

May 2, 2025

PROJECT NAME: O'REILLY AUTO PARTS - SUMMERFIELD (SM1)

PROJECT NUMBER: 2024080007

APPLICATION: MAJOR SITE PLAN #31857

- 1 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: 6.13.10.B - Copy of NPDES Permit or NOI
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the NPDES permit or NOI prior to construction.
- 2 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Copy of District Permit (County Interest)
STATUS OF REVIEW: INFO
REMARKS: Please provide a copy of the District permit prior to construction.
- 3 DEPARTMENT: ENGDRN - STORMWATER REVIEW
REVIEW ITEM: Additional Stormwater comments
STATUS OF REVIEW: INFO
REMARKS: (1) Proposed grading and drainage modifications that impact the FDOT ROW drainage systems need to be coordinated directly with FDOT. (2) If you have questions or would like to discuss the stormwater review comments, please contact Kevin Vickers, PE at 352-671-8695 or kevin.vickers@marionfl.org.
- 4 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: 2.12.4.K - List of approved waivers, their conditions, and the date of approval
STATUS OF REVIEW: INFO
REMARKS: 8/8/24-add waivers if requested in future
- 5 DEPARTMENT: ENGIN - DEVELOPMENT REVIEW
REVIEW ITEM: Additional Development Review Comments
STATUS OF REVIEW: INFO
REMARKS: 8/8/24-After approval, plans will be electronically stamped by the County. The applicant will receive an email indicating that approved plans are available for download and are located in the ePlans project Approved folder. For Development Review submittals, with the exception of Final Plats and Minor Site Plans, applicants are required to print, obtain required signatures, and sign and seal two 24"x 36" sets of the electronically stamped approved plan and deliver them to the Office of County Engineer, Development Review Section, located at 412 SE 25th Avenue Ocala, FL 34471. Upon receipt, a development order will be issued. Until such time as that development order is issued, the project does not have final approval and construction, if applicable, shall not commence. For plans requiring As-Builts, As-Builts and associated documentation shall be submitted on paper in accordance with current county requirements.
- 6 DEPARTMENT: DOH - ENVIRONMENTAL HEALTH
REVIEW ITEM: Additional Health comments
STATUS OF REVIEW: INFO
REMARKS: Central Water/Central Sewer
- 7 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION
REVIEW ITEM: 6.7.9 - Replacement trees; general requirements
STATUS OF REVIEW: INFO
REMARKS: Required mitigation = 155 inches Retained trees = 154", proposed trees = 52.5 total 206.5 inches towards mitigation

8 DEPARTMENT: LSCAPE - LANDSCAPE DESIGN AND IRRIGATION

REVIEW ITEM: Additional Landscape comments

STATUS OF REVIEW: INFO

REMARKS: Site has several very large Oaks, if these are assessed to be in good health, preservation would be a priority.

9 DEPARTMENT: ENRAA - ACQ AGENT ENG ROW

REVIEW ITEM: Major Site Plan

STATUS OF REVIEW: INFO

REMARKS: IF APPLICABLE:

Sec. 2.18.2.I Show connections to other phases.

Sec. 2.19.2.H. Legal documents such as Declaration of Covenants and Restrictions, By-Laws, Articles of Incorporation, ordinances, resolutions, etc.

Required Right of Way Dedication (select as appropriate)

Sec. 6.3.1.D.(1)(b)1. For Public Streets. "[All streets and right of way shown on this plat or name specifically if less than all] are hereby dedicated for the use and benefit of the public."

Sec. 6.3.1.D.(1)(b)2. For Non-Public Streets. "[All streets and right of way shown on this plat or name specifically if less than all] are hereby dedicated privately to the [entity name]. All public authorities and their personnel providing services to the subdivision are granted an easement for access. The Board of County Commissioners of Marion County, Florida, shall have no responsibility, duty, or liability whatsoever regarding such streets. Marion County is granted an easement for emergency maintenance in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec. 6.3.1.D.(1)(b)3. For Cross Access Easements. "All parallel access easements shown on this plat are hereby dedicated for the use and benefit of the public, and maintenance of said easements is the responsibility of [entity name]."

Sec. 6.3.1.D.(1)(c)1&2 Utility Easements, select as appropriate:

1. "[All utility easements shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction, installation, maintenance, and operation of utilities by any utility provider."

2. "[All utility tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."

Sec. 6.3.1.D.(1)(d)1.2.3. Stormwater easements and facilities, select as appropriate:

1. "[All stormwater and drainage easements as shown or noted or name specifically if less than all] are dedicated [private or to the public] for the construction and maintenance of such facilities."

2. "[All stormwater management tracts or identify each tract as appropriate] as shown are dedicated [private or to the public] for the construction and maintenance of such facilities."

3. When any stormwater easement and/or management tract is not dedicated to the public or Marion County directly, the following statement shall be added to the dedicated language: "Marion County is granted the right to perform emergency maintenance on the [stormwater easement and/or management tract, complete accordingly] in the event of a local, state, or federal state of emergency wherein the declaration includes this subdivision or an emergency wherein the health, safety, or welfare of the public is deemed to be at risk."

Sec. 6.3.1.D.(1)(f). If a Conservation Easement is required the following shall be provided: "A conservation easement [as shown or on tract and identify the tract, complete accordingly] is dedicated to [the Board of County Commissioners of Marion County, Florida or entity name, if not Marion County] for the purpose of preservation of [listed species, habitat, Karst feature and/or native vegetation, complete accordingly]."



Marion County Board of County Commissioners

AR31857

Office of the County Engineer

412 SE 25th Ave.
Ocala, FL 34471
Phone: 352-671-8686
Fax: 352-671-8687

DEVELOPMENT REVIEW PLAN APPLICATION

Date: 08/06/2024

A. PROJECT INFORMATION:

Project Name: O'Reilly Auto Parts - Summerfield (SM1)
Parcel Number(s): 4716-009-008
Section 26 Township 17S Range 23E Land Use COMMERCIAL Zoning Classification B-2
Commercial Residential Industrial Institutional Mixed Use Other _____
Type of Plan: MAJOR SITE PLAN
Property Acreage 1.547 Number of Lots 1 Miles of Roads _____
Location of Property with Crossroads NE Corner of US 441 and SE 167th Place Rd
Additional information regarding this submittal: Currently in building permit review Arch PN: 23332 ORSM1
Currently in building permit review Arch PN: 23332 ORSM1

B. CONTACT INFORMATION *(Check the appropriate box indicating the point for contact for this project. Add all emails to receive correspondence during this plan review.)*

Engineer:
Firm Name: Stantec Consulting Services, Inc. Contact Name: Bryan Zarlenga
Mailing Address: 380 Park Place Blvd Suite 300 City: Clearwater State: FL Zip Code: 33759
Phone # 727-431-1547 Alternate Phone # _____
Email(s) for contact via ePlans: bryan.zarlenga@stantec.com, jasmin.lemon@stantec.com

Surveyor:
Firm Name: OWN, Inc. Contact Name: Gregory Bowers
Mailing Address: 35008 Emerald Coast Pkwy Suite 200 City: Destin State: FL Zip Code: 32541
Phone # 850-714-8100 Alternate Phone # _____
Email(s) for contact via ePlans: _____

Property Owner:
Owner: Frank Maatje, Charles Maatje Contact Name: _____
Mailing Address: 20 Beach Cove City: Brigantine State: NJ Zip Code: 08203
Phone # 856-498-1481 Alternate Phone # _____
Email address: _____

Developer:
Developer: O'Reilly Automotive Parts Store, Inc. Contact Name: Phil Hopper
Mailing Address: 233 S Patterson Ave City: Springfield State: MO Zip Code: 65804
Phone # 417-862-2674 Alternate Phone # _____
Email address: phopper@oreillyauto.com

Revised 6/2021

O'Reilly AUTO PARTS

PID#4716-009-008

New O'Reilly Auto Parts Store S US HWY 441 SUMMERFIELD, FL MAJOR SITE PLAN

RECORD LEGAL DESCRIPTION

(AS RECORDED IN O.R. BOOK 6487, PAGE 1368)

LOTS 8, 9, AND 10, BLOCK 9, ORANGE BLOSSOM HILLS, UNIT 16, AS PER PLAT THEREOF RECORDED IN PLAT BOOK K, PAGES 3 AND 51, PUBLIC RECORDS OF MARION COUNTY, FLORIDA.

SURVEY LEGAL DESCRIPTION

(AS WRITTEN BY OWN, INC.)

ALL OF LOTS 8, 9, AND 10, BLOCK 9, IN ORANGE BLOSSOM HILLS, UNIT 16, AS SHOWN IN PLAT BOOK K, PAGES 3 AND 51 IN THE PUBLIC RECORDS OF MARION COUNTY, FLORIDA, BEING PART OF FRACTIONAL SECTION 26, TOWNSHIP 17 SOUTH, RANGE 23 EAST, MARION COUNTY, FLORIDA, MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT A FOUND CONCRETE MONUMENT (RLS 1571) AT THE NORTHWEST CORNER OF LOT 10, BLOCK 9 OF SAID ORANGE BLOSSOM HILLS, UNIT 16, THENCE NORTH 48°13'40" EAST ALONG THE NORTHERLY LINE THEREOF, 225.00 FEET TO A FOUND CONCRETE MONUMENT (RLS 1571) AT THE NORTHEAST CORNER OF SAID LOT 10, THENCE SOUTH 41°46'20" EAST ALONG THE EASTERLY LINES OF SAID LOTS 8, 9, AND 10, BLOCK 9, 300.00 FEET TO A FOUND CONCRETE MONUMENT (RLS 1571) AT THE SOUTHEAST CORNER OF SAID LOT 8, THENCE SOUTH 48°13'40" WEST ALONG THE SOUTHERLY LINE OF SAID LOT 8, 200.00 FEET, THENCE 90°27' FEET ALONG THE SOUTH AND WEST LINE OF SAID LOT 8 ON A CURVE TO THE LEFT, HAVING A RADIUS OF 25.00 FEET, A DELTA ANGLE OF 90°00'00" AND A CHORD BEARING NORTH 86°46'20" WEST, 35.36 FEET; THENCE NORTH 41°46'20" WEST ALONG THE WEST LINES OF SAID LOTS 8, 9, AND 10 IN BLOCK 9, 275.00 FEET TO THE POINT OF BEGINNING. CONTAINS 1.547 ACRES, MORE OR LESS, SUBJECT TO EXISTING EASEMENTS, RESTRICTIONS OR RESERVATIONS OF RECORD OR FACT.

FLOOD ZONE

BY GRAPHIC PLOTTING ONLY, THIS PROPERTY IS IN ZONE X OF THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NO. 12083C0090SD, WHICH BEARS AN EFFECTIVE DATE OF AUGUST 28, 2008 AND IT IS NOT A SPECIAL FLOOD HAZARD AREA. NO FIELD SURVEYING WAS PERFORMED TO DETERMINE THIS ZONE.

BENCHMARK INFORMATION

BM #800
SET IRON ROD, LICENSED BUSINESS# 8259
12.5' NORTHEAST (8.3' EAST, 9.3' NORTH)
OF THE NORTH CORNER OF A CONCRETE MITERED END SECTION
LYING NE OF S US441 ROAD L AND NW OF SE 167TH PLACE RD L.

BM #850
SET IRON ROD, LICENSED BUSINESS#8259
48.6' WEST OF A POWER POLE LYING NW OF THE SUBJECT
PROPERTY WEST BOUNDARY CORNER

UTILITY CONTACTS

PUBLIC WATER SERVICE
(MARION COUNTY UTILITIES)
CONTACT: MCI CUSTOMER
SERVICE: 2477385
PHONE: (352-307-6000)

PUBLIC WASTEWATER SERVICE
(MARION COUNTY UTILITIES)
CONTACT: MCI CUSTOMER
SERVICE: 2477385
PHONE: (352-307-6000)

ELECTRIC UTILITY
DUKE ENERGY-OCALA
CONTACT: USIC DISPATCH
PHONE: (800) 778-9140

CABLE TELEVISION
COMCAST COMMUNICATION
CONTACT: USIC DISPATCH
PHONE: (800) 778-9140

ALTERNATE PROVIDER:
Z10 MIDWEST
CONTACT: RHONDA WINN
PHONE: (402) 204-2103

FIBER TELEPHONE
CENTURYLINE
CONTACT: CABLE
PROTECTION CENTER
PHONE: (877) 786-6344 X3

FIBER OPTIC UTILITY
UNITI FIBER LLC
CONTACT: SOUTHERN LIGHT
EMERGENCY RESPONSE
DISPATCH
PHONE: (877) 652-2321

ELECTRIC UTILITY
DUKE ENERGY-OCALA
CONTACT: USIC DISPATCH
PHONE: (800) 778-9140

OWNER



O'REILLY AUTOMOTIVE STORES, INC.
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
417-862-2674 PHONE
OWNER'S CERTIFICATION:
"I HEREBY CERTIFY THAT I, MY SUCCESSORS, AND ASSIGNS SHALL PERPETUALLY
MAINTAIN THE IMPROVEMENTS AS SHOWN ON THIS PLAN."

PHIL HOPPER

BIDDING INFORMATION:
REFER TO OWNER'S WEB SITE:
HTTP://WWW.O'REILLYPLANROOM.COM

NOTE: REFER TO CURRENT PROJECTS LIST, LOCATED
AT BOTTOM OF SIGN IN PAGE, FOR INVITED GENERAL
CONTRACTORS.

ALL SUB-CONTRACTOR BIDS TO BE SUBMITTED TO
INVITED GENERAL CONTRACTORS ONLY.
CONTACT OWNER'S DESIGNATED REPRESENTATIVE
FOR ADDITIONAL PROJECT INFORMATION.

