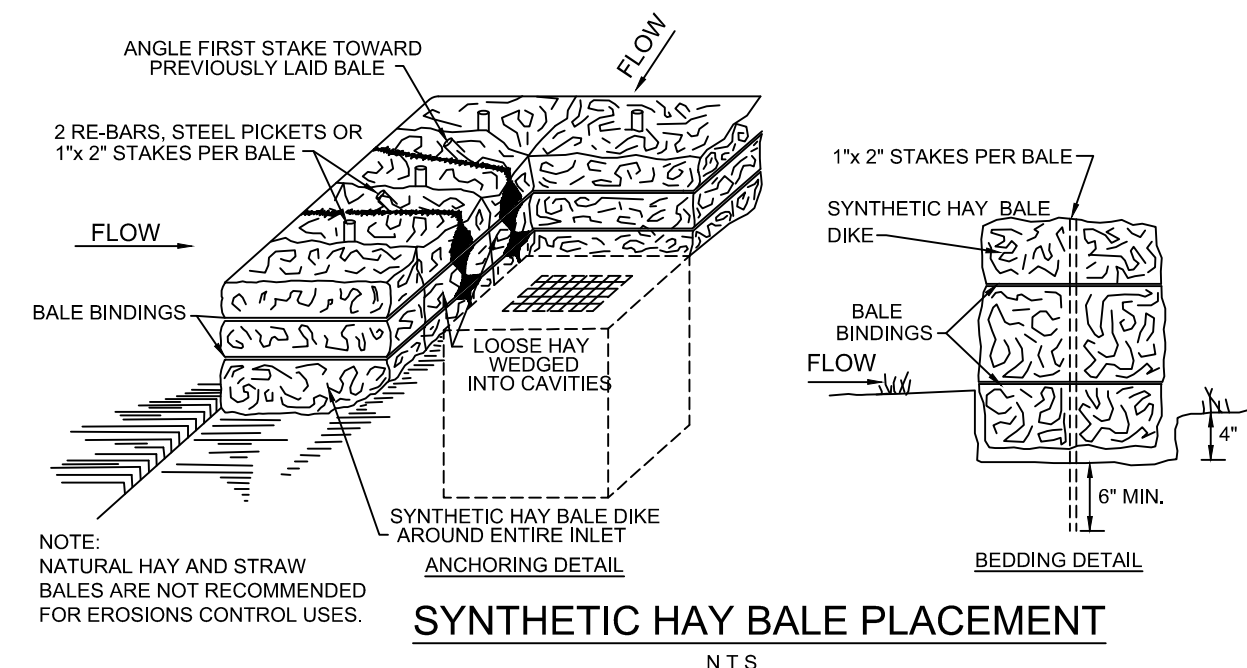
**1400** COMMERCIAL & SERVICES

**TREE REMOVAL LIST**

SYMBOL	QTY	SPECIES	SIZE, SPEC. & SPREAD
	3	PALM TREE	1' DIAMETER 15' - 18' HEIGHT 10' SPREAD

**EROSION CONTROL NOTES**

1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HERON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A. AND FLORIDA DEP STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC HAY OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION, FILTER FABRIC, SILT SCREENS, STRAW BALES OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS.
17. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.W.F.W.M.D. SHORT TERM DEWATERING CRITERIA.
20. CONTRACTOR SHALL COORDINATE WITH ENVIRONMENTAL CONSULTANT TO ABANDON OR RELOCATE EXISTING MONITORING WELLS AND OTHER SIMILAR ENVIRONMENTAL FACILITIES; AND FOR PROTECTION OF SUCH FACILITIES TO BE RETAINED ON THE SUBJECT PROPERTY.
21. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
22. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC R/W.
23. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



**CALL 48 HOURS BEFORE YOU DIG**

**811**

**IT'S THE LAW! DIAL 811**

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

SUNSHINE STATE ONE CALL OF FLORIDA, INC.

**NOTES:**

ALL **EXISTING** (SURVEY) & ALL **PROPOSED** GRADE ELEVATIONS & CONTOURS SHOWN REFER TO **N.A.V.D. '88**.

THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTION(S). THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

PROJECT: 21-160  
DATE: 06/22

ANDRES BORAL, P.E. MEA  
LICENSE # 8073, FBPE # 31552  
23150 FASHION DR., SUITE 200, ESTERO FL 33928  
ANDRES@BORALENGINEERING.COM  
(P) 239-492-6509

**BORAL**  
ENGINEERING

WWW.BORALENGINEERING.COM

OWNER:  
R.A. JOHNSON, INC.  
LAUREL ROAD  
NOKOMIS, FL 34418

REVISION DESCRIPTION  
REVISED PER 2ND ROUND CITY COMMENTS

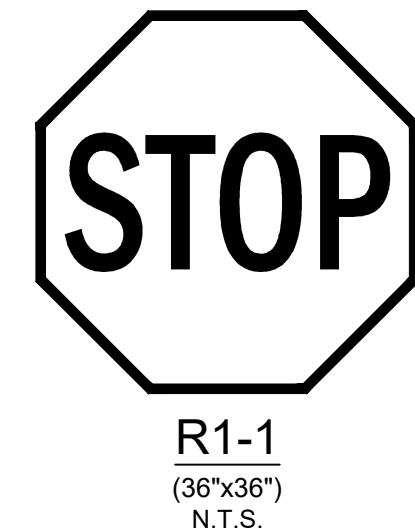
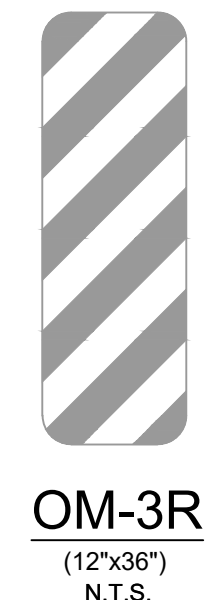
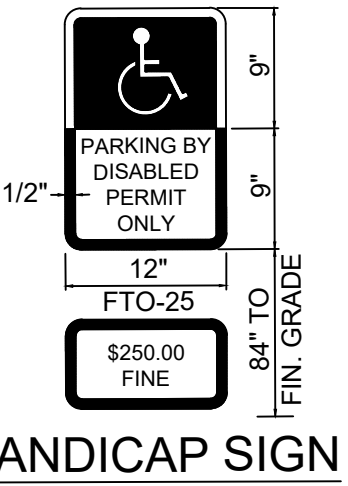
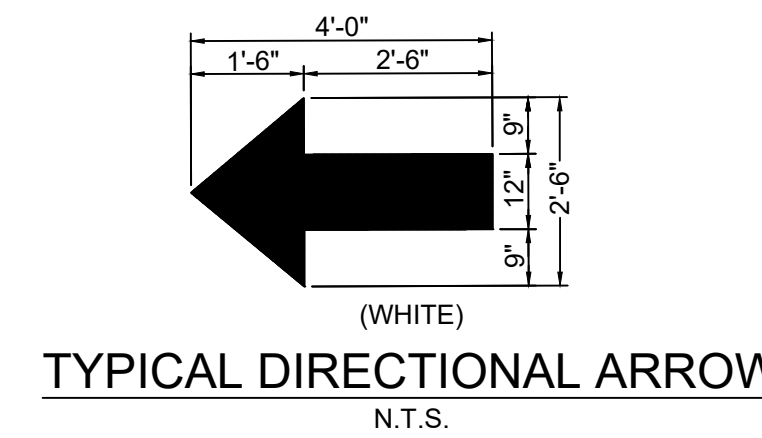
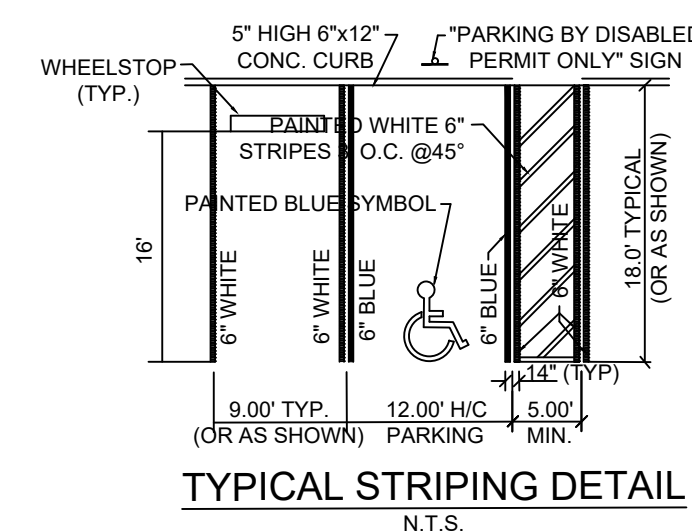
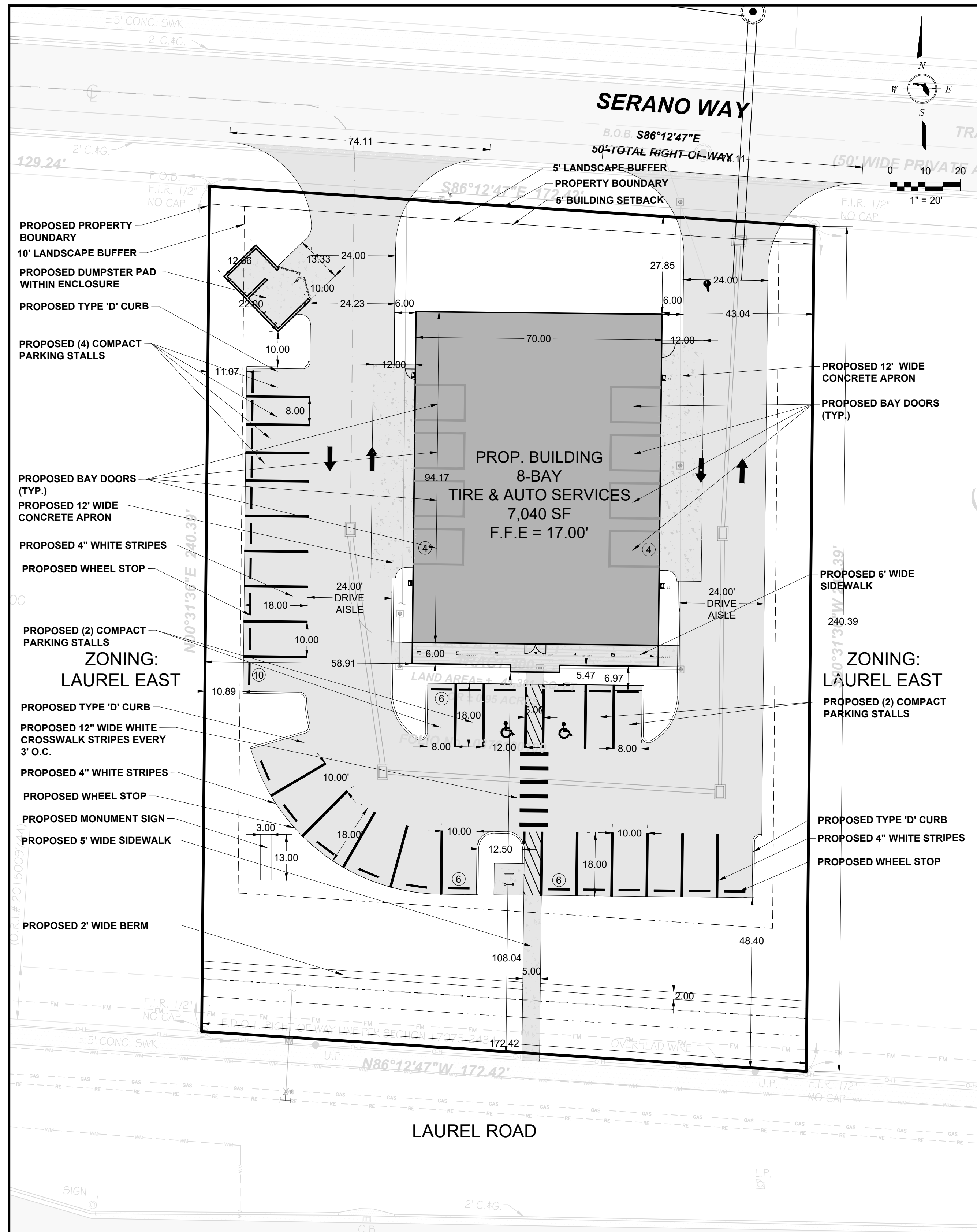
BY: AB