ARCHITECT



2101 W CHESTERFIELD BLVD, SUITE A101 - SPRINGFIELD, MO 65807 P (417) 530-4321

MECH. / ELEC. ENGINEER



Engineering Energy Innovation
2101 West Chesterfield Boulevard, Suite B-105A, Springfield, MO 65807
P: 417.877.1700 www.cjd-mfg.com

STRUCTURAL ENGINEER



Florida State Certificate of Authorization No. 20287
Aaron D. Smith P.E. 78886 Jeffrey S. Smith P.E. 34027
1801 W 32nd Street, Ste B, Suite 104 - SPRINGFIELD, MISSOURI 64804
PHONE: 417-624-0444 FAX: 417-624-0430

CIVIL ENGINEER



Certificate of Authorization #27013
FL LIC. # LC-C000170
Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Clearwater, Florida 33759 Tel. 727.531.3505
www.stantec.com Fax. 727.431.1777

AGENCY CONTACTS

SITE DEVELOPMENT ORDINANCE
MARION COUNTY GROWTH SERVICES
ADDRESS: 2710 E. SILVER SPRINGS BLVD.
OCALA, FL 34470

FIRE & RESCUE
MARION COUNTY FIRE RESCUE
ADDRESS: 2631 SE THIRD STREET
OCALA, FL 34471

SITE DATA TABLE

1. SITE AREA (EXISTING):			
TOTAL IMPERVIOUS AREA	42 SF	(0.1%)	
PERVIOUS AREA	67,324 SF	(99.9%)	
POND AREA	0 SF	(0.0%)	
GROSS SITE AREA	67,366 SF	(100.0%)	
2. SITE AREA (PROPOSED):			
ROOF AREA	7,453 SF	(11.0%)	
PAVEMENT AREA	20,793 SF	(30.9%)	
DRY DETENTION BOTTOM AREA	8,407 SF	(12.5%)	
PERVIOUS AREA	30,713 SF	(45.6%)	
TOTAL AREA	67,366 SF	(100.0%)	

GENERAL NOTES

A. CONTRACT ADMINISTRATION (LIMITED SERVICE): THE ARCHITECT AND/OR ENGINEER OF RECORD INDICATED HEREIN ARE PROVIDING A LIMITED SERVICE AND NOT PROVIDING CONTRACT ADMINISTRATION SERVICES FOR THIS PROJECT WHICH IS THE RESPONSIBILITY OF OTHERS. THE ARCHITECT AND/OR ENGINEER ARE NOT RESPONSIBLE FOR FIELD ACTIVITIES ON THIS PROJECT WITHOUT DIRECT INSPECTION OF THE WORK IN PROGRESS. IF FIELD CONDITIONS ARE UNCOVERED THAT REQUIRE A CHANGE OR ADDITIONAL INFORMATION, THE ARCHITECT AND/OR ENGINEER DOES NOT DELEGATE AUTHORITY TO ANYONE ELSE FOR DETERMINING THE MEANING OF PLANS OR SPECIFICATIONS AS AUTHENTICATED HEREIN.

B. QUALITY STANDARDS AND BUILDING CODES: CONTRACTORS SHALL BE RESPONSIBLE FOR KNOWING THE QUALITY AND PUBLIC SAFETY REGULATIONS SET FORTH IN THE GOVERNING CODES AND OTHER APPLICABLE REGULATIONS OF LOCAL AND STATE AGENCIES HAVING JURISDICTION WHICH GOVERN EACH CONTRACTOR'S WORK.

C. EXISTING CONDITIONS: FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING WORK. NOTIFY THE ARCHITECT AND/OR ENGINEER OF RECORD IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.

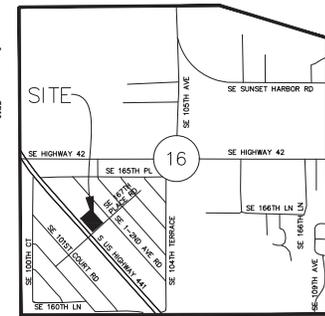
D. DRAINAGE CONSTRUCTION SPECIFICATIONS: NO CHANGE TO THE WORK AS SHOWN ON THE APPROVED PLANS SHALL BE MADE WITHOUT NOTIFICATION TO AND APPROVAL BY THE OFFICE OF THE COUNTY ENGINEER.

E. SPRINGS PROTECTION ZONE: THE SITE IS WITHIN THE MARION COUNTY SECONDARY SPRINGS PROTECTION ZONE.

F. CONCURRENCY MANAGEMENT: THE MAJOR SITE PLAN REVIEW IS CLASSIFIED AS A FINAL DEVELOPMENT ORDER SUBJECT TO FACILITY CONCURRENCY REVIEW. A CONCURRENCY DEFERRAL IS NOT BEING PURSUED.

SHEET INDEX

SHEET NUMBER	SHEET NAME
CT1	COVER SHEET
SV1	SITE SURVEY (FOR REFERENCE ONLY)
C1	GENERAL NOTES
C2	STORMWATER POLLUTION PREVENTION PLAN
C3	EROSION CONTROL DETAILS
C4	SITE DEMOLITION PLAN
C5	SITE DEVELOPMENT PLAN
C6	SITE GRADING PLAN
C7	SITE UTILITY PLAN
C8	SITE UTILITY PLAN & PROFILES
C9	SITE DEVELOPMENT DETAILS 1
C10	SITE DEVELOPMENT DETAILS 2
C11	SITE DEVELOPMENT DETAILS 3
C12	CONCRETE JOINT DETAILS
C13	SITE STORMWATER DETAILS 1
C14	SITE STORMWATER DETAILS 2
C15	CROSS SECTIONS
C16	SITE UTILITY DETAILS
C17	LIFT STATION DETAILS
AERIAL	AERIAL SITE PLAN
L1	PLANTING PLAN
L2	IRRIGATION PLAN
L3	PLANTING DETAILS
L4	IRRIGATION DETAILS
L5	IRRIGATION DETAILS



VICINITY MAP
N.T.S.



APPLICATION TYPE:
M-163 (2018) 04

REGISTERED PROFESSIONAL:
BRYAN L. ZARLENCA, PE
FL LICENSE NO. 62167

DATE: 05/02/24
DRAWN BY: JRL
CHECKED BY: BLZ
DATE: 03/07/25
PROJECT NUMBER: 23332 SM1
SHEET NUMBER: CT1

PROJECT: NEW O'REILLY AUTO PARTS STORE
16725 S US HWY 441, SUMMERFIELD, FL 34491
MARION COUNTY

COVER SHEET

© COPYRIGHT 2016 - DESIGN, DRAINAGE AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION, PROMOTION WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.

GENERAL NOTES

- 1. ALL WORKMANSHIP AND MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE PERFORMED TO THE LATEST EDITION OF THE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM TESTING AND INSPECTION REQUIREMENT NOTES

- 1. ALL COMPONENTS OF THE WATER SYSTEM INCLUDING FITTINGS, THRUST BLOOMING, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESURE TESTS TO BE IN ACCORDANCE WITH OWNING UTILITY SPECIFICATIONS CONTRACTOR TO NOTIFY OWNERS ENGINEER AND OWNING UTILITY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.

TESTING REQUIREMENTS

CONTRACTOR IS REQUIRED TO PROVIDE ALL TESTING IN ACCORDANCE WITH LATEST EDITION OF LOCAL GOVERNMENT AGENCY AND FOOT STANDARDS AND SPECIFICATIONS FOR THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

EROSION CONTROL MEASURES NOTE:

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

FUGITIVE DUST CONTROL NOTE

CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ELIMINATE THE TRANSPORT OF DUST FROM THE PROJECT SITE. SPECIAL MEASURES, SUCH AS PERIODICALLY APPLYING WATER TO THE DUST TO PREVENT DUST, SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE PROJECT. CONTRACTOR TO ADHERE TO DUST CONTROL NOTES INCLUDED IN THESE DOCUMENTS.

GENERAL UTILITY NOTES

- 1. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED TO THE LATEST EDITION OF THE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS, THE CONTRACTOR SHALL ADVISE HIS SCHEDULE TO ALLOW UTILITY OWNERS THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES.

ELECTRICAL AND TELEPHONE NOTES

- 1. ALL ELECTRICAL SERVICE SHALL BE INSTALLED UNDERGROUND.

TRAFFIC CONTROL/MOBT NOTES

CONTRACTOR IS REQUIRED TO PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO LOCAL GOVERNMENT AGENCY FOR REVIEW AND APPROVAL.

TRAFFIC CONTROL/MOBT NOTES

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

TRAFFIC CONTROL/MOBT NOTES

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

TRAFFIC CONTROL/MOBT NOTES

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

TRAFFIC CONTROL/MOBT NOTES

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

TRAFFIC CONTROL/MOBT NOTES

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

GENERAL SANITARY SEWER NOTES

- 1. MANHOLES SHALL BE INSPECTED BY THE OWNING UTILITY AND ENGINEER AFTER THE COMPLETION OF THE PRECAST STRUCTURE WITH A MINIMUM OF 24 HRS. D-3034, S.D.R. 26. LATEST REVISED WITH PUSH-ROUN RUBBER GASKET JOINTS.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE AND EXIT NOTES

- 1. LOCATION: A TYPICAL STABILIZER PAD LOCATED AT POINTS OF VEHICULAR INGRESS AND EGRESS ON A PUBLIC ROAD AND/OR PUBLIC PARKING AND STORM WATER SYSTEMS BY MOTORVEHICLE OR BIPODE.

CONSTRUCTION SPECIFICATIONS

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

CONSTRUCTION SPECIFICATIONS

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

CONSTRUCTION SPECIFICATIONS

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

CONSTRUCTION SPECIFICATIONS

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

CONSTRUCTION SPECIFICATIONS

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

CONSTRUCTION SPECIFICATIONS

CONTRACTOR TO INSTALL EROSION CONTROL MEASURES AS PROVIDED THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN THESE MEASURES WILL BE CONSIDERED A VIOLATION OF THIS PROJECT. TESTING TO BE LIMITED TO ALL REQUIRED CONTRACTOR TESTING, TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING ETC.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

WATER SYSTEM NOTES

- 1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, DETAILS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FOOT STANDARDS, DETAILS AND SPECIFICATIONS.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

GENERAL DUST CONTROL NOTES

- 1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMP) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING ROAD, DISTURBANCE, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO REMOVAL FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.

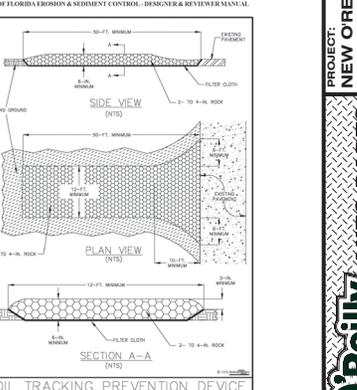


Figure V-52: Illustration of a Soil Tracking Prevention Device

SOIL TRACKING PREVENTION DEVICE

SCALE: 1/8" = 1'-0"

DATE: 05/02/24

REVISION: 03/12/24 03/16/25

PROJECT NUMBER: 23332 SM1

SHEET NUMBER

Stantec Consulting Services Inc. 380 Park Place Boulevard, Suite 300 Clearwater, Florida 34617 Tel: 727.251.3335 www.stantec.com Fax: 727.431.1777 Certificate of Authorization #27013 FL Lic. #LC-0000170

Professional Engineer Seal for Bryan L. Zarlensky, PE, License No. 02167, State of Florida. Includes logo for Reilly Auto Parts.

PROJECT: NEW O'REILLY AUTO PARTS STORE 16728 S US HWY 441 SUMMERFIELD, FL 34497 MARION COUNTY, FLORIDA. Includes logo for Reilly Auto Parts.

Reilly Auto Parts logo and contact information: 813-924-1111, 813-924-1112, 813-924-1113, 813-924-1114, 813-924-1115, 813-924-1116, 813-924-1117, 813-924-1118, 813-924-1119, 813-924-1120, 813-924-1121, 813-924-1122, 813-924-1123, 813-924-1124, 813-924-1125, 813-924-1126, 813-924-1127, 813-924-1128, 813-924-1129, 813-924-1130.

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NAME: O'REILLY AUTO PARTS STORE - SUMMERFIELD (SM1)
PROJECT ADDRESS: 1725 S US HWY 441
SUMMERFIELD, FL 34491

OWNER'S ADDRESS: 233 SOUTH PATTERSON
SPRINGFIELD, MO 65802

DESCRIPTION OF PURPOSE AND TYPES OF SOIL DISTURBING ACTIVITIES:

PROPERTY AREA APPROXIMATELY ± 1.547 ACRES
PROJECT AREA APPROXIMATELY ± 1.547 ACRES

CONSTRUCTION PROPOSED: IMPROVEMENTS INCLUDING NEW BUILDING, NEW PARKING AND DRIVE, NEW SIDEWALK, STORMWATER MANAGEMENT AND LANDSCAPE

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING EXISTING VEGETATION.

WETLAND ACTIVITIES INCLUDE:
NO WETLAND IMPACTS ARE PROPOSED FOR THE PROJECT.

CONSTRUCTION REMOVAL ACTIVITIES WILL INCLUDE:
REMOVE EXISTING VEGETATION, FENCING, AND WELLS

STORMWATER DRAINAGE AREA:
BASIN AREA: ±1.69 ACRES

WATER QUALITY: PROPOSED RETENTION POND
WATER QUANTITY: PROPOSED RETENTION POND

SEQUENCE OF MAJOR ACTIVITIES:

- 1. INSTALL STAKED SILT FENCE AS SHOWN ON THE DEMOLITION PLAN.
- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE
- 3. EXCAVATE STORMWATER POND AND/OR UNDERGROUND EXFILTRATION SYSTEM
- 4. COMPLETE SITE PREPARATION PLAN, PAVING, GRADING, AND DRAINAGE PLAN, AND UTILITY PLAN.
- 5. INSTALL NEW UTILITIES, STORM SYSTEMS, PARKING LOT, AND BUILDING
- 6. FILL AND GRADE DISTURBED AREAS
- 7. REPAIR ANY WASHED OUT AREAS, INSTALL PLANTING MATERIAL AS SHOWN ON LANDSCAPE PLAN, SOIL, SEED, AND MULCH DISTURBED AREAS AS INDICATED ON PLANS.
- 8. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

NAME OF RECEIVING WATERS:

THE SITE IS DESIGNATED AS A CLOSED BASIN SYSTEM. THE REMAINING LAND AREA NOT TREATED BY THE ONSITE POND WILL DISCHARGE TO THE EXISTING CONVEYANCE SWALE (S US HWY 441 RIGHT-OF-WAY) SOUTHWEST OF THE PROPERTY, AS IN EXISTING CONDITIONS.

CONTROLS:

EROSION AND SEDIMENT CONTROLS

CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMPs) DURING AND AFTER CONSTRUCTION TO MINIMIZE EROSION AND SEDIMENTATION AND TO PROPERLY MANAGE RUNOFF FOR BOTH STORMWATER QUANTITY AND QUALITY. CONTRACTOR TO ADHERE TO FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION EROSION AND SEDIMENTATION CONTROL MANUAL.

BEFORE SITE DISTURBANCE OCCURS, PERMITTER CONTROLS, SEDIMENT TRAPS, BASINS, AND DIVERSIONS MUST BE SET IN PLACE BY THE CONTRACTOR TO CONTROL RUNOFF AND CAPTURE SEDIMENTS. THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN AS SHOWN ON THE CONSTRUCTION DOCUMENTS.

THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH EROSION CONTROL PLAN AND DETAILS. ANY MODIFICATIONS TO THIS PLAN MUST BE SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. CONTRACTOR SHALL REMOVE ALL SEDIMENT THAT HAS MIGRATED OFF-SITE. THE EROSION CONTROL DEVICES FOR THESE ACTIVITIES ARE SPECIFIED IN THE PLANS AND ACCORDING TO DESIGN STANDARDS FOR DESIGN, CONSTRUCTION, MAINTENANCE AND UTILITY OPERATIONS ON THE STATE HIGHWAY SYSTEM (CURRENT EDITION), SECTION 104. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE NEEDED AND DEPLOYMENT SCHEDULES FOR THE IMPLEMENTATION OF ALL EROSION CONTROL DEVICES.

STABILIZATION PRACTICES:

WIND EROSION STABILIZATION:

THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO BE GRADED OR ALTERED WITHIN A TWO (2) WEEK TIME FRAME. FINAL GRASSES SHALL BE PERFORMED AND TEMPORARY OR PERMANENT SOIL STABILIZATION SHALL BE APPLIED AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS. FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN CONTROL OFF-SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.

TEMPORARY STABILIZATION:

TOP SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 7 DAYS WILL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 7 DAYS FROM CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERBERIA SEED AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE TYPES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH, DRY MULCH SHALL BE STRAW OR HAY, CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANICOLA, PEANUT, COASTAL BERBERIA OR BAHIA GRASS. HAY ONLY UNDETERMINED MULCH, WHICH CAN BE READILY CUT INTO THE SOIL, SHALL BE USED. AREAS OF THE SITE, WHICH ARE TO BE PAVED, WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE. TREE BARRIERS WHERE REQUIRED.

PERMANENT STABILIZATION:

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH SOIL NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

SEDIMENT BASINS:

IF APPLICABLE, SEDIMENT BASINS TO BE CONSTRUCTED BY THE CONTRACTOR TO DETAIN SEDIMENT-LADEN RUNOFF FROM DISTURBED AREAS LONG ENOUGH FOR MOST OF THE SEDIMENT TO SETTLE OUT. SEDIMENT BASINS SHOULD BE USED TOGETHER WITH EROSION CONTROL PRACTICES SUCH AS TEMPORARY SEEDING, MULCHING, DIVERSION BERMS, ETC., TO REDUCE THE AMOUNT SEDIMENT FLOWING INTO THE STORM SYSTEM.

DEWATERING:

DEWATERING IS NOT PROPOSED WITH THIS PROJECT. IF CONTRACTOR IS PLANNING TO DEWATER, THE CONTRACTOR MUST APPLY TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ALL OTHER LOCAL GOVERNING AGENCIES.

STRUCTURAL PRACTICES:

STAKED SILT FENCES:

STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE CONSTRUCTION LIMITS OR AS SPECIFIED ON THE EROSION CONTROL & DEMOLITION PLANS AND/OR ON OTHER CONSTRUCTION PLANS. THESE DEVICES WILL STOP AND DIVERT RUNOFF FROM THE SITE TO OTHER SURFACE WATERS.

OTHER CONTROL WASTE DISPOSAL:

OFFSITE VEHICLE TRACKING:

STABILIZE CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS REQUIRED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARP AT ALL TIMES.

WASTE MATERIALS:

ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE DUMPED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING. NO CONSTRUCTION MATERIALS WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE ON-SITE OFFICE. TRAILER AND THE CONSTRUCTION MANAGER RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGE TO ADJACENT WATERWAYS OR WETLANDS OR BURIED ON SITE.

HAZARDOUS WASTE:

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE PERMITTING AGENCY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION AND CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF DISCOVERY.

IF ENCOUNTERED, HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE:

ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS A MINIMUM OF THREE TIMES PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, IN ACCORDANCE WITH FOOT STANDARD SPEC. FOR ROAD AND BRIDGE, CONSTRUCTION 2025 - 2026 EDITION SECTION 7-6, AND AS REQUIRED BY LOCAL REGULATIONS.

TIMING OF CONTROL MEASURES:

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT BARRIERS, EROSION CONTROL, AND STABILIZED CONSTRUCTION ENTRANCES CONSTRUCTED PRIOR TO GRUBBING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 7 DAYS WILL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 7 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOIL. AFTER THE SOIL IS STABILIZED, THE STAKED SILT BARRIERS WILL BE REMOVED FROM THE TRAPS AND THE STAKED SILT BARRIERS WILL BE REMOVED.

MAINTENANCE INSPECTION PROCEDURES:

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES: THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL.

LESS THAN ONE HALF OF THE SITE WILL BE DENUDE AT ONE TIME PRIOR TO ESTABLISHING EROSION AND SEDIMENT MANAGEMENT. ALL CONTROL MEASURES WILL BE INSPECTED ONCE PER DAY AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER BY A CONTRACTOR'S REPRESENTATIVE.

ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.

BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE. SILT FENCE WILL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT. TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

IF APPLICABLE, THE SEDIMENT BASINS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB.

A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN AN ACTIVE LOG READILY AVAILABLE AT THE JOB SITE. CONSTRUCTION TRAILER. THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR MAINTENANCE AND REPAIR ACTIVITIES. FOLLOWING THE INSPECTION AND MAINTENANCE REPORT WILL BE BY THE CONTRACTOR. PERSONNEL SELECTED FOR MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.

STORMWATER MANAGEMENT:

THE STORMWATER SYSTEM CONSISTS OF ONSITE STORMWATER PIPES AND RETENTION POND THAT DOES NOT DISCHARGE. ANY LAND AREA THAT IS NOT DIRECTED TO THE ONSITE POND WILL MAINTAIN EXISTING DRAINAGE PATTERNS AND FLOW TO THE EXISTING CONVEYANCE SWALE (S US HWY 441 RIGHT-OF-WAY) SOUTHWEST OF THE PROPERTY.

WETLAND MITIGATION:

WETLAND MITIGATION IS NOT APPLICABLE FOR THE PROPOSED PROJECT.

NON-STORM WATER DISCHARGES:

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

- 1. PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF TOXIC OR VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED).
- ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE OR AS DIRECTED BY THE ENGINEER. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, THE CONTRACTOR MUST NOTIFY THE OWNER AND ENGINEER.

MAINTENANCE AND INSPECTION:

ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PHASE OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH LOCAL GOVERNMENT AGENCY TECHNICAL SPECIFICATIONS, AND THE PROJECT CONSTRUCTION CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE FDEP NPDES /STORMWATER POLLUTION PREVENTION PLAN (SWPPP) CONSTRUCTION INSPECTION REPORT AFTER ANY 1/2 INCH RAINFALL OR WEEKLY IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAIN FALL. CONTRACTOR SHALL ALSO COMPLETE THE NPDES COMPLIANCE CHECKLIST FOR CONSTRUCTION SITES.

WATER MANAGEMENT DISTRICT - KEY PROVISIONS:

STORMWATER MANAGEMENT APPROVAL WILL BE SECURED FROM THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SRWMD). THE FOLLOWING KEY PROVISIONS MUST BE MAINTAINED BY THE PERMITTEE AND CONTRACTOR. (IN ACCORDANCE WITH THE BASIS OF REVIEW FOR ENVIRONMENTAL RESOURCE PERMIT (ERP) APPLICATIONS):

THE PERMITTEE AND CONTRACTOR SHALL AMEND THE CONSTRUCTION SURFACE WATER MANAGEMENT PLAN WHENEVER THE PROJECT IS ALTERED OR MODIFIED IN A MANNER THAT WILL RESULT IN:

- 1. THE POTENTIAL DISCHARGE OF POLLUTANTS
- 2. A CHANGE IN THE AMOUNT OF DISCHARGE
- 3. A CHANGE IN THE NUMBER OF LOCATION OF STORM WATER DISCHARGE POINTS, OR
- 4. ADVERSE IMPACTS TO WETLANDS, AND SUCH CHANGES) HAVE NOT OTHERWISE BEEN PREVIOUSLY ADDRESSED IN THE APPROVED PLAN. THE PERMITTEE AND CONTRACTOR SHALL ALSO AMEND THE PLAN IF ITS IMPLEMENTATION DOES NOT ELIMINATE OR MINIMIZE EROSION AND SEDIMENT DEPOSITION, OFF-SITE FLOODING, ADVERSE IMPACTS TO WETLAND, OR VIOLATIONS OF STATE WATER QUALITY STANDARDS. AMENDMENTS TO THE PLAN SHALL BE PREPARED AND KEPT AS SEPARATE DOCUMENTS ALONG WITH THE ORIGINAL PLAN, ALL ALTERATIONS TO THE SYSTEM MUST BE SHOWN ON THE AMENDED PLAN ALONG WITH THE DOCUMENTATION OR REQUIRED APPROVALS).

SPILL PREVENTION:

MATERIAL MANAGEMENT PRACTICES

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

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT:

AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.

PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS. SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER. WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED UP BEFORE DISPOSING OF THE CONTAINER. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.

THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, WATERWAYS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

PETROLEUM PRODUCTS

ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER (ONCE APPLIED). FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A SEALABLE PLASTIC BIN TO AVOID SPILLS.

CONCRETE TRUCKS

CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, WATERWAYS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT. CONTRACTOR TO PREPARE A DETAILED SITE PLAN FOR APPROVAL FOR THE CONCRETE DISCHARGE AND WASH DOWN ACTIVITIES.

SPILL CONTROL PRACTICES

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

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

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

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

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

"THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.

"THE CONTRACTOR WILL BE RESPONSIBLE FOR SPILL PREVENTION AND CLEANUP COORDINATION. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN MATERIAL STORAGE AREAS, IN THE OFFICE TRAILER ON-SITE. USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON-SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTOR'S NAME AND INSPECTION REPORT.

FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE OWNERS, ENGINEER OF RECORD AND PERMITTING AGENCY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTENT OF THE CONTAMINATION.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED, BUT NOT LIMITED, TO BE PRESENT ON-SITE DURING CONSTRUCTION:

- CONCRETE
- FERTILIZERS
- DETERGENTS
- PETROLEUM BASED PRODUCTS AND FUELS
- TAR
- CLEANING SOLVENTS
- WOOD
- SAND
- STONE

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS HAVE BEEN READ BY ME OR MY DESIGNATED REPRESENTATIVE AND I UNDERSTAND THAT THIS SYSTEM HAS BEEN PREPARED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED, BASED ON MY INQUIRY OF THE PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

OWNER: _____

APPLICANT AUTHORIZED AGENCY: _____

ADDRESS: _____

DATE: _____

CONTRACTOR'S AND ENGINEER'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION. I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA "GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES" (GCP), AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR O'REILLY AUTO PARTS STORE.

SIGNATURE: _____ FOR: _____ RESPONSIBLE FOR: _____

NAME: _____ COMPANY: _____ GENERAL CONTRACTOR

TITLE: _____ ADDRESS: _____

DATE: _____ PHONE: _____

CERTIFIED ENGINEER

NAME: BRYAN L. ZARLENGA PE COMPANY: STANTEC CONSULTING SERVICES, INC.
FL REG NO. 52167 380 PARK PLACE BLVD., SUITE 300
CLEARWATER, FL 33719
TITLE: SENIOR PRINCIPAL PHONE: 727-631-3506

NPDES NOTIFICATION (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM)

ATTENTION: FAILURE TO MAINTAIN EROSION AND/OR SEDIMENTATION CONTROLS OR ANY ILLEGAL DISCHARGE RESULTING FROM THEIR FAILURE WILL LIKELY RESULT IN FINE CITATIONS. CODE REGULATIONS AUTHORIZES PENALTIES OF UP TO \$10,000 FOR EACH OFFENSE.