DATE: 12/20/22

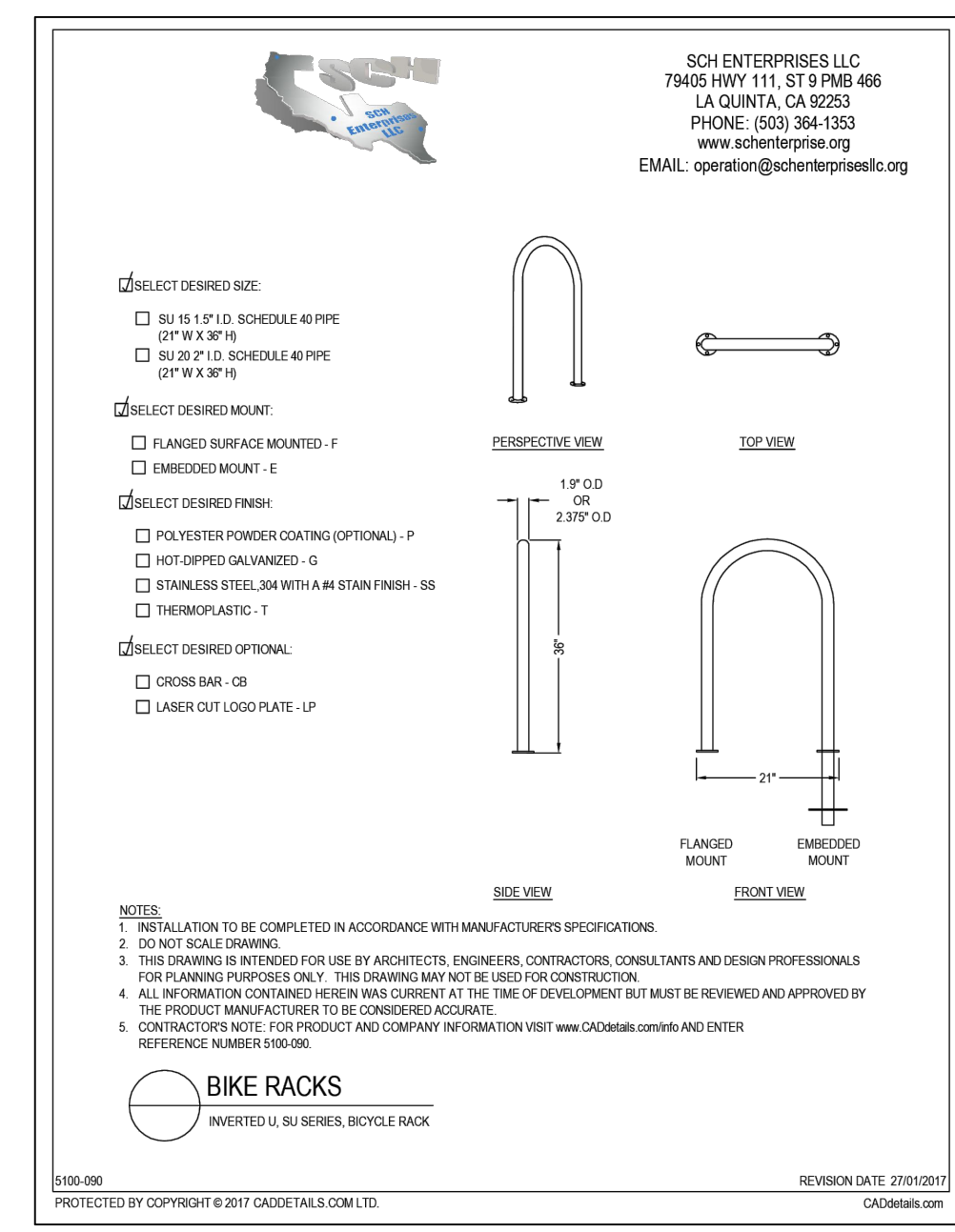
**LAUREL RICK JOHNSON**  
LAUREL ROAD  
NOKOMIS, FL 34475

**AERIAL, EXIST CONDITIONS, DEMO & EROSION CONTROL**

**SHEET 3 OF 11**



ALL LETTERS ARE 1" SERIES 'C'. TOP PORTION OF SIGN SHALL HAVE A REFLECTIVE BLUE BACKGROUND W/ WHITE REFLECTIVE LEGEND & BORDER. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTIVE WHITE BACKGROUND W/ BLACK OPAQUE LEGEND & BORDER.



**STRIPING NOTES:**

1. ALL PAVEMENT MARKING AND STRIPING WITHIN SITE SHALL BE IN ACCORDANCE WITH M.U.T.C.D.
2. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE TWO (2) COATS OF TRAFFIC REFLECTIVE PAINT (F.D.O.T. SECT. #710) UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATION.
3. ALL MARKING WITHIN A PUBLIC R/W SHALL BE IN THERMOPLASTIC. (F.D.O.T. SEC#711)
4. ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BY HYDROBLASTING.

**POLE INSTALLATION NOTES:**

1. SIGN POST SHALL BE A MINIMUM OF 14 GAUGE STEEL, 2" SQUARE WITH A GALVANIZED COATING. (SEE DETAIL ON SHEET 8)
2. THE SIGN POST OR SLEEVE SHALL BE INSTALLED A MINIMUM OF 30" BELOW THE FINISHED GRADE. (SEE DETAIL ON SHEET 8)
3. ALL SIGN PANELS INSTALLED TO BE OF GRADE 5052 H38 ALUMINUM MATERIAL WITH A THICKNESS OF .080 INCHES (2.0 MM) OR GREATER.
4. ALL SIGNS SHALL HAVE THE SHAPE AND SIZE AS SPECIFIED IN THE LATEST VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
5. WHERE PARKING OR PEDESTRIAN MOVEMENTS OCCUR, THE CLEARANCE TO THE BOTTOM OF THE SIGN SHALL BE AT LEAST 2.1 M (7 FT) HIGH.
6. THE BOTTOM OF A SIGN SHALL BE A MAXIMUM OF 8 FEET HIGH MEASURED FROM THE BOTTOM OF THE SIGN TO THE NEAR EDGE OF THE PAVEMENT.

**CALL 48 HOURS BEFORE YOU DIG**

**IT'S THE LAW! DIAL 811** Know what's below. Call before you dig.

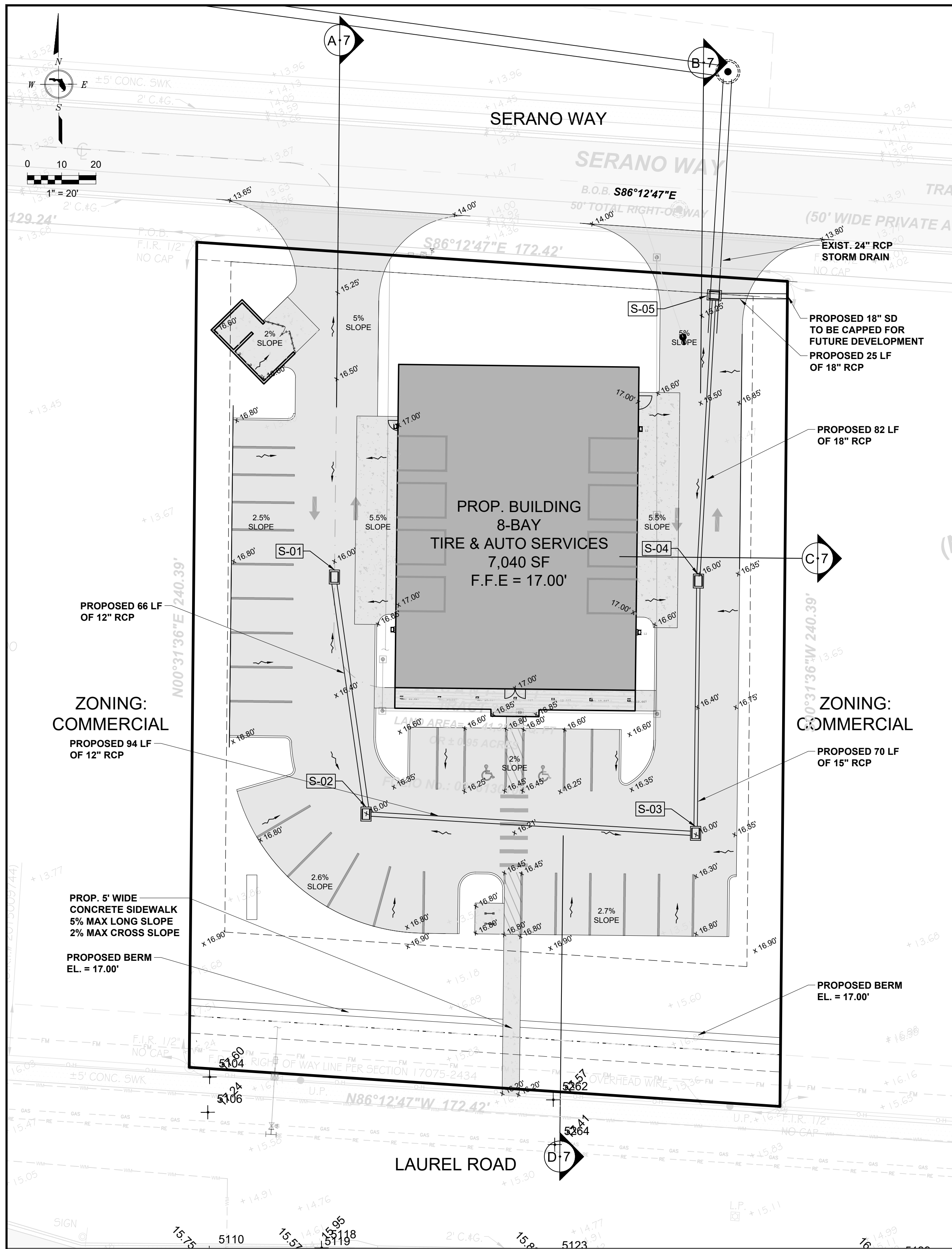
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

**NOTES:**

ALL EXISTING (SURVEY) & ALL PROPOSED GRADE ELEVATIONS & CONTOURS SHOWN REFER TO N.A.V.D. '88.

THESE PLANS MAY HAVE BEEN REDUCED OR INCREASED IN SIZE BY REPRODUCTIONS. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.


PROJECT:	21-160						
DATE:	06/22						
OWNER:	LAUREL RICK JOHNSON LAUREL ROAD NOKOMIS, FL 34275						
DESIGNER:	BORALE ENGINEERING WWW.BORALEENGINEERING.COM (P) 239-492-6509						
REVISIONS:	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>12/20/22</td> <td>REVISED PER 2ND ROUND CITY COMMENTS</td> </tr> </table>	NO.	DATE	DESCRIPTION	1	12/20/22	REVISED PER 2ND ROUND CITY COMMENTS
NO.	DATE	DESCRIPTION					
1	12/20/22	REVISED PER 2ND ROUND CITY COMMENTS					
<b>SITE DIMENSION &amp; STRIPING PLAN</b>							
<b>SHEET 4 OF 11</b>							



**STRUCTURE TABLE:**

<p>S-01 PROP. TYPE 'C' INLET G.E. = 16.00' I.E. (SE) = 12.00' (12" RCP) SUMP = 11.00'</p> <p>S-02 PROP. TYPE 'C' INLET G.E. = 16.00' I.E. (NW) = 12.00' (12" RCP) I.E. (E) = 12.00' (12" RCP) SUMP = 10.50'</p> <p>S-03 PROP. TYPE 'C' INLET G.E. = 16.00' I.E. (N) = 11.75' (15" RCP) I.E. (W) = 12.00' (12" RCP) SUMP = 10.75'</p> <p>S-04 PROP. TYPE 'C' INLET G.E. = 16.00' I.E. (N) = 11.50' (18" RCP) I.E. (S) = 11.75' (15" RCP) SUMP = 10.50'</p>	<p>S-05 PROP. TYPE 'D' INLET RIM. = 15.30' I.E. (N) = 8.00' (24" RCP) I.E. (S) = 10.80' (18" RCP) I.E. (E) = 10.80' (18" SD) SUMP = 7.50'</p>
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**CALL 48 HOURS BEFORE YOU DIG**



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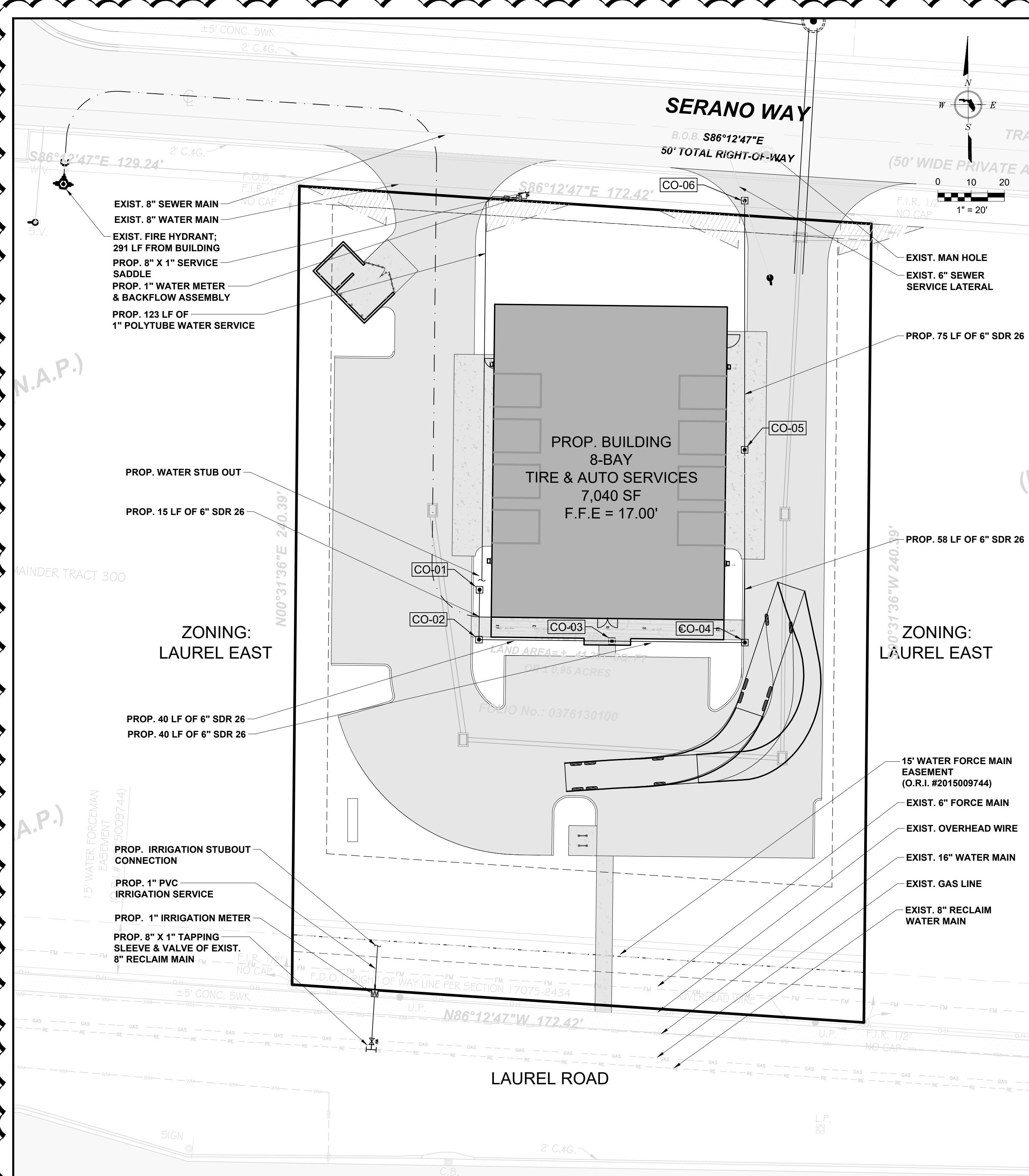
SUNSHINE STATE ONE CALL OF FLORIDA, INC.

**NOTES:**

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PROJECT: 21-160 DATE: 06/22	ANDRES BORRAL, P.E. MEA LICENSE # 8073, F.P.E. # 3152 23150 FASHION DR., SUITE 200, ESTERO FL 33928 ANDRES@BORALENGINEERING.COM (P) 239-892-6509	<b>BORRAL</b>	OWNER: P.A. JOHNSON, INC. LAUREL ROAD NOKOMIS, FL 34116	REVISION DESCRIPTION
<p><b>LAUREL RICK JOHNSON</b> LAUREL ROAD NOKOMIS, FL 34275</p>				
<p><b>GRADING, PAVING &amp; DRAINAGE PLAN</b></p>				
<p><b>SHEET 5 OF 11</b></p>				



**SANITARY SEWER STRUCTURE TABLE**

CO-1 PROP. 6" CLEAN-OUT R.E. = 16.90' NAVD I.E. = 14.40' (6" PVC, SDR 26)	CO-05 PROP. 6" CLEAN OUT R.E. = 16.10' NAVD I.E. = 13.03' (6" PVC, SDR 26)
CO-2 PROP. 6" CLEAN-OUT R.E. = 16.75' NAVD I.E. = 14.25' (6" PVC, SDR 26)	CO-06 PROP. 6" CLEAN OUT R.E. = 15.40' I.E. = 12.28' (6" PVC, SD 26)
CO-3 PROP. 6" CLEAN-OUT R.E. = 16.75' NAVD I.E. = 13.80' (6" PVC, SDR 26)	
CO-4 PROP. 6" CLEAN-OUT R.E. = 16.40' NAVD I.E. = 13.40' (6" PVC, SDR 26)	

**ESTIMATE OF AVERAGE DAILY FLOW DEMAND FOR POTABLE WATER / SANITARY SEWER**

PER WATER BILLS FROM 6 SIMILAR RICK JOHNSON AUTO & TIRE RETAIL LOCATIONS:

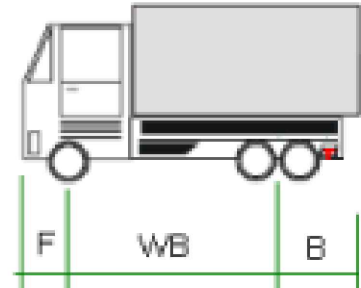
AVERAGE ESTIMATE DAILY FLOW: 167 GPD

**OIL / GREASE REMOVAL**

WASTE OIL WILL BE DISPOSED OF BY USING A WASTE OIL PICK-UP SERVICE, INSTEAD OF DISPOSING VIA SEWER. THEREFORE, THE NEED FOR A GREASE TRAP / INTERCEPTOR IS NOT NECESSARY.

**SWEPT PATH - TRUCK TURN ANALYSIS**

LENGTH	SAN CARLOS PLATFORM 100'
F	140.6 IN
WB	270 IN
B	152.50 IN



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**811**

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SUNSHINE STATE ONE CALL OF FLORIDA, INC.

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PROJECT: 21-160  
DATE: 06/22

ANDRES BORRAL, P.E. MEA  
LICENSE # 8073, F.P.E. # 3152  
23150 FASHION DR., SUITE 200, ESTERO FL 33928  
ANDRES@BORALENGINEERING.COM  
(P) 239-492-6509

**BORRAL**  
ENGINEERING  
WWW.BORALENGINEERING.COM

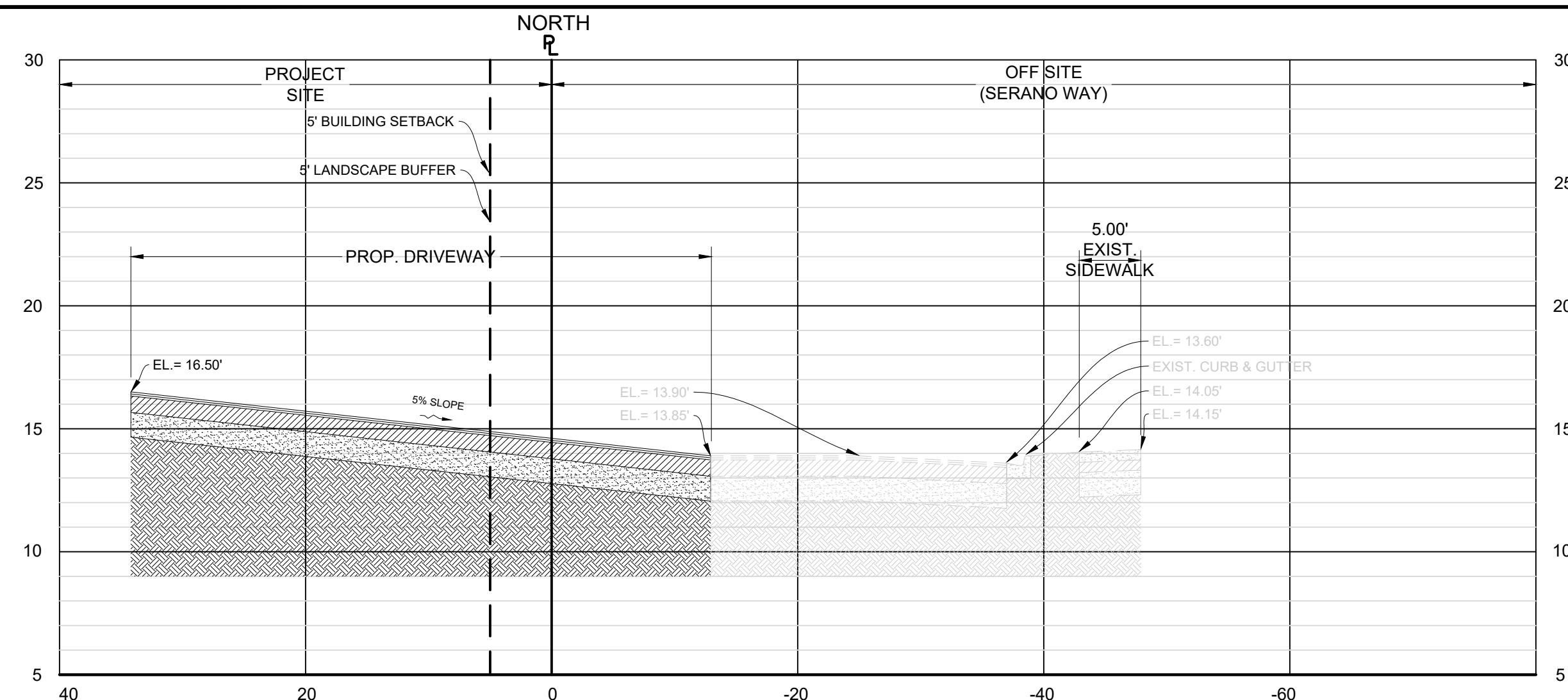
OWNER:  
R.A. JOHNSON, INC.  
LAUREL ROAD  
NOKOMIS, FL 34418