ALL ACTIVITIES MUST CONFORM WITH FDEP NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. POLLUTION PREVENTION FROM THE PROPOSED CONSTRUCTION ACTIVITIES WILL BE IMPLEMENTED IN ACCORDANCE WITH SWPMD BASIS OF REVIEW SUBSECTION 2.8.4.

KEY PROVISIONS

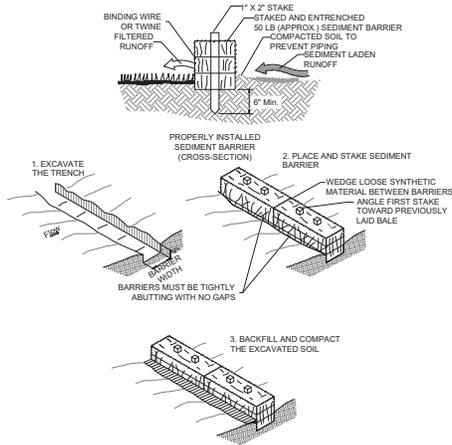
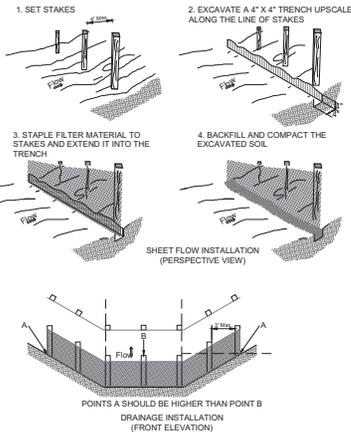
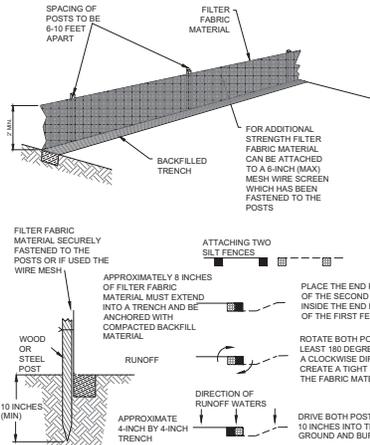
- 1. IMPLEMENTATION OF THIS STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
- 2. CONDUCTING AND DOCUMENTING ROUTINE INSPECTIONS AS REQUIRED.
- 3. RETENTION OF RECORDS REQUIRED BY THE PERMIT, INCLUDING RETENTION OF A COPY OF THE SWPPP AT THE CONSTRUCTION SITE, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL SITE STABILIZATION.

NOTICE OF INTENT (NOI)

A NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (NOI) IS REQUIRED FOR THIS SITE SINCE THE PROJECT AREA IS MORE THAN ONE ACRE IN SIZE.

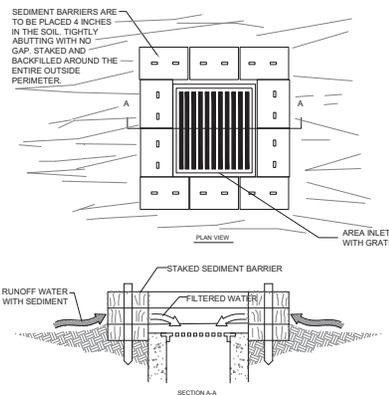
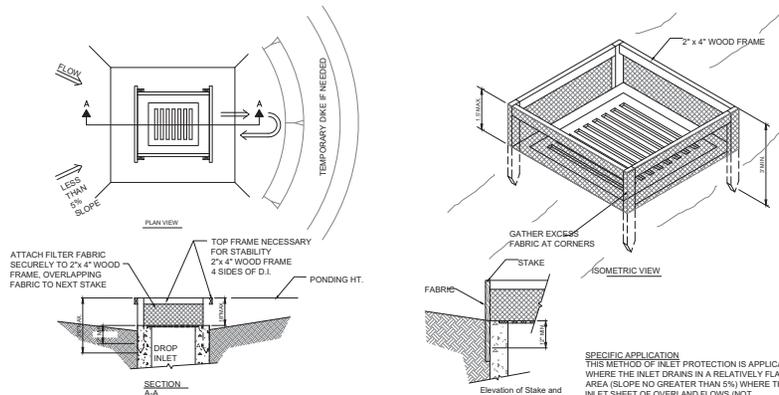
APPLICATION TYPE: LICENSEE PROFESSIONAL
I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL THE REQUIREMENTS OF THE DEVELOPMENT CODE, EXCEPT AS NOTED OTHERWISE.
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167
PROJECT: NEW O'REILLY AUTO PARTS STORE
1725 S US HWY 441 SUMMERFIELD, FL 34491
MARION COUNTY
STORMWATER POLLUTION PREVENTION PLAN
DATE: 05/02/24
DRAWN BY: JRL
CHECKED BY: BLZ
DATE: 05/02/24
APPROVED: 03/16/25
03/07/25
PROJECT NUMBER: 23332 SM1
SHEET NUMBER: C2 of 17
Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Clearwater, Florida 33719 Tel: 727.251.3505
www.stantec.com Fax: 727.431.1777
Certificate of Authorization #27013
FL Lic. # LC-0000170

811
KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG
www.call811.com



1 INSTALLING A FILTER FABRIC SILT FENCE
C3 SCALE: N.T.S.

2 TEMPORARY SYNTHETIC SEDIMENT BARRIER
C3 SCALE: N.T.S.



- NOTES:
- DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS, (LESS THAN 5%).
 - USE 2" x 4" WOOD OR EQUIVALENT METAL STAKES. (3 FT. MIN. LENGTH)
 - INSTALL 2" x 4" WOOD TOP FRAME TO INSURE STABILITY.
 - THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.

SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS IN A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OF OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS STREET OR HIGHWAY MEDIANS.

SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5%) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS STREET OR HIGHWAY MEDIANS.

3 TEMPORARY SEDIMENT BARRIER AT DROP INLET
C3 SCALE: N.T.S.

4 TEMPORARY SYNTHETIC SEDIMENT BARRIER AT STORM DRAIN DROP INLET
C3 SCALE: N.T.S.

EROSION AND SEDIMENTATION CONTROL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO SURFACE DRAINAGE AND OUTFALLS REFER TO CONSTRUCTION PLANS, DETAILS, SPECIFICATIONS AND APPROVED PERMITS FOR DETAILS. SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH SIX INCHES ON AN EROSION DEVICE.
- DURING THE CONSTRUCTION OF DRAINAGE STRUCTURES, AND OTHER STRUCTURES REQUIRING EXCAVATION, THE CONTRACTOR SHALL PLACE APPROVED BARRIERS OR OTHER APPROVED DEVICES AROUND SUCH STRUCTURES TO PREVENT EROSION AND THE MISPLACEMENT OF SEDIMENT TO POINTS OUTSIDE THE CONSTRUCTION AREA. THE APPROVED BARRIERS OR OTHER APPROVED DEVICES SHALL BE PLACED IN ACCORDANCE WITH REQUIREMENTS OF F.D.O.T. INDEX NO. 105 OR AS DIRECTED BY THE ENGINEER.
- REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. FAILURE TO INSTALL OR PROPERLY MAINTAIN REQUIRED EROSION CONTROL WILL RESULT IN ENFORCEMENT ACTION. ALL EROSION CONTROL MEASURES, Silt, Silt, and DEBRIS SHALL BE REMOVED FROM ALL DRAINAGE PIPES AND STRUCTURES AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO COUNTY FINAL WALK-THROUGH.
- OUTFALL PROTECTION - PROJECT PIPE OR DITCH DISCHARGES INTO OFF-SITE OUTFALLS SHALL BE INSPECTED DAILY FOR POSSIBLE SEDIMENT BUILDUP OR TRANSPORT. OUTFALLS SHALL BE PROTECTED THROUGH USE OF EROSION CONTROL FEATURES AS NECESSARY TO CONTAIN ANY SEDIMENT LOSS TO THE IMMEDIATE AREA OF THE PROJECT. ANY SEDIMENT BUILDUP OR TRANSPORT OFF-SITE SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE. THE CONTRACTOR SHALL USE APPROPRIATE BARRIERS AS DIRECTED BY THE PROJECT ENGINEER FOR OUTFALL PROTECTION.
- APPROVED BARRIERS (OR OTHER APPROVED SEDIMENT CONTROL DEVICES) THESE SHALL BE PLACED AT THE BASE OF ANY SLOPE WHERE A RAINFALL EVENT COULD ERODE A SLOPE AND TRANSPORT SEDIMENTS OFF-SITE. APPROVED BARRIERS SHALL BE DOUBLE STAKED IN ACCORDANCE WITH F.D.O.T. INDEX NO. 105 OR EQUIP. IF EROSION DEPOSITS REACH THE TOP ELEVATION OF EXISTING APPROVED BARRIERS, THEN SEDIMENTS MUST BE REMOVED. ANY DAMAGED OR INEFFECTIVE APPROVED BARRIERS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION AND INSTALLATION OF APPROVED BARRIERS SHALL BE AS DIRECTED BY THE PROJECT ENGINEER.
- BACK OF SIDEWALK INLETS OR MEDIAN INLETS THESE SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AROUND INLET TOP. A SECOND ROW OF APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES SHALL BE PLACED AROUND INLET APPROXIMATELY 4' OUTSIDE FIRST ROW. BETWEEN ROWS THERE SHALL BE A DEPRESSION TO ACT AS A SEDIMENT BASIN. COMPLETED INLETS IN WADY AREAS SHALL ALSO BE PROTECTED WITH A SINGLE LINE OF APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES TO PREVENT SEDIMENT INTAKE FROM OTHER AREAS.
- STOCKPILED MATERIALS SHALL BE PROTECTED BY COVER, APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 3 DAYS AFTER 1/2" PAN EVENT OBTURBANCE.
- SEDIMENT TRAPPING MEASURES: SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, FILTER FENCES, BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT INTO WATERS OF THE STATE OR NEIGHBORING PROPERTIES SHALL BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY DEWATERING PERMITS FROM THE LOCAL WATER MANAGEMENT DISTRICT OR OTHER REGULATORY AGENCY.
- A DEWATERING PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO DISCHARGE.
- WHERE PUMPS ARE TO BE USED TO REMOVE TURBID WATER FROM THE CONSTRUCTION AREA, THE WATER SHALL BE TREATED TO REDUCE TURBIDITY TO STATE WATER QUALITY STANDARDS PRIOR TO DISCHARGE TO THE WETLANDS TREATMENT METHODS INCLUDE: FOR EXAMPLE, TURBID WATER BEING PAIRED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS OTHER THAN LAND PRESERVATION AREAS AND WETLAND BUFFERS, SEDIMENT BASINS, OR AREAS CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
- THERE IS TO BE NO DISCHARGE (I.E. PUMPING, SHEET FLOW, SWALE, DITCH, ETC.) INTO EXISTING DITCHES OR CANALS WITHOUT THE USE OF BETTING PONDING OR DEVICES. IF THE CONTRACTOR INTENDS TO DISCHARGE INTO EXISTING DITCHES OR CANALS A BETTING PLAN PREPARED BY THE CONTRACTOR MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND LOCAL REGULATORY AGENCY PRIOR TO CONSTRUCTION.
- WHERE APPLICABLE, SOIL TRACKING PREVENTION DEVICES SHALL BE PROVIDED AND MAINTAINED PER F.D.O.T. INDEX NO. 106 OR EQUIP.
- THE EROSION CONTROL DEVICE QUANTITIES SHOWN ON THE BID FORMS ARE ESTIMATES OF THE ACTUAL QUANTITIES THAT MAY BE ENCOUNTERED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SPECIFY ACTUAL QUANTITIES AND COSTS ASSOCIATED WITH THIS SPECIFIC EROSION CONTROL IMPLEMENTATION SCHEDULE. EROSION CONTROL ITEMS MAY BE ADDED OR DELETED FROM THE PAY ITEM LIST AS THE EROSION CONTROL IMPLEMENTATION SCHEDULE PROVIDED BY THE CONTRACTOR IS MODIFIED TO MEET SITE SPECIFIC CONDITIONS.
- ALL EROSION CONTROL FENCES, BARRIERS AND SILTATION DEVICES SHALL BE ERECTED PRIOR TO ANY LAND ALTERATIONS. SHALL BE MAINTAINED IN GOOD WORKING ORDER DURING CONSTRUCTION, AND REMOVED FOLLOWING SOIL STABILIZATION AND FINAL DRESSING. BUILD-UP SEDIMENT WILL BE REMOVED FROM SILT FENCES AND STAKED TURBIDITY BARRIERS WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE/BARRIER. STOCKPILE AREAS SHALL INCLUDE SILT FENCE AROUND THE PERIMETER.
- THE CONTRACTOR SHALL NOT RESTRICT OR BLOCK THE EXISTING DRAINAGE FLOW OVERLAND OR WITH RESHAPED SWALES. FLOW WITHIN EXISTING DRAINAGE PIPES SHALL BE MAINTAINED AT ALL TIMES. STORMWATER WILL BE CONVEYED IN EXISTING SWALES, DITCHES, OR PROPOSED DITCHES, EXISTING AND PROPOSED STORM SEWERS.
- DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS. EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS, TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFF-SITE SEDIMENT TRANSPORT AND TO INSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.
- BANKS SHALL BE PROTECTED FROM EROSION OR COLLAPSE DURING CONSTRUCTION. BANK PROTECTION MATERIAL SHALL BE CAREFULLY PLACED FROM THE BANK AND NOT DUMPED FROM ABOVE IN AN UNCONTROLLED MANNER. EROSION CONTROL FABRIC BARRIERS SHALL BE USED TO PROTECT BANKS FROM EROSION. EROSION CONTROL MEASURES ESTABLISHED IN TIME TO PROTECT THE BANKS UNLESS OTHERWISE SPECIFIED IN THE PLANS. UPON COMPLETION OF CONSTRUCTION, ALL BANKS AND WATERWAYS SHALL BE RESTORED TO THEIR PRE- CONSTRUCTION CONFIGURATION AND PROTECTION FROM EROSION.
- IF APPLICABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING POND FILTRATION SYSTEMS FROM BEING CLOGGED UNTIL MARION COUNTY DETERMINES THE CONSTRUCTION IS COMPLETE. IF FILTER MATERIAL IS CONTAMINATED, IT SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR TO COORDINATE WITH LOCAL MUNICIPALITY REGARDING PREPARATION AND PERMITTING WITHIN THE NPDES PROGRAM.

APPLICATION TYPE: PROFESSIONAL
LICENSED PROFESSIONAL: BRYAN L. ZARLENKA, P.E.
FL LICENSE NO. 62197

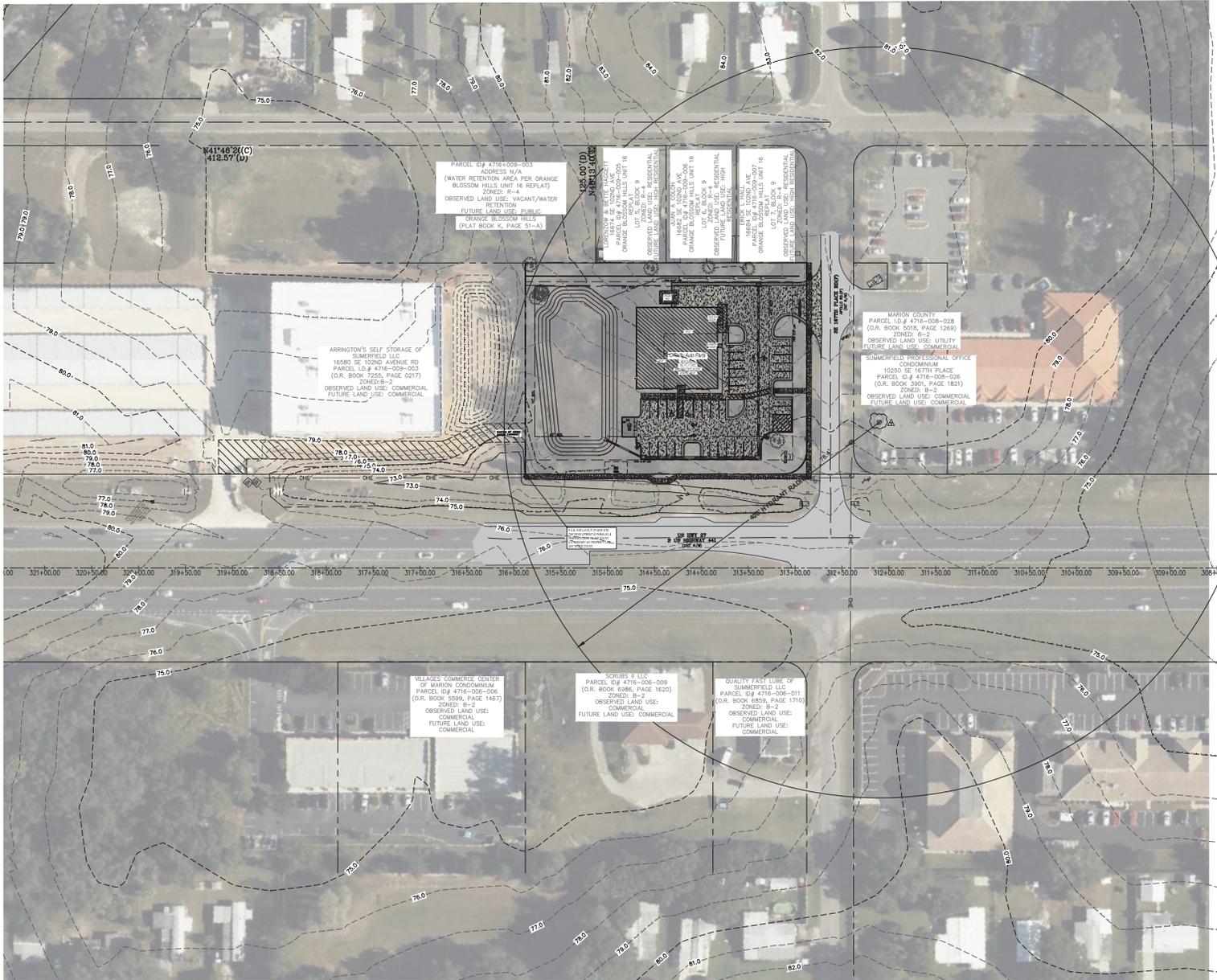
PROJECT: NEW O'REILLY AUTO PARTS STORE
16728 S US HWY 441 SUMMERFIELD, FL 34497
MARION COUNTY

DATE: 05/02/24
REVISION:

PROJECT NUMBER: 23332 SM1
SHEET NUMBER: C3 of 17

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.call4usfl.com

Stantec
Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Chowdero, Orlando 32709 Tel: 727.261.3305
www.stantec.com Fax: 727.431.1177
Certificate of Authorization #27013
FL Lic. # LC-000170



SYMBOLS LEGEND	
REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND	
	NEW BUILDING CONSTRUCTION
	AREA OF CONCRETE
	AREA OF EXISTING ASPHALT
	NEW POLE SIGN LOCATION
	NEW CONCRETE WHEELSTOP
	NEW LIGHT POLE LOCATION
	PROPERTY LINE
	CENTER LINE

APPLICATION TYPE:
 PROFESSIONAL
 LICENSED PROFESSIONAL
 ENGINEER
 LICENSE NO. 52167
 I, BRYAN L. CARLENSA, P.E., FL LICENSE NO. 52167, CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL THE ENGINEERING REQUIREMENTS OF DEVELOPMENT CODE, EXCEPT AS INDICATED.

BRYAN L. CARLENSA, P.E.
 FL LICENSE NO. 52167

PROJECT:
NEW O'REILLY AUTO PARTS STORE
 16728 S US HWY 441 SUMMERFIELD, FL 34491
 MARION COUNTY

AERIAL SITE PLAN

O'Reilly AUTO PARTS
 CORPORATION
 10000 W. WINDYBROOK DRIVE
 SPRINGFIELD, MISSOURI 65764
 (417) 882-2874 TELEPHONE

DATE: 05/02/24
 NETWORK: 03/13/24 03/28/25
 03/07/25
 PROJECT NUMBER: 23332 SM1
 SHEET NUMBER: AERIAL

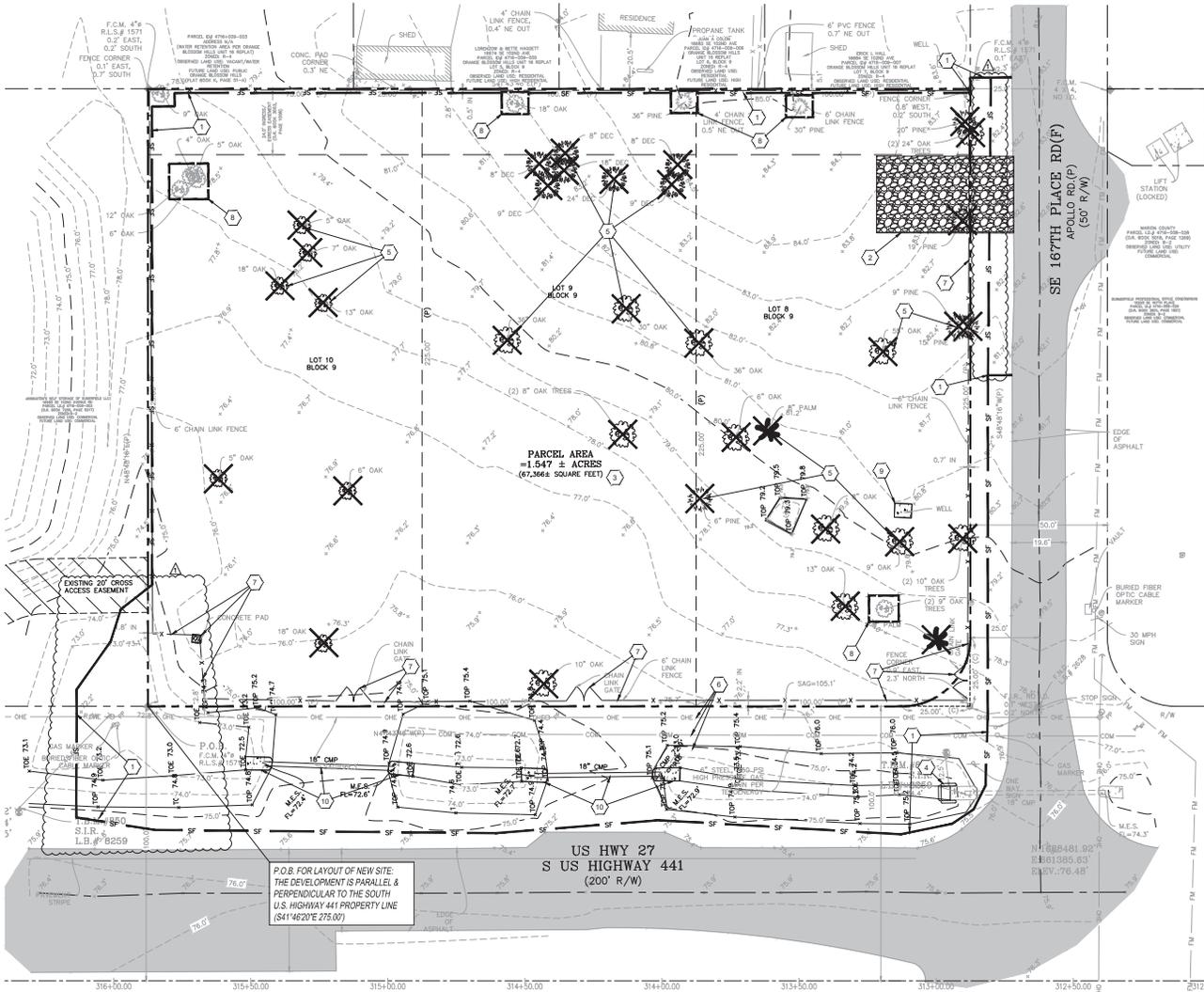
DESIGNER: JRL
 CHECKER: BLZ



Stantec
 Stantec Consulting Services Inc.
 380 Park Place Boulevard, Suite 300
 Clearwater, Florida 33759 Tel: 727.251.3305
 www.stantec.com Fax: 727.431.1777
 Certificate of Authorization #27013
 FL Lic. # LC-0000170

Plot Date: 04/02/25 2:25:03 PM - Lamon, Justin
 File: U:\21\03\2024\05\02\24\Aerial.dwg - Joe Aerial

© COPYRIGHT 2016 - DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.



KEY NOTES:

- 1 INITIAL SILT FENCE LOCATION. REFER TO DETAIL 1/C3.
- 2 SOIL TRACKING PREVENTION DEVICE. REFER TO DETAIL 1/C1.
- 3 LAND CLEARING. CLEAR AND GRUB SITE. **SURVEY & RESULTING SITE DEMOLITION PLAN DO NOT INDICATE EXTENT OF EXISTING UNDERSTORY TREES, SHRUBS AND OTHER GROUNDCOVER TO BE REMOVED FOR THIS PROJECT. CONTRACTOR SHALL BECOME FAMILIAR WITH SITE VEGETATION CONDITIONS PRIOR TO BIDDING ON THIS ITEM.
- 4 EROSION PROTECTION - DRAINAGE STRUCTURE. INSTALL APPROPRIATE BMP. MAINTAIN THROUGHOUT CONSTRUCTION.
- 5 LANDSCAPE REMOVAL. REMOVE TREES, PALMS, HEDGEROW, ETC (INCLUDING TREE STUMPS).
- 6 EXISTING UTILITIES. TO BE FULLY PROTECTED DURING CONSTRUCTION. CONTRACTOR TO FIELD VERIFY LOCATION AND COORDINATE ANY PROTECTION AND ADJUSTMENT REQUIREMENTS WITH UTILITY PROVIDER.
- 7 EXISTING FENCE. REMOVE EXISTING FENCE, GATES, ALL POSTS, CONCRETE FOUNDATIONS, ETC.
- 8 TREE PROTECTION. REFER TO LANDSCAPE PLANS FOR DETAILS.
- 9 EXISTING WELL. ABANDON/REMOVE EXISTING WELL AND ASSOCIATED WELL INFRASTRUCTURE.
- 10 EXISTING FLOODWATER INFRASTRUCTURE. REMOVE EXISTING FLOODWATER SECTIONS & ASSOCIATED STORMWATER PIPING IN EXISTING SWALES.

SPECIAL HAZARDOUS MATERIALS NOTE:

1. AN ENVIRONMENTAL ANALYSIS HAS BEEN PERFORMED ON THE EXISTING SITE. REFER TO PROJECT MANUAL.
2. IF THIS PROJECT CONTAINS HAZARDOUS MATERIALS CONTRACTOR IS TO PROVIDE PROPER HANDLING, REMOVAL AND DISPOSAL PER ENVIRONMENTAL ANALYSIS RECOMMENDATIONS.