REVISION DESCRIPTION  
BY DATE  
REVISED PER 3RD ROUND CITY COMMENTS  
JAS 01/2023

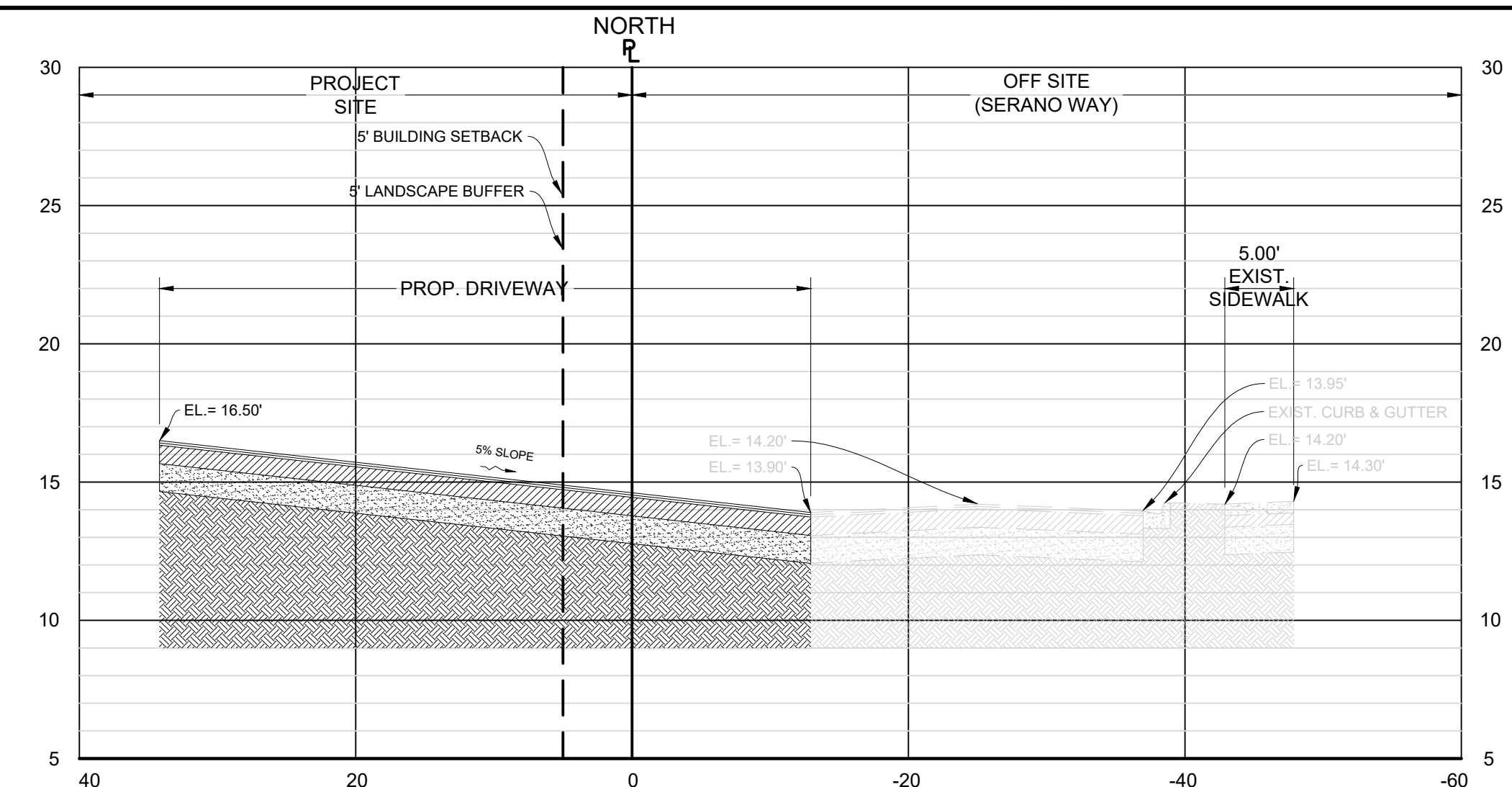
**LAUREL RICK JOHNSON**  
LAUREL ROAD  
NOKOMIS, FL 34275