GENERAL NOTES:

1. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
3. ANY EXISTING SIDEWALK IN DISREPAIR TO BE SAWCUT, REMOVED, AND REPLACED AT NEAREST JOINT PER FOOT SPECIFICATIONS.
4. CONTRACTOR TO FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION AND/OR CONSTRUCTION.
5. CONTRACTOR TO CUT, CAP, AND REMOVE ALL EXISTING UTILITIES NOT BEING REROUTED TO THE PROPERTY LINE.
6. PRIOR TO INSTALLATION, CONTRACTOR TO CONFIRM THAT LIGHT POLES, LANDSCAPES AND UTILITIES DO NOT CONFLICT WITH SIGN LOCATION. IF ANY POTENTIAL CONFLICT IS DISCOVERED, CONTRACTOR TO CONTACT O'REILLY PROJECT ADMINISTRATOR BEFORE PROCEEDING.
7. ALL AREAS DISTURBED IN THE RIGHT OF WAY SHALL BE RETURNED TO ORIGINAL CONDITION OR BETTER.
8. THE SILT FENCE MUST BE INSTALLED PRIOR TO DEMOLITION. IN AREAS WHERE SILT FENCE CAN NOT BE INSTALLED UNTIL EXISTING INFRASTRUCTURE ARE REMOVED, APPROPRIATE BMP'S SHOULD BE MAINTAINED. SILT FENCE SHALL BE INSTALLED IMMEDIATELY AFTER REMOVAL OF INFRASTRUCTURE.
9. CONTRACTOR MUST NOT INTERRUPT UTILITY SERVICE TO ADJACENT PROPERTIES.

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS

	EXISTING IMPROVEMENTS TO BE REMOVED
	PROPERTY LINE
	CENTER LINE
	SILT FENCE
	SOIL TRACKING PREVENTION DEVICE
	TREE REMOVAL
	TREE PROTECTION



Stantec Consulting Services Inc.
 380 Park Place Boulevard, Suite 300
 Clearwater, Florida 33757 Tel: 727.531.3555
 www.stantec.com Fax: 727.431.1777
 Certificate of Authorization #27013
 FL Lic. F-LC-000170

APPLICATION TYPE: 14-000000-00-00
 LICENSEE PROFESSIONAL: BRYAN L. ZARLENKA, PE
 FL LICENSE NO. 027467

PROJECT: NEW O'REILLY AUTO PARTS STORE
 16728 S US HWY 441 SUMMERFIELD, FL 34491
 MARION COUNTY

SITE DEMOLITION PLAN

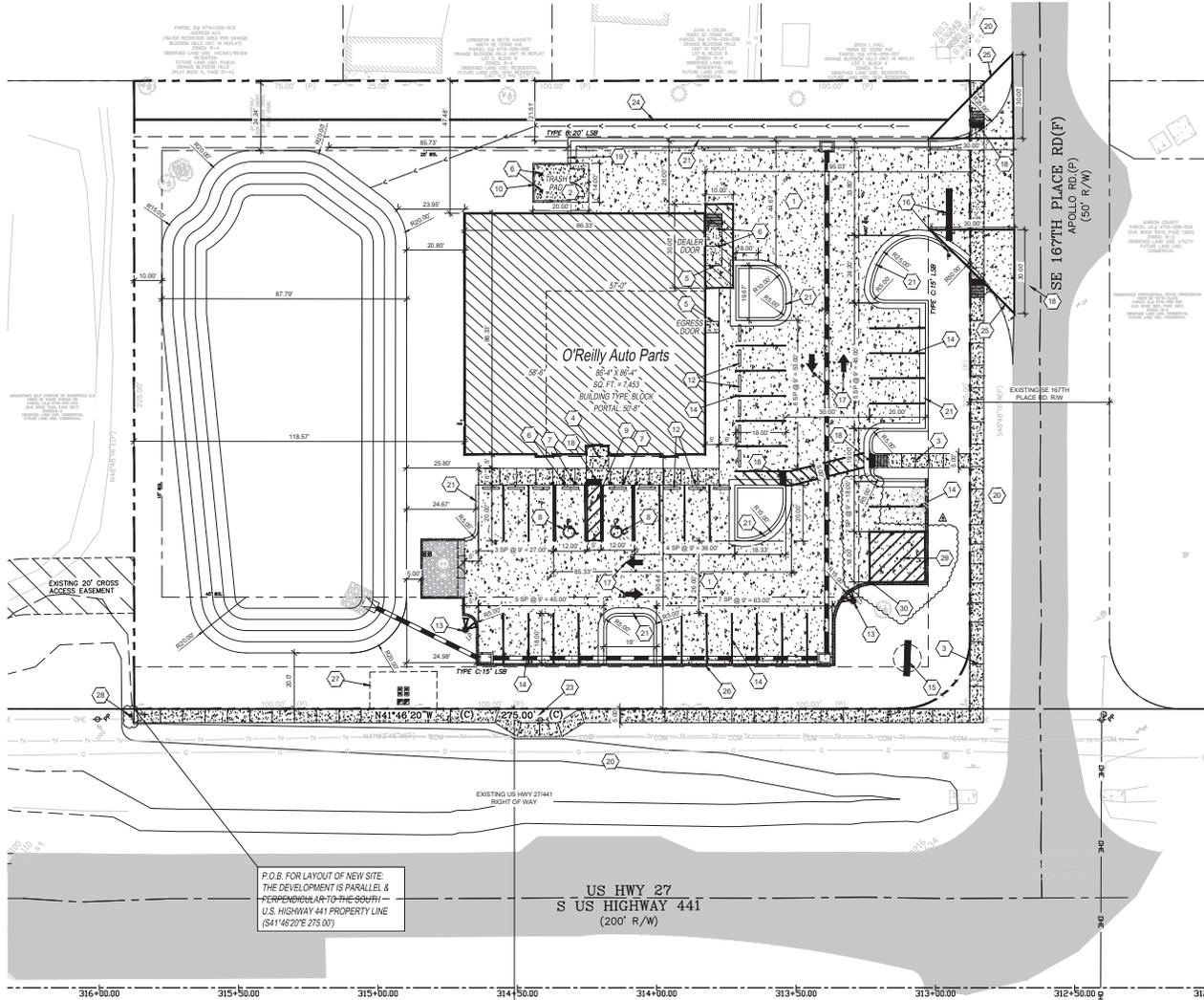
O'Reilly AUTO PARTS
 16728 S US HWY 441 SUMMERFIELD, FL 34491
 (813) 936-2879

DATE: 05/02/24
 REVISION: 01/12/24

PROJECT NUMBER: 23332 SM1
 SHEET NUMBER: C4 of 17

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
 www.callsunshine.com

© Copyright 2019 - Plans, drawings and specifications are instruments of service and are the property of the design professional. Reproduction prohibited without the expressed written consent of the design professional.



KEY NOTES:

- 1 CONCRETE PAVING. REFER TO DETAILS 209 & 603.
- 2 CONCRETE DUMPER PAD. REFER TO DETAIL 313.
- 3 CONCRETE SIDEWALK. REFER TO DETAIL 313 & 1003.
- 4 REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.
- 5 CONCRETE DOOR LANDING. REFER TO DETAIL 1503 AND STRUCTURAL DETAILS. RAMP PAVING AS INDICATED. LANDING CAN BE POURED MONOLITHIC IF CONCRETE PAVING IS USED.
- 6 STEEL BOLLARD. REFER TO DETAIL 1203. PROVIDE (1) AT TRASH PAD, (9) AT ENTRANCE, AND (1) AT DEALER DOOR. REFER TO STRUCTURAL PLAN FOR LOCATIONS.
- 7 HANDICAP PARKING SIGN. REFER TO DETAIL 303.
- 8 HANDICAP PARKING SYMBOL. REFER TO DETAIL 303.
- 9 HANDICAP ACCESS UNLOADING ZONE. SLOPE 2% MAX. EACH WAY AND STRIPE ADA COMPLIANT.
- 10 DUMPER/TALE ENCLOSURE. PER DETAILS T.C.11, 2011.
- 11 SCREEN FENCE GATE. REFER TO DETAIL 3011.
- 12 CONCRETE WHEEL STOP. TO 5FT LEVEL WITH PAVING. REFER TO DETAIL 703.
- 13 PARKING LOT LIGHTING. REFER TO UTILITIES SITE PLAN PER MEP FOR LOCATION AND TYPE.
- 14 STRIPING. PROVIDE 4' WIDE PARKING LOT STRIPING AS SHOWN (THERMOPLASTIC).
- 15 SIGN LOCATION. SIGN FURNISHED AND INSTALLED BY OWNER. REFER TO SITE SIGNAGE PLANS FOR DETAILS.
- 16 STOP SIGN AND PAVEMENT MARKINGS. (SEE FOOT INDEX 711-001) SIGN RT-1: 30"x36", 24" WIDE WHITE STOP BAR (THERMOPLASTIC).
- 17 DIRECTIONAL ARROW STRIPING. REFER TO DETAIL 303 (THERMOPLASTIC).
- 18 TRUNCATED CURBS. INSTALL TRUNCATED DORIES PER FOOT INDEX 522-002.
- 19 ROLL DOWN CURB. TERMINATE AND ROLL DOWN NEW CURB WHERE INDICATED. ROLL DOWN AT 1:2.
- 20 RESTORATION. DISTURBED AREAS IN THE RIGHT OF WAY TO BE SOODED PER FOOT SPECIFICATIONS 570 AND 581.
- 21 CONCRETE CURB. REFER TO DETAIL 1303.
- 22 CONCRETE CURB. REFER TO FOOT INDEX 520-001.
- 23 CONCRETE SIDEWALK. REFER TO FOOT INDEX 522-001.
- 24 PRIVACY BUFFER WALL. FURNISH AND INSTALL 4'00" LF PROPOSED 6" HIGH BUFFER WALL. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.
- 25 PEDESTRIAN SIGHT TRIANGLE. PER MARION COUNTY STANDARDS.
- 26 GRAVITY WALL. 33A LF FOOT GRAVITY. REFER TO FOOT INDEX 400-011 & GRADING PLAN (SHEET C6).
- 27 UTILITY EASEMENT. 15' BEYOND WATER METER/SP POTABLE WATER UTILITY EASEMENT PER MARION COUNTY UTILITIES.
- 28 SIDEWALK END SIGN. PER FOOT MUTCD. SEE 1403 FOR DETAIL.
- 29 PAVEMENT STRIPING. STRIPES STRANDARD THERMOPLASTIC PER FOOT STANDARD SPECIFICATIONS SECTION 711.
- 30 NO PARKING / FIRE DEPARTMENT ACCESS ONLY SIGN. PER FOOT MUTCD. SEE 1503 FOR DETAIL.

SITE DATA TABLE:

1. SITE ADDRESS:	16725 S US HWY 441 SUMMERFIELD, FL	
2. PID NO.:	4716-009-008	
3. GROSS SITE AREA:	67,366 SF (1.547 AC)	
4. EXISTING ZONING:	COMMUNITY BUSINESS (B-2)	
5. FUTURE LAND USE:	COMMERCIAL	
6. BUILDING SETBACKS (REQUIRED):	FRONT - 40' (US HIGHWAY 441) SIDE - 10' (COMMERCIAL) REAR - 20' (RESIDENTIAL)	
7. SITE AREA (EXISTING):	42 SF (0.1%) TOTAL IMPERVIOUS AREA PERVIOUS AREA POND AREA GROSS SITE AREA	67,324 SF (99.9%) 0 SF (0.0%) 67,366 SF (100.0%)
8. SITE AREA (PROPOSED):	ROOF AREA PAVEMENT AREA DRY DETENTION BOTTOM AREA PERVIOUS AREA TOTAL AREA	7,433 SF (11.0%) 20,730 SF (30.8%) 8,427 SF (12.5%) 30,712 SF (45.6%) 67,366 SF (100.0%)
9. FLOOR AREA RATIO	7,433 / 67,366 = 0.110 (11.0%)	
10. PARKING REQUIREMENTS:	1 STALL PER 300 SF OF GROSS FLOOR AREA PARKING SPACES REQUIRED: 25 SPACES PARKING SPACES PROVIDED: RECTANGULAR PARKING HANDICAP TOTAL PARKING SPACES PROVIDED	25 SPACES 3 SPACES 3 SPACES
11. FLOOD ZONE:	ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM, COMMUNITY PANEL NO. 12080300SD EFFECTIVE DATE: AUGUST 28, 2009, THE SUBJECT PROPERTY LIES IN ZONE X, AREAS OF MINIMAL FLOOD HAZARD.	
12. BASED ON PERMIT #16130-1, THE SUBJECT PROPERTY APPEARS TO BE WITHIN (OR CONTRIBUTING TO) A FLOOD PRONE AREA PER MARION COUNTY'S MARSHAL SWAMP WATER RESIST STUDY, WITH AN ESTABLISHED FLOOD ELEVATION OF 74.20 FEET.		
13. PER GEOTECHNICAL REPORT, GROUNDWATER WAS NOT ENCOUNTERED WITHIN THE UPPER 10 FEET.		
14. ALL MECHANICAL EQUIPMENT LOCATED ON THE ROOF SHALL BE SCREENED IN ACCORDANCE WITH ALL APPLICABLE MARION COUNTY REQUIREMENTS.		
15. BUILDING HEIGHT:	19 FT. - 0 IN	

GENERAL NOTES:

- A. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- B. ALL SITE DIMENSIONS TO THE GUTTER LINE OF CURB, CONCRETE OR PROPERTY LINE UNLESS OTHERWISE NOTED. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND STARTING CONSTRUCTION.
- C. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
- D. ANY EXISTING SIDEWALK IN DISREPAIR TO BE REPLACED.
- E. CONTRACTOR TO REPAIR / REPLACE DAMAGED SIDEWALK PER DETAIL 1003.
- F. SITE IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH MARION COUNTY, FOOT AND DRELLY CONSTRUCTION SPECIFICATIONS.
- G. PRIOR TO INSTALLATION, GENERAL CONTRACTOR TO CONFIRM THAT LIGHT POLES, LANDSCAPING AND UTILITIES DO NOT CONFLICT WITH SIGN LOCATION SHOWN. IF ANY POTENTIAL CONFLICT IS DISCOVERED, GENERAL CONTRACTOR TO CONTACT THE O'REILLY PROJECT ADMINISTRATOR BEFORE PROCEEDING.
- H. ALL RADE EQUAL, 5-FT UNLESS NOTED OTHERWISE.
- I. DELIVERIES ARE MANAGED BY O'REILLY AND WILL OCCUR AFTER BUSINESS HOURS.
- J. ALL DISTURBED AREAS IN THE ROW TO BE SOODED.
- K. TOTAL NUMBER OF EMPLOYEES = 10 (2-3 EMPLOYEES PER SHIFT)
- L. ALL AFFECTED SIDEWALKS, RAMPS AND CROSSWALKS WILL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.