**UTILITY PLAN**

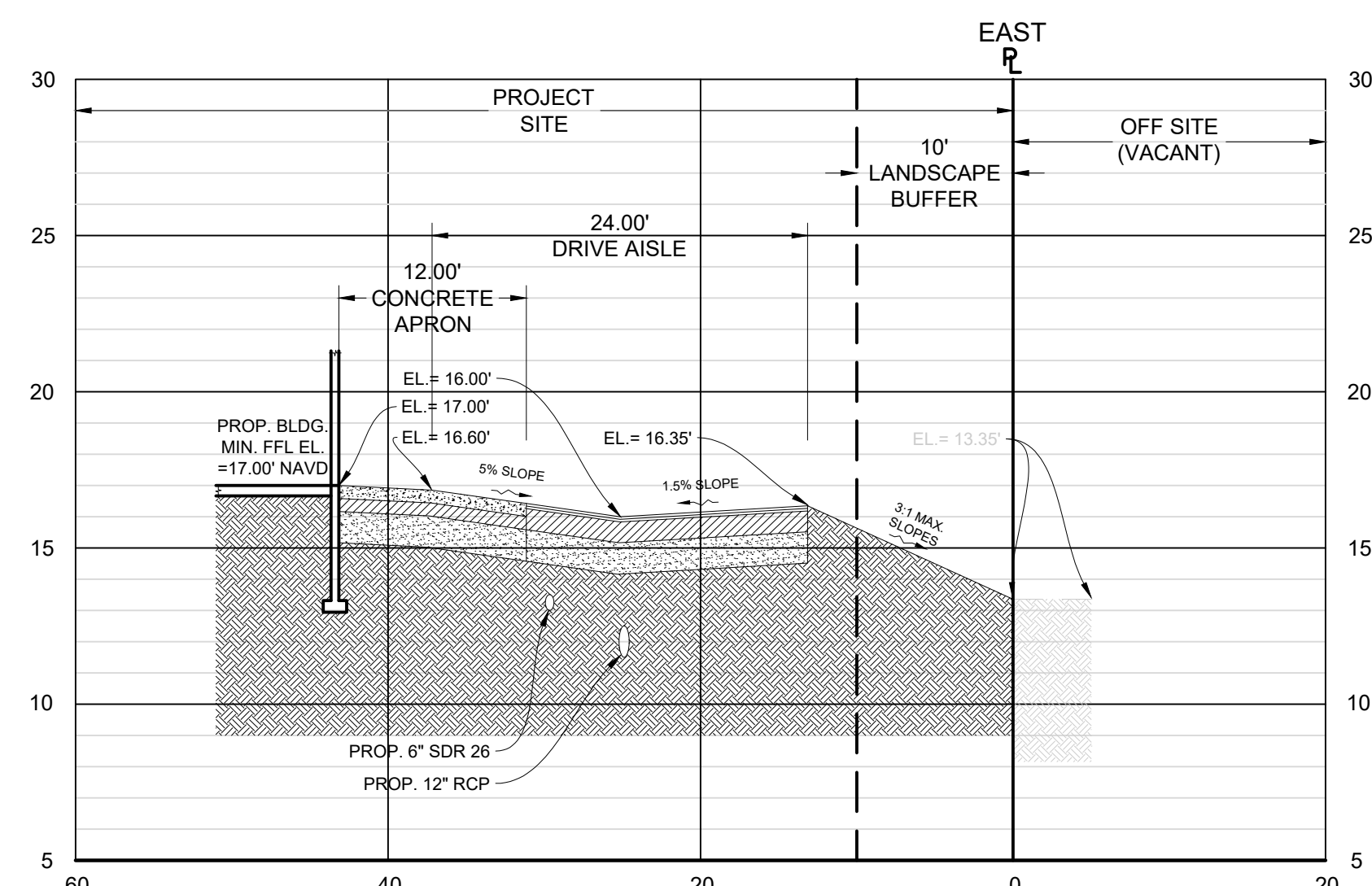
**SHEET 6 OF 11**



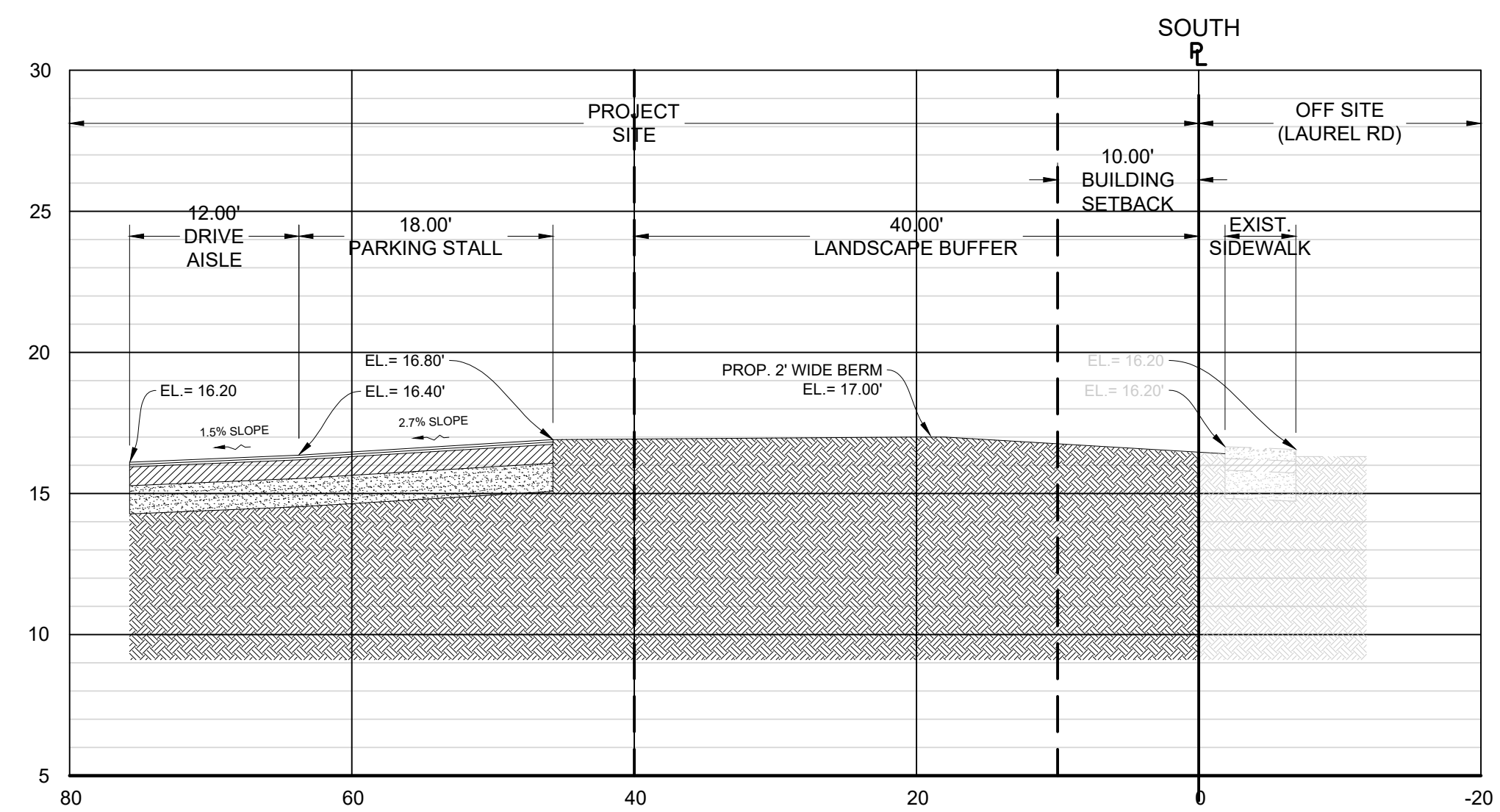
**SECTION "A"**  
 SCALES: 1" = 10' (HORIZ.)  
 1" = 5' (VERT.)



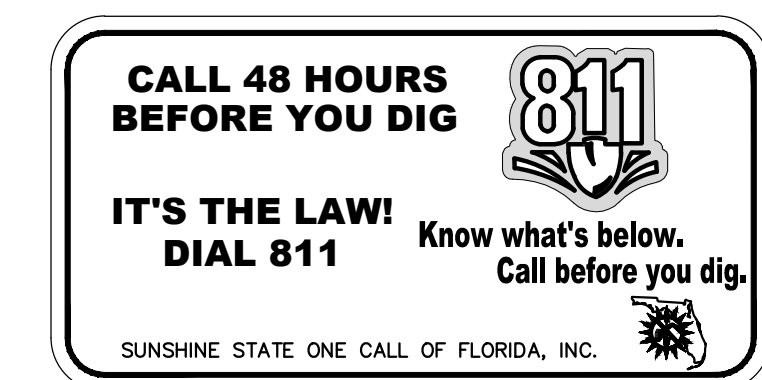
**SECTION "B"**  
 SCALES: 1" = 10' (HORIZ.)  
 1" = 5' (VERT.)



**SECTION "C"**  
 SCALES: 1" = 10' (HORIZ.)  
 1" = 5' (VERT.)

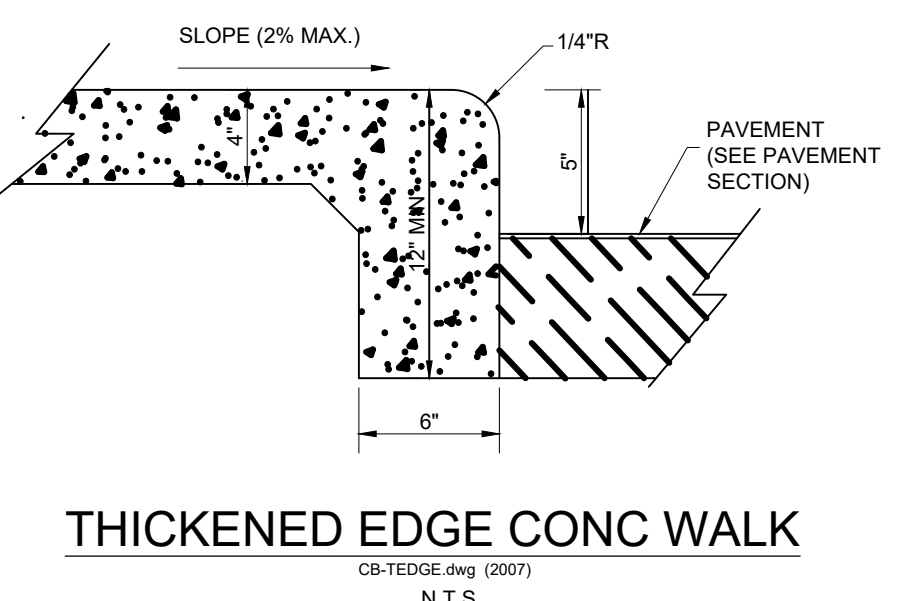
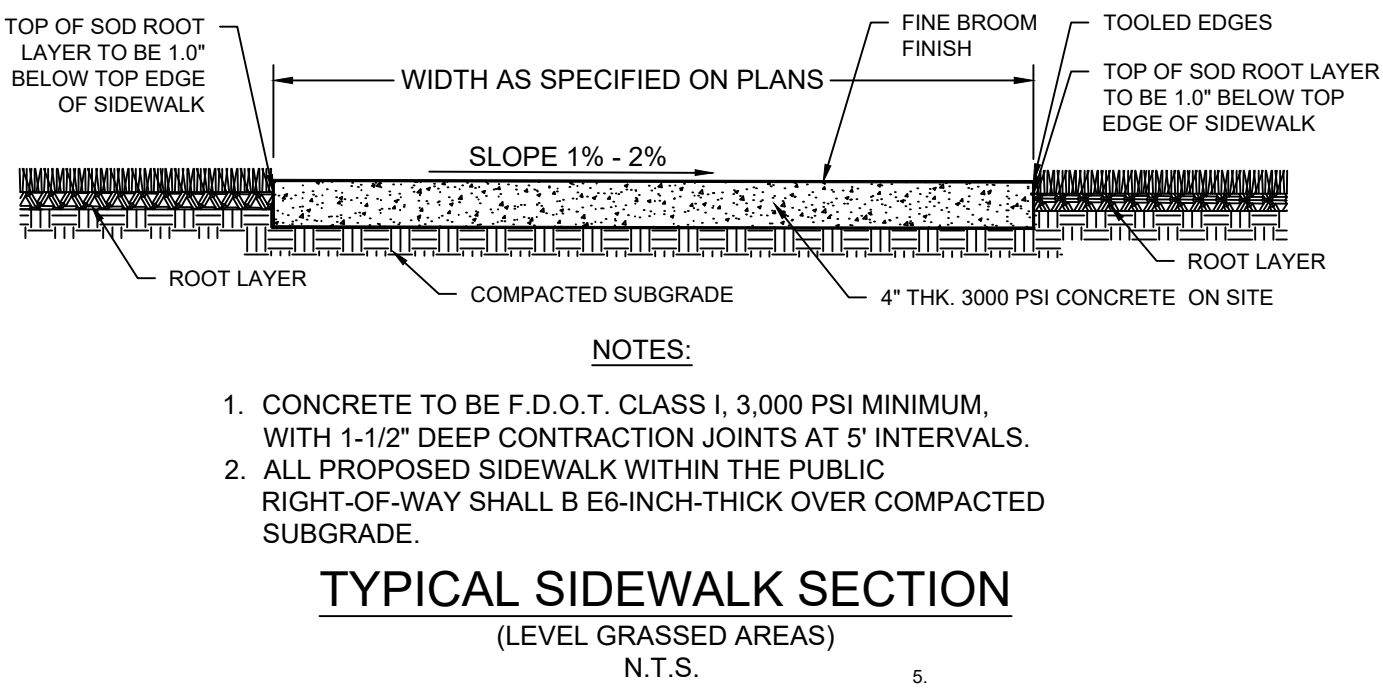
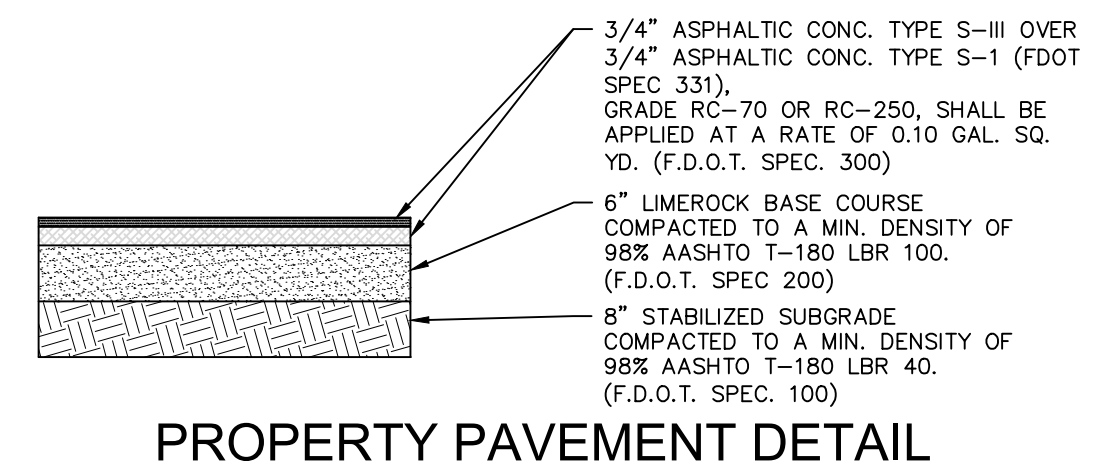
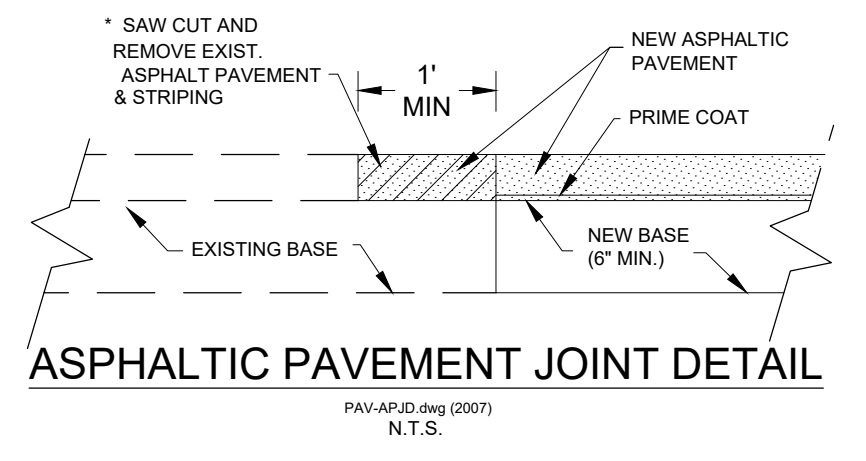
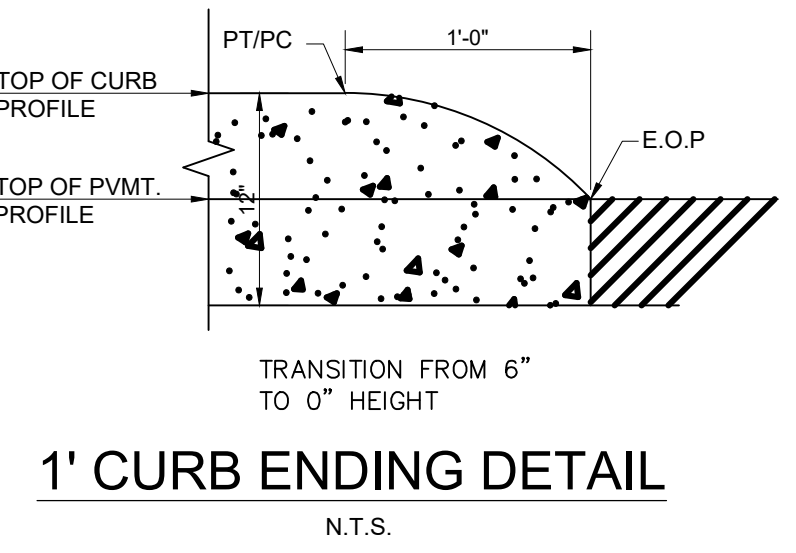
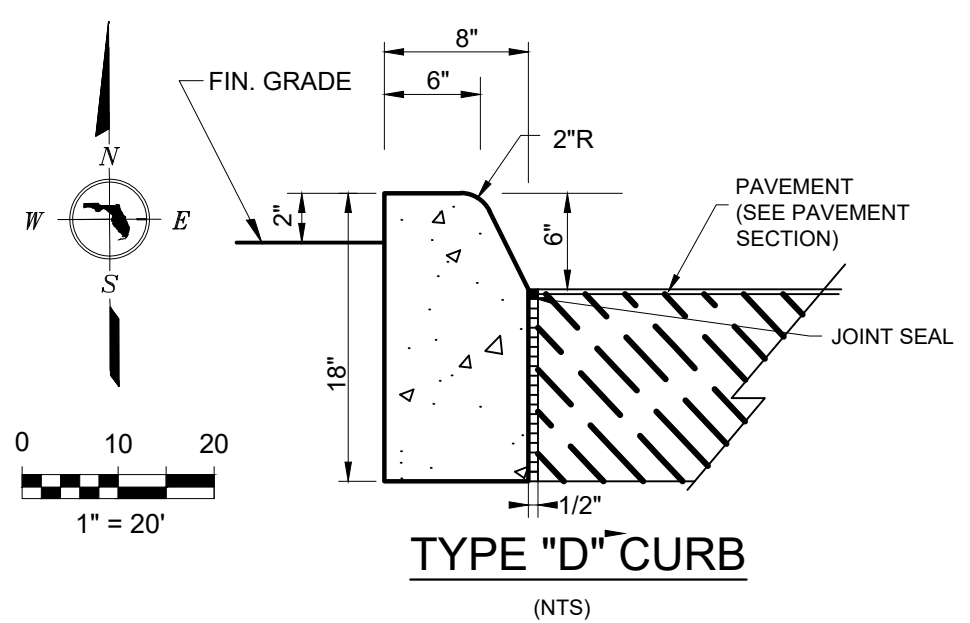