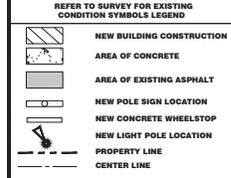
TRAFFIC STATEMENT:

PROPOSED TOTAL TRIPS GENERATED:

DESCRIPTION / ITE CODE	UNITS	TOTAL GENERATED TRIPS		
		DAILY	PM PEAK	PM IN
1. AUTOMOBILE PARTS SALES #43	7.5 x SF	461	45	12

THE O'REILLY AUTO PARTS SUMMERFIELD RETAIL STORE ANTICIPATED TOTAL DAILY TRIPS IS 461 BASED ON THE PROPOSED RETAIL AREA OF 7,433 SF.

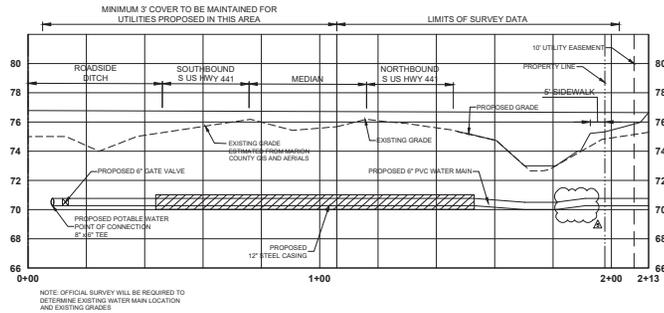
SYMBOLS LEGEND



APPLICATION TYPE: COMMERCIAL
 LICENSED PROFESSIONAL: BRYAN L. CARLENZA, P.E. FL LICENSE NO. 02167
 PROJECT: NEW O'REILLY AUTO PARTS STORE 16725 S US HWY 441 SUMMERFIELD, FL 34491 MARION COUNTY
 SITE DEVELOPMENT PLAN
 O'Reilly AUTO PARTS
 CORPORAION OFFICE: 380 PARK PLACE BOULEVARD, SUITE 300, CLEARWATER, FLORIDA 34615
 SPRINGFIELD, MISSOURI 65702
 (417) 868-2874 TELEPHONE
 (417) 868-2874 TELEPHONE
 DRAWN BY: JRL
 CHECKED BY: BLZ
 DATE: 05/02/24
 REVISION: 03/07/25
 01/13/24 03/16/25
 01/09/25 03/28/25
 PROJECT NUMBER: 23332 SM1
 SHEET NUMBER: C5 of 17
 © COPYRIGHT 2016 - DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.

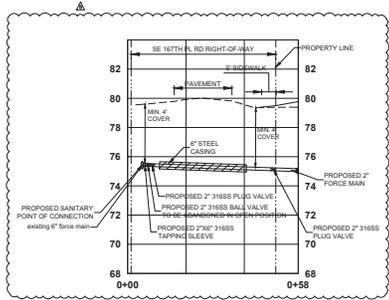
File Path: 48-0023-140-02-PM - Layout - Jamin
 File: U:\2\16103000\48-0023-140-02-PM - Layout - Jamin





NOTE: OFFICIAL SURVEY WILL BE REQUIRED TO DETERMINE EXISTING WATER MAIN LOCATION AND EXISTING GRADES

WATER MAIN CROSS SECTION
 VERTICAL SCALE: 1" = 4'
 HORIZONTAL SCALE: 1" = 20'



SANITARY SEWER FORCE MAIN CROSS SECTION
 VERTICAL SCALE: 1" = 4'
 HORIZONTAL SCALE: 1" = 20'

0 20' 40'

SYMBOLS LEGEND	
REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND	
	NEW BUILDING CONSTRUCTION
	AREA OF CONCRETE
	AREA OF EXISTING ASPHALT
	NEW POLE SIGN LOCATION
	NEW CONCRETE WHEELSTOP
	NEW LIGHT POLE LOCATION
	PROPERTY LINE
	CENTER LINE

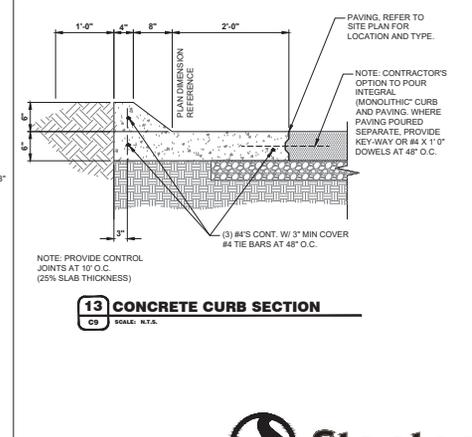
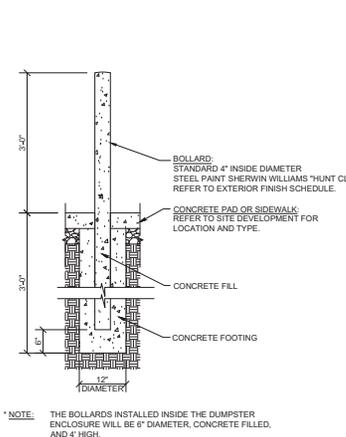
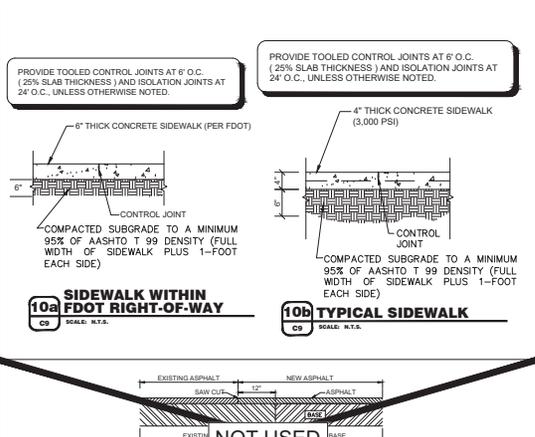
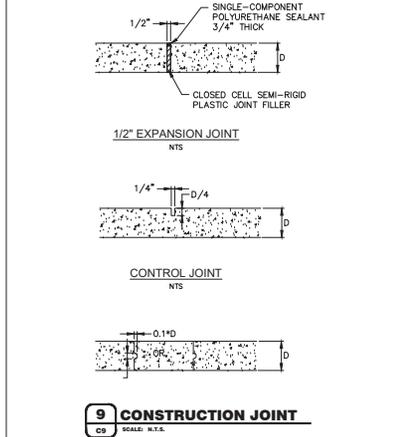
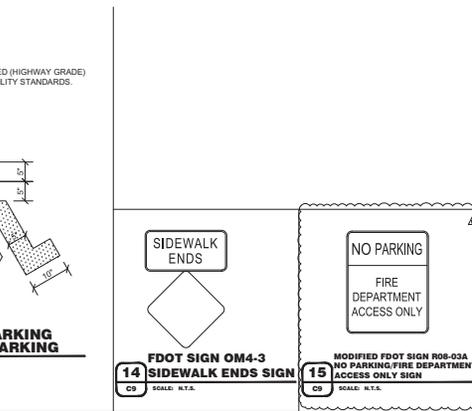
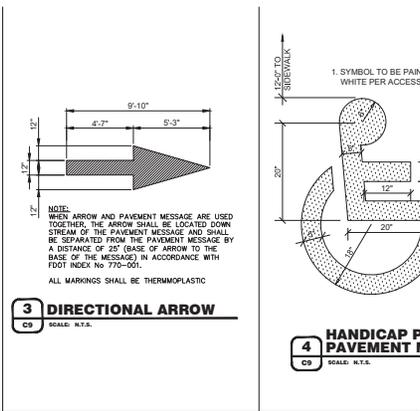
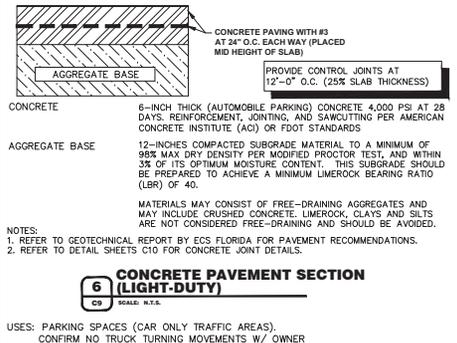
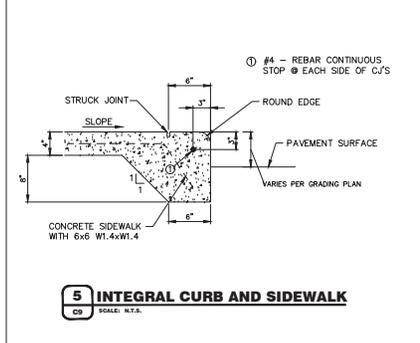
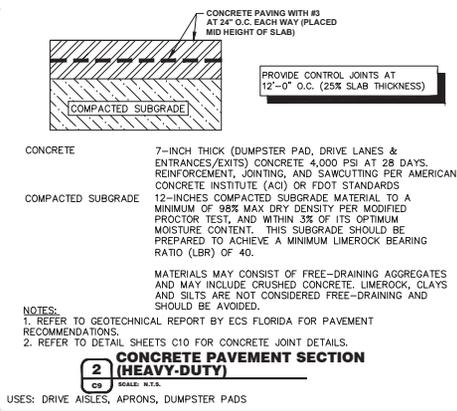
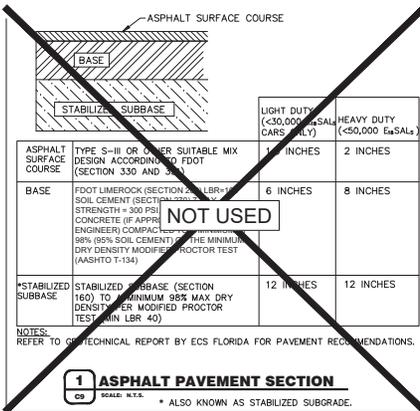
Stantec Consulting Services Inc.
 380 Park Place Boulevard, Suite 300
 Clearwater, Florida 33759 Tel: 727.251.3305
 www.stantec.com Fax: 727.431.1777
 Certificate of Authorization #27013
 FL Lic. # LC-0000170

APPLICATION TYPE: REVISION SHEET	
LICENSED PROFESSIONAL ENGINEER: I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL THE ENGINE REQUIREMENTS OF DEVELOPMENT CODE, EXCEPT AS INDICATED.	
DESIGN PROFESSIONAL: BRYAN L. ZARLENGA, STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 8862. THIS ITEM HAS BEEN DESIGNATED AS A DESIGN PROFESSIONAL BY BRYAN L. ZARLENGA, P.E. ON THE DATE INDICATED HEREIN.	
PRINTED COPIES OF THIS DOCUMENT MAY NOT BE REPRODUCED, STORED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM STANTEC CONSULTING SERVICES INC.	
DATE:	04/19/2025
DESIGNER:	BRYAN L. ZARLENGA, P.E. FL LICENSE NO. 82167
PROJECT: NEW O'REILLY AUTO PARTS STORE 16725 S US HWY 441 SUMMERFIELD, FL 34491 MARION COUNTY	
SITE UTILITY PLAN & PROFILES 2	
DRAW BY: JRL	CHECKED BY: BLZ
DATE: 05/02/24	
REVISION: Δ 12/13/24 Δ 03/28/25 Δ 03/07/25	
PROJECT NUMBER: 23332 SM1	
SHEET NUMBER: C8 of 17	

Plot Date: 4/20/25 3:18 PM; User: Jarama; File: U:\21061520\adawp\02\UTL.dwg; Plot: Utility (2)



© COPYRIGHT 2016 - DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.