**SECTION "D"**  
 SCALES: 1" = 10' (HORIZ.)  
 1" = 5' (VERT.)



**NOTES:**  
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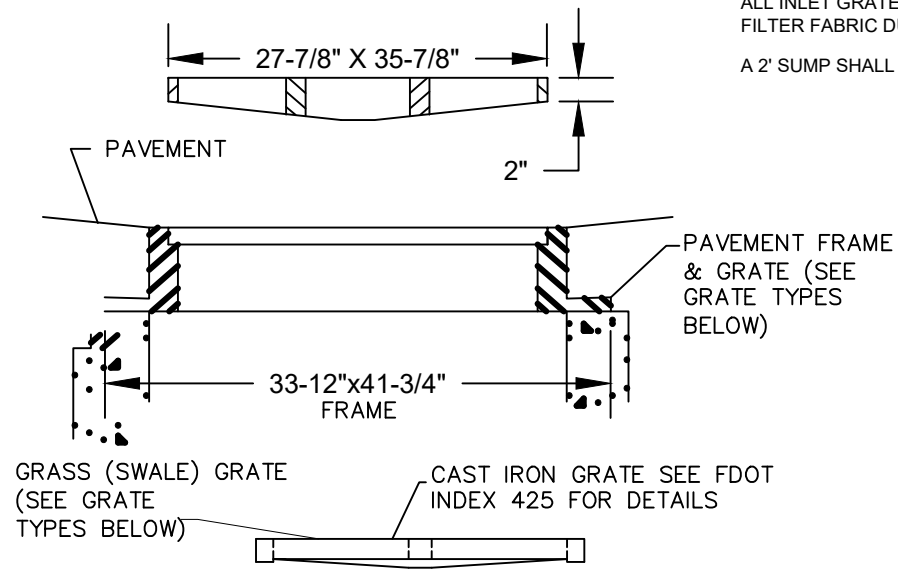
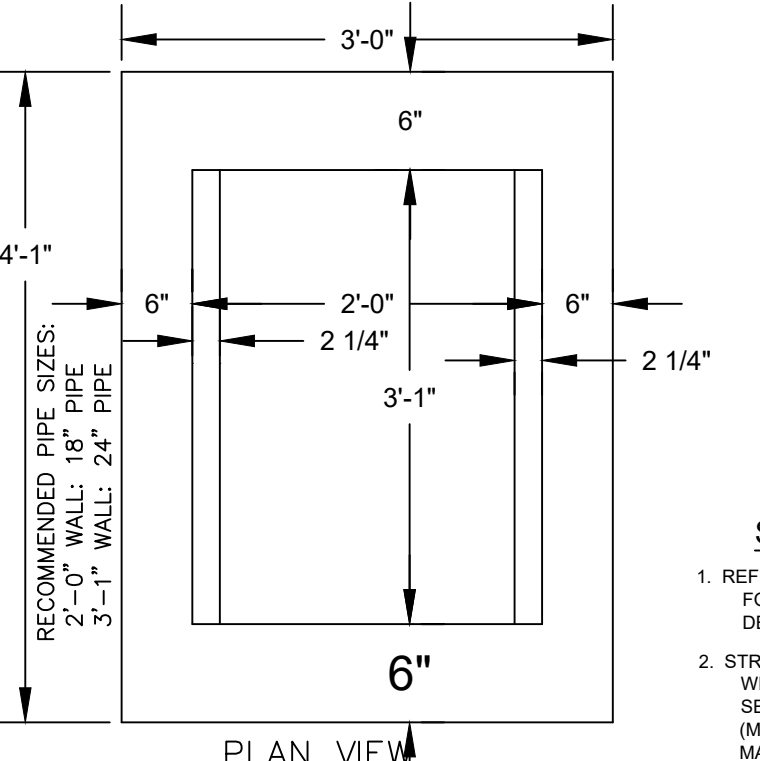
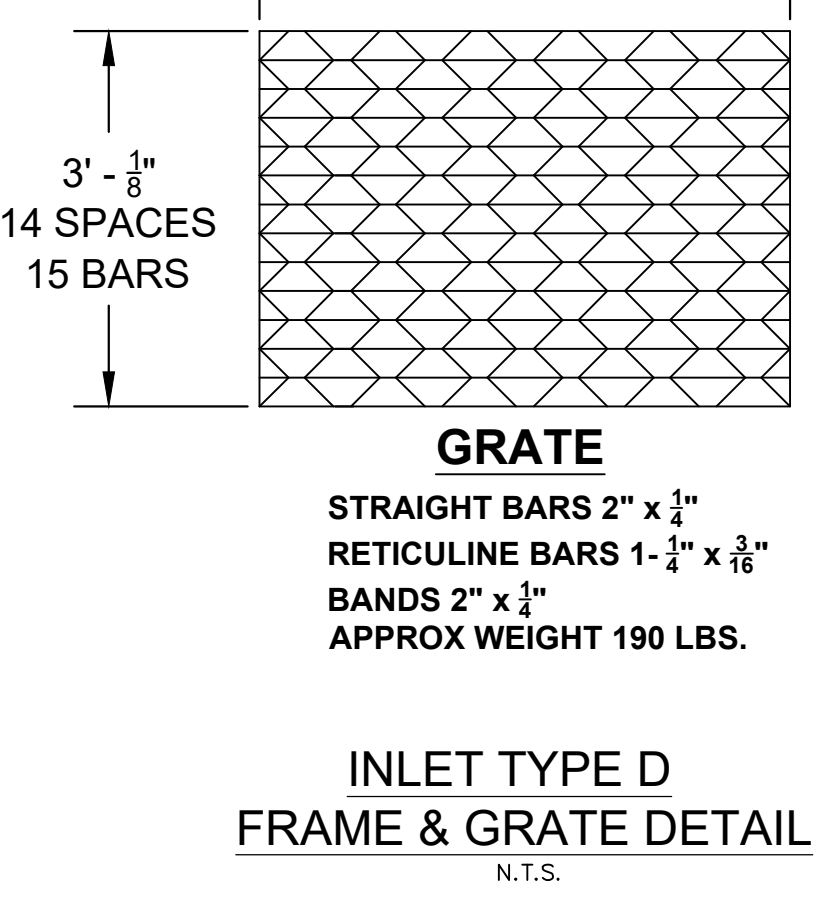
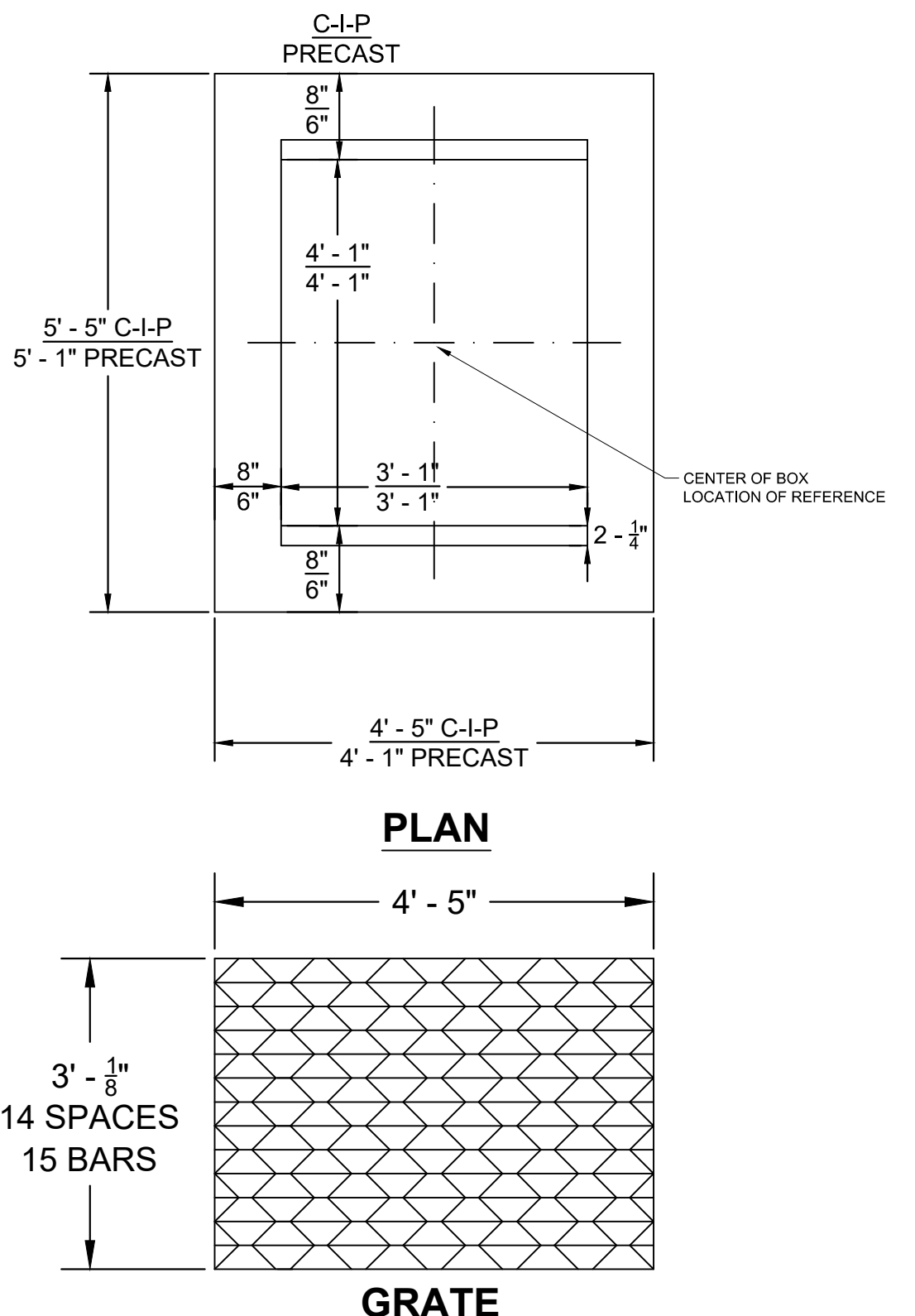
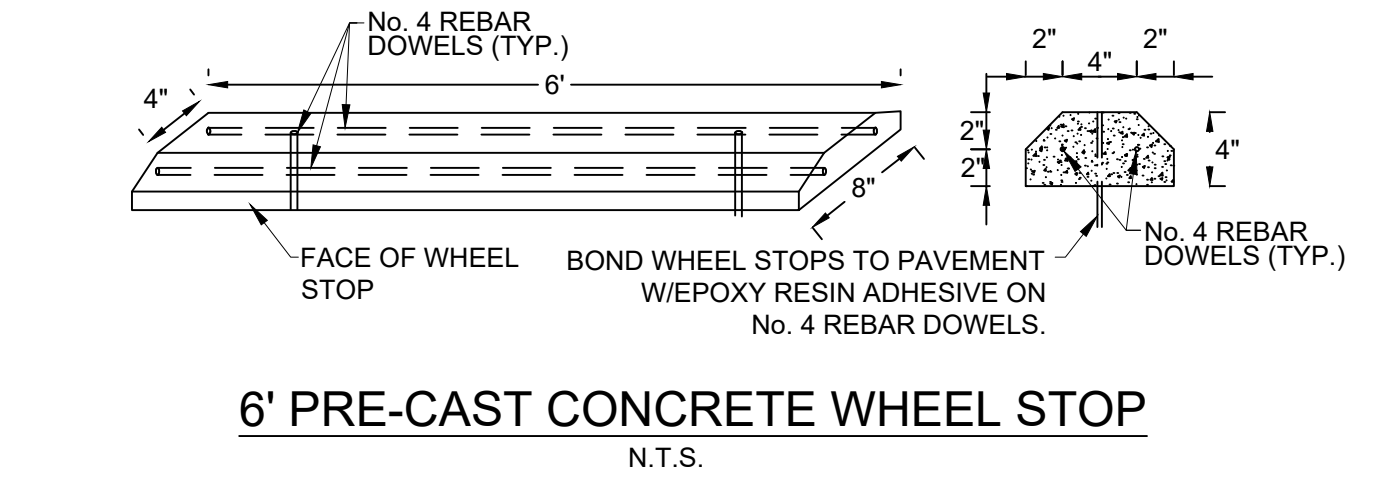
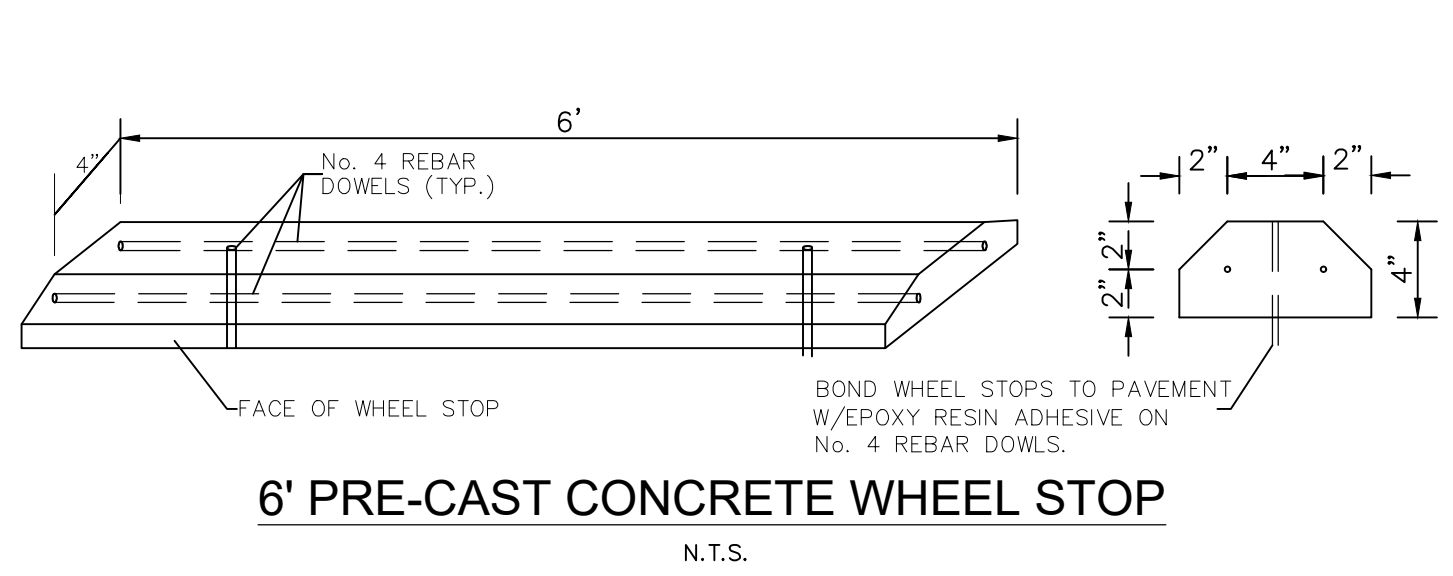
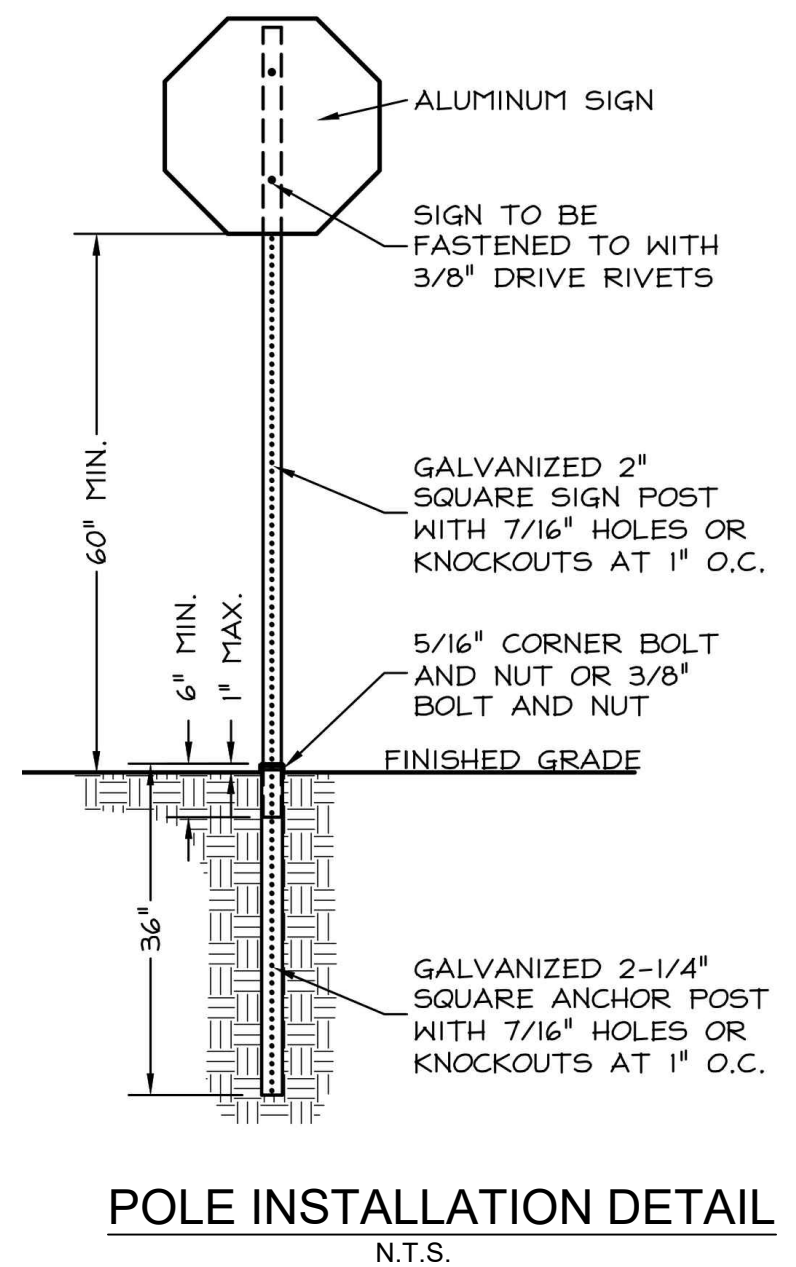
PROJECT:	21-160
DATE:	06/22
ANDRES BORAL, PE, MEA LICENSE # 8073, FBPE # 31552 23150 FASHION DR, SUITE 200, ESTERO FL 33928 ANDRES@BORALENGINEERING.COM (P) 239-692-6509	
<b>BORAL</b> ENGINEERING WWW.BORALENGINEERING.COM	
OWNER: R.A. JOHNSON, INC. 23150 FASHION DR, SUITE 200 ESTERO, FL 33928	
REVISION DESCRIPTION	
BY	
DATE	
12/2022	AB
REVISION DESCRIPTION	REVISED PER 2ND ROUND CITY COMMENTS
LAUREL RICK JOHNSON LAUREL ROAD NOKOMIS, FL 34275	
<b>CROSS SECTIONS</b>	
<b>SHEET</b> 7 OF 11	



STREET CLASSIFICATION	(1) ASPHALT SURFACE	(2) BASE	(3) SUB-GRADE
PRIVATE ACCESSORY & CITY PARKING	2" TYPE SP-8.5 (INFLATION RESIST. F. P. 11)	4" 8" 8" CTR CCA	12" MIN. 45 LBR
RESIDENTIAL STREET	2" TYPE SP-8.5 (INFLATION RESIST. F. P. 11)	6" 12" 12" CTR CCA	12" MIN. 45 LBR
INDUSTRIAL STREET (PUBLIC/PRIVATE)	2" TYPE SP-12.5 & 1" TYPE FC-6.5	6" 12" 12" CTR CCA	12" MIN. 45 LBR
COLLECTOR/ARTERIAL STREET	2" TYPE SP-12.5 & 1" TYPE FC-6.5	6" 12" 12" CTR CCA	12" MIN. 45 LBR

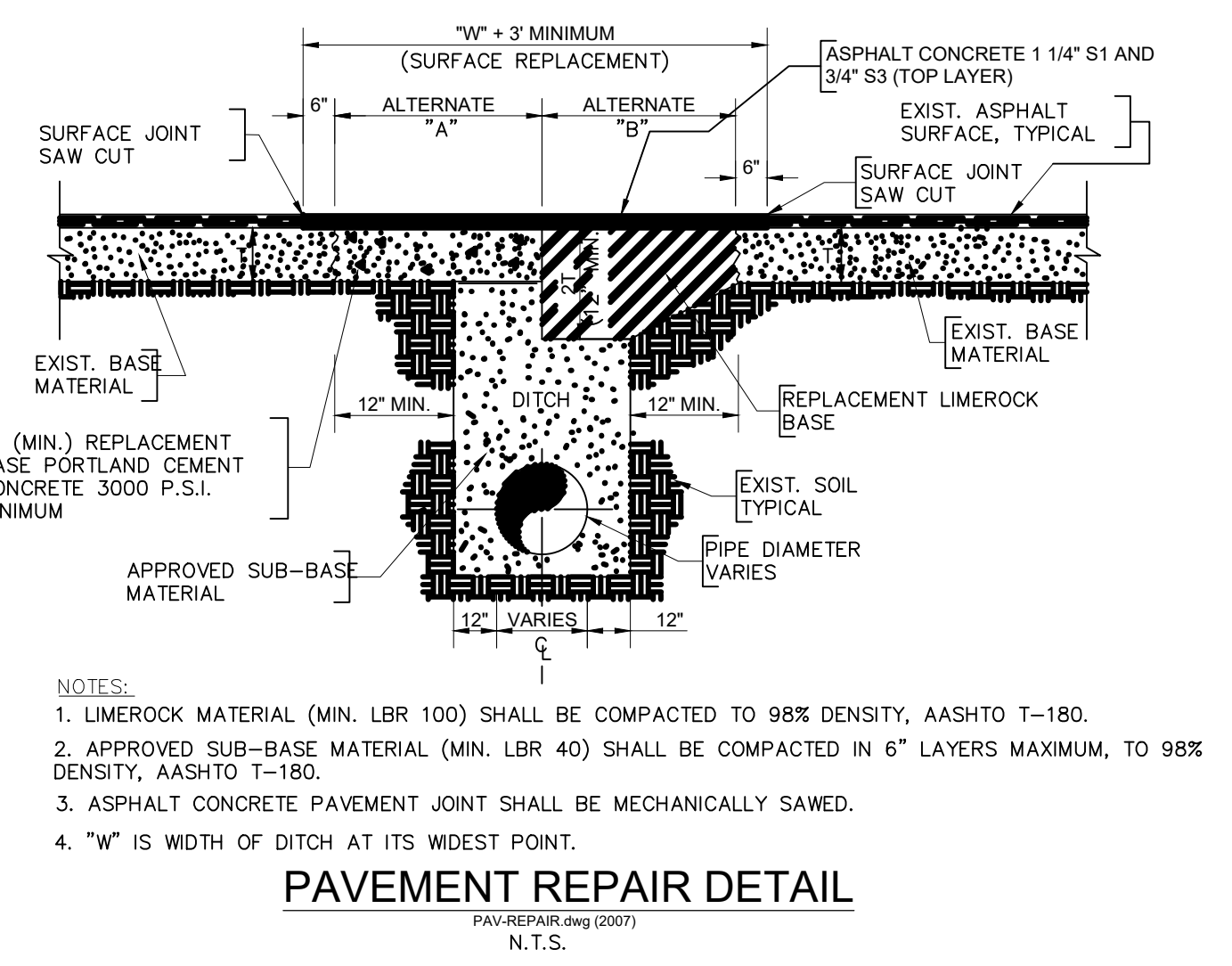
**TYPICAL ROADWAY SECTION** (N.T.S.)

**CITY OF VENICE ENGINEERING DEPARTMENT**  
 401 WEST VENICE AVENUE  
 VENICE, FL 33596  
 (813) 485-3259  
 FAX (813) 485-3031

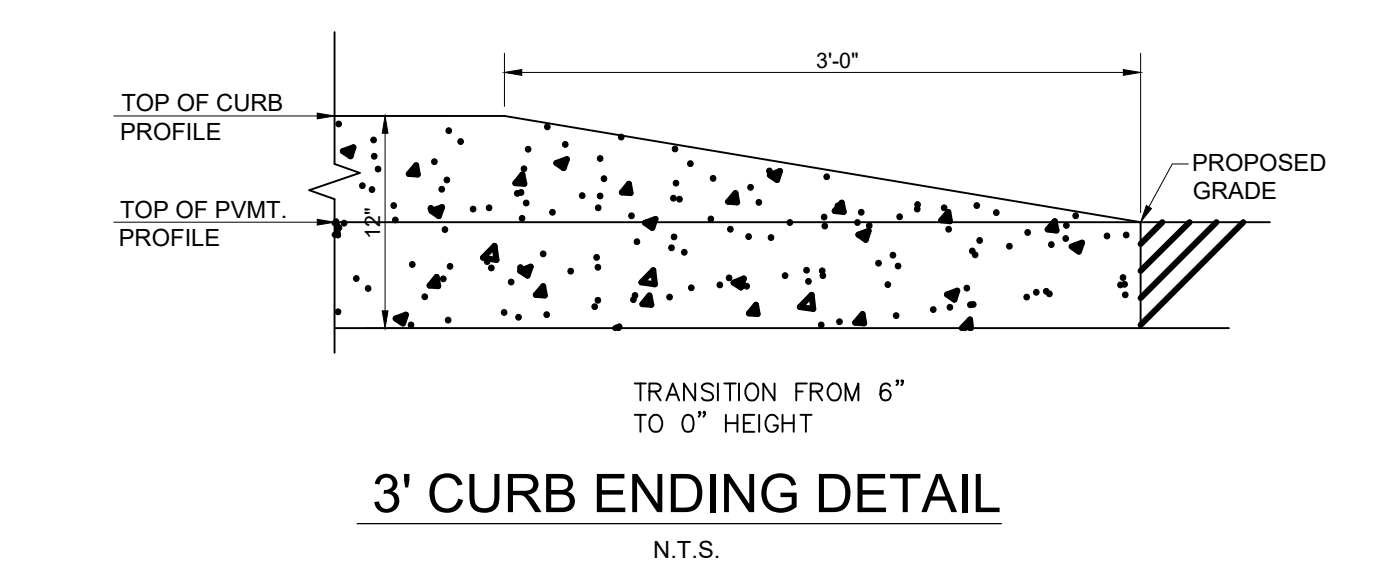


- STANDARD INLET NOTES:**
- REFER TO FDOT STANDARD INDEX NO. 425 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.
  - STRUCTURES MAY BE CAST IN PLACE OR PRECAST WITH CLASS I (MIN 3000 PSI) CONCRETE PER FDOT SECTION 425. CONCRETE AS SPECIFIED BY ASTM C-478 (MIN 3000 PSI) MAY BE USED IN PRECAST ITEMS MANUFACTURED IN PLANTS AS SPECIFIED IN FDOT STANDARD INDEX NO. 201.
  - R.C.P. SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO F.D.O.T. SEC. 425. PLACE SOD 4" ON ALL SIDES OF INLET IN GREEN AREAS UNLESS OTHERWISE NOTED. ALL INLET GRATES SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION. A 2" SLUMP SHALL BE REQUIRED WHERE SHOWN.

**R.O.W PAVEMENT DETAIL**



- NOTES:**
- LIMEROCK MATERIAL (MIN. LBR 100) SHALL BE COMPACTED TO 98% DENSITY, AASHTO T-180.
  - APPROVED SUB-BASE MATERIAL (MIN. LBR 40) SHALL BE COMPACTED IN 6" LAYERS MAXIMUM, TO 98% DENSITY, AASHTO T-180.
  - ASPHALT CONCRETE PAVEMENT JOINT SHALL BE MECHANICALLY SAWED.
  - "W" IS WIDTH OF DITCH AT ITS WIDEST POINT.



**TAPPING SLEEVE & VALVE DETAIL**  
 N.T.S.

<b>CITY OF VENICE</b> ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2038 FAX (941) 480-3031	<b>UTILITIES - GENERAL</b> <b>TAPPING SLEEVE &amp; VALVE</b>	DATE JAN 2022 SHEET NO. <b>U-3</b>
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**VALVE BOX DETAIL**  
 N.T.S.

<b>CITY OF VENICE</b> ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2038 FAX (941) 480-3031	<b>UTILITIES - GENERAL</b> <b>VALVE BOX</b>	DATE JAN 2022 SHEET NO. <b>U-4</b>
--	--	---

**UTILITY CONFLICTS & SEPARATION DETAIL**  
 N.T.S.

MINIMUM HORIZONTAL SEPARATION DISTANCES (FT)		MINIMUM VERTICAL SEPARATION DISTANCES (IN)	
(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)		(OUTSIDE OF PIPELINE TO OUTSIDE OF PIPELINE)	
WATER MAIN	3	WATER MAIN	5
FORCE MAIN	6	FORCE MAIN	12
SANITARY SEWER	3	SANITARY SEWER	6
REUSE MAIN	3	REUSE MAIN	6
STORM WATER	3	STORM WATER	6
OTHER UTILITIES (TELEPHONE, CABLE, ETC.)	3	OTHER UTILITIES (TELEPHONE, CABLE, ETC.)	6

**UTILITY CONFLICTS & SEPARATION DETAIL**  
 N.T.S.

<b>CITY OF VENICE</b> ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2038 FAX (941) 480-3031	<b>UTILITIES - GENERAL</b> <b>UTILITY CONFLICTS &amp; SEPARATIONS</b>	DATE JAN 2022 SHEET NO. <b>U-5</b>
--	--	---

**GATE VALVE DETAIL**  
 (WATER AND REUSE ONLY)  
 N.T.S.

<b>CITY OF VENICE</b> ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2038 FAX (941) 480-3031	<b>UTILITIES - WATER</b> <b>GATE VALVE</b>	DATE JAN 2022 SHEET NO. <b>W-1</b>
--	---	---

**REUSE METER, WATER METER, & BACKFLOW PREVENTION ASSEMBLY**  
 ABOVE GROUND METER, 2\"/>

<b>CITY OF VENICE</b> ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2038 FAX (941) 480-3031	<b>UTILITIES - WATER</b> <b>WATER &amp; REUSE METER &amp; BACKFLOW</b>	DATE JAN 2022 SHEET NO. <b>W-4</b>
--	---	---

**SANITARY SEWER SERVICE & CLEANOUT DETAIL**  
 N.T.S.

<b>CITY OF VENICE</b> ENGINEERING DEPARTMENT 401 WEST VENICE AVE. VENICE FL 34285 (941) 480-2038 FAX (941) 480-3031	<b>UTILITIES - SEWER</b> <b>SEWER SERVICE &amp; CLEANOUT</b>	DATE JAN 2022 SHEET NO. <b>S-4</b>
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