APPLICATION TYPE: **REVISION**

DESIGNER: **STANTEC**

PROJECT: **NEW O'REILLY AUTO PARTS STORE**
16725 S US HWY 441 SUMMERFIELD, FL 34941
MARION COUNTY

O'Reilly AUTO PARTS
CORPORATE HEADQUARTERS
SPRINGFIELD, MASSACHUSETTS
(417) 866-2674 TELEPHONE

DATE: **05/02/24**

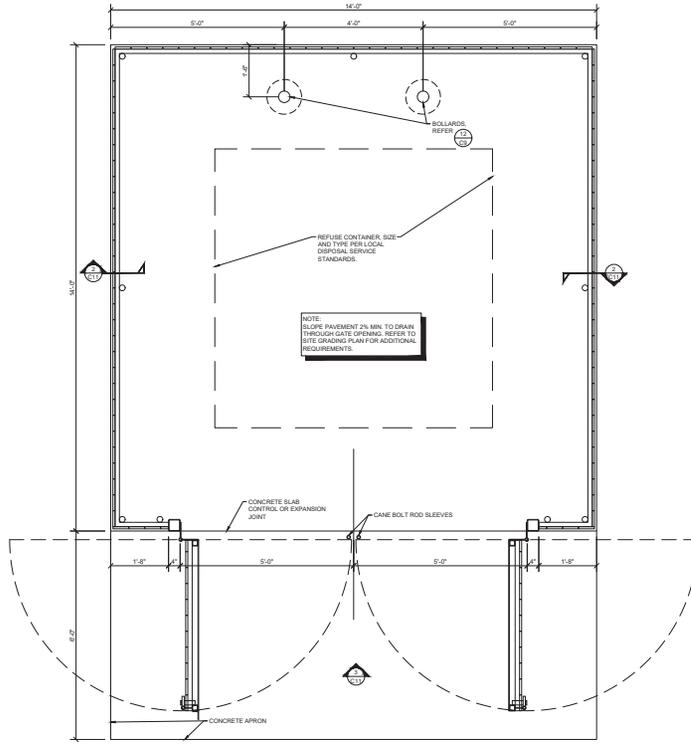
REVISION: **03/16/25**
03/28/25

PROJECT NUMBER: **23332 SM1**

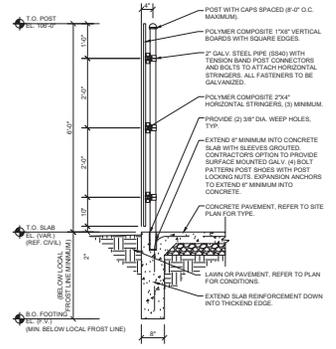
SHEET NUMBER: **C9 of 17**

Plot Stamp: 05/02/25, 3:42:04 PM - Lennex_Jamsh
 File: U:\18183\03\04\01\01\DETAILS.dwg, Tab: 04 of 1

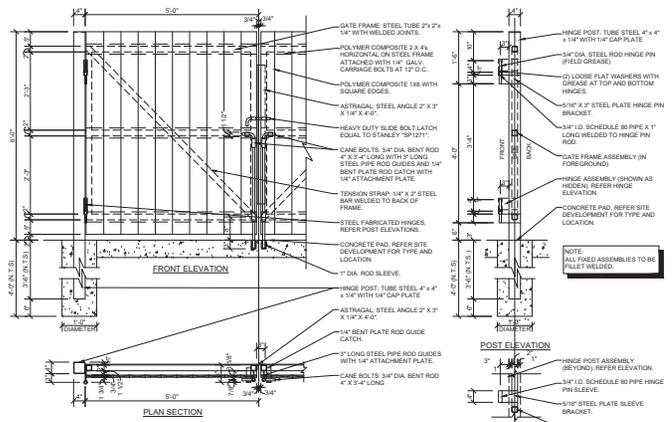
© COPYRIGHT 2016 - DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.



1 POLYMER COMPOSITE MATERIAL SCREEN FENCE REFUSE ENCLOSURE PLAN
 C11 P.O.D. 1/1/24



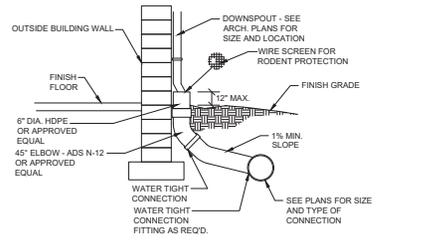
2 SCREEN FENCE SECTION
 C11 P.O.D. 1/1/24



3 SCREEN FENCE GATE DETAILS
 C11 P.O.D. 1/1/24

GENERAL NOTES

- 1. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- 2. DIMENSIONS ARE TO ROUGH FACE OF CONCRETE, FRAMING, OR CENTER LINE OF STRUCTURE UNLESS OTHERWISE INDICATED.
- 3. REFER TO ARCHITECTURAL EXTERIOR FINISH SCHEDULE FOR MATERIAL TYPES, COLORS, AND FINISHES, UNLESS OTHERWISE INDICATED. PROVIDE FINISHES AS FOLLOWS:
 - 1. ALL NON-GALVANIZED METAL PARTS TO BE PRIMED AND PAINTED (2) COATS SHERWIN WILLIAMS SW685 "HUNT CLUB".
 - 2. POLYMER COMPOSITE MATERIAL COLOR TO BE EQUAL TO LOUISIANA PACIFIC ELEMENTS ATLAS COLLECTION, SERIES "PORTLAND STORM" OR MIDWEST MANUFACTURING - ULTRATRACK "RED".



4 DOWNSPOUT COLLECTION DETAIL
 C11 P.O.D. 1/1/24



APPLICATION TYPE: SITE DEVELOPMENT

DESIGN PROFESSIONAL: BRYAN L. ZARLENA, P.E. FL LICENSE NO. 62167

PROJECT: NEW O'REILLY AUTO PARTS STORE 16728 S US HWY 441 SUMMERFIELD, FL 34491 MARION COUNTY

SITE DEVELOPMENT DETAILS 3

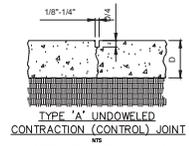
DATE: 05/02/24

REVISION:

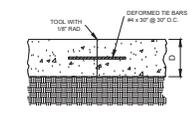
PROJECT NUMBER: 23332 SM1

SHEET NUMBER: C11 of 17

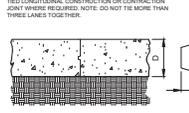
Copyright 2016 - Designs, Drawings and Specifications are Instruments of Service and are the Property of the Design Professional. Reproduction Prohibited Without the Express Written Consent of the Design Professional.



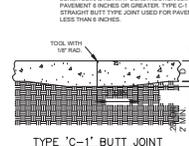
TYPE 'A' UNDOWNLED CONTRACTION (CONTROLLED) JOINT
MIS



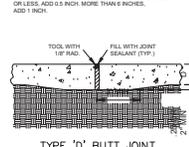
TYPE 'B' TIED JOINT
MIS



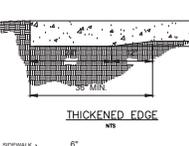
TYPE 'C' CONSTRUCTION JOINT
MIS



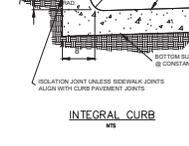
TYPE 'C-1' BUTT JOINT
MIS



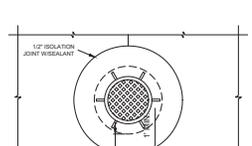
TYPE 'D' BUTT JOINT
MIS



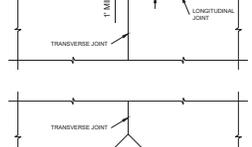
THICKENED EDGE
MIS



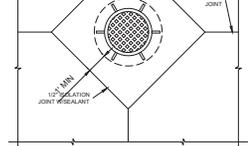
INTEGRAL CURB
MIS



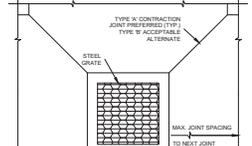
JOINTS AT INLETS
MIS



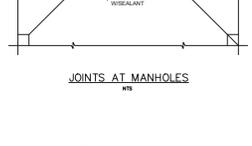
JOINTS AT MANHOLES
MIS



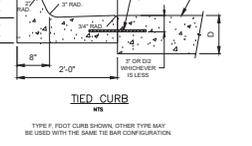
JOINTS AT MANHOLES
MIS



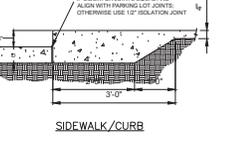
JOINTS AT MANHOLES
MIS



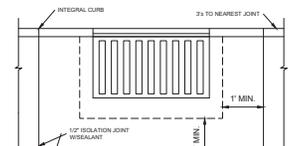
JOINTS AT MANHOLES
MIS



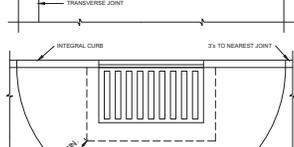
TIED CURB
MIS



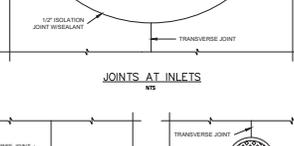
SIDEWALK/CURB
MIS



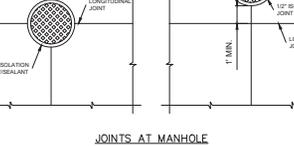
JOINTS AT INLETS
MIS



JOINTS AT INLETS
MIS



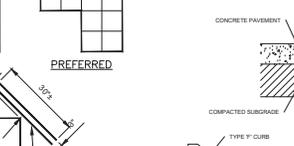
JOINTS AT INLETS
MIS



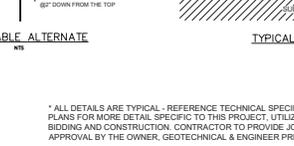
JOINTS AT INLETS
MIS



JOINTS AT INLETS
MIS



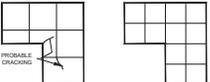
JOINTS AT INLETS
MIS



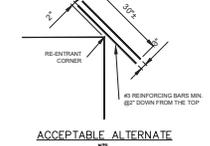
JOINTS AT INLETS
MIS

TYPE JOINT DETAILS
MIS

A. DOWNLED OR UNDOWNLED
B. TIED
C. CONSTRUCTION WITH KEYWAY
D. BUTT
E. ISOLATION
D-1 ISOLATION WITH DOWEL



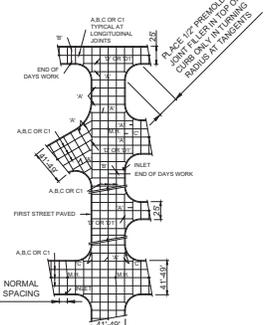
WRONG PREFERRED



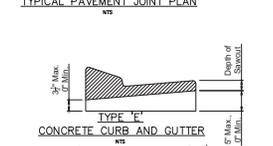
ACCEPTABLE ALTERNATE
MIS



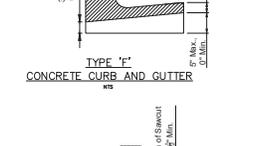
TYPICAL SECTIONS
MIS



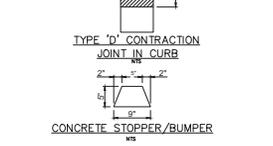
TYPICAL PAVEMENT JOINT PLAN
MIS



TYPE 'E' CONCRETE CURB AND GUTTER
MIS

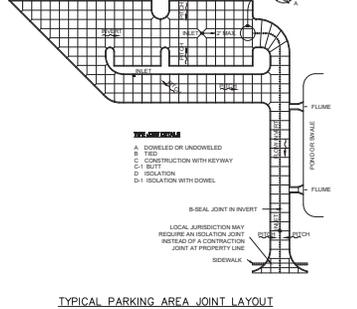


TYPE 'F' CONCRETE CURB AND GUTTER
MIS



CONCRETE STOPPER/BUMPER
MIS

RECOMMENDED MAX. JOINT SPACINGS	RECOMMENDED MAXIMUM JOINT SPACING (FEET)
3.5 (FOR MITTERRING ONLY)	6
4.0	10
4.5	10
5.0	12
5.5	12
6.0	15
OVER 6.0	15



TYPICAL PARKING AREA JOINT LAYOUT
MIS

GENERAL NOTES:

- USE ACI OR FCMA CERTIFIED PLATWORK FINISHER
- USE ACI 308-R-01 GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS
- USE ACI 308.1R-14 STANDARD SPECIFICATION FOR PLAIN CONCRETE PARKING LOTS
- ALL CONCRETE USED IN PARKING LOT, UNLESS OTHERWISE INDICATED, SHALL HAVE A COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
- PREPARE THE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR ROAD PAVEMENTS. SUBGRADE SOIL DENSITY TESTING MUST BE COMPLETED AND VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
- IMPORTED SOIL USE FOR BACK FILL SHOULD BE FREE OF HEAVY CLAY, SILTS, STONES, PLANT ROOT OR OTHER FOREIGN MATERIAL, GREATER THAN 1/4" IN DIAMETER IN ORDER TO ACHIEVE ADEQUATE COMPACTION AROUND ANY FIXED OBJECT IN GROUND. ALTERNATE WILL BE TO USE FLOWABLE FILL.
- LAYOUT CONTROL JOINT BY STARTING WITH ANY DRAINAGE INLET WITHIN THE PAVEMENT SECTION AND WORK TOWARD EDGE OF PAVEMENT
- KEEP ALL JOINTS CONTINUOUS
- CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 12 HOURS FROM TIME OF PLACEMENT:
 - SIDEWALK-SPACING SHALL BE SAME AS WIDTH OF PAVEMENT AND LESS THAN 5 FEET IN LENGTH
 - PAVEMENT-MAXIMUM SPACING SHALL BE 2.5 TIMES THICKNESS IN UNIT OF FEET AND LESS THAN 15 FEET IN LENGTH (E.G. 1.4 INCH SPACING AT 10"V)
- CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: WATER, PIGMENTED WATER-BASED CURING COMPOUND OR VIOLENEAN AND BULSAP
- ALL DETAILS ARE TYPICAL - REFERENCE TECHNICAL SPECIFICATIONS, FDOT SPECS/INDEXES, AND DESIGN PLANS FOR MORE DETAIL SPECIFIC TO THIS PROJECT. UTILIZING MOST STRINGENT STANDARDS FOR BIDDING AND CONSTRUCTION. CONTRACTOR TO PROVIDE JOINT LAYOUT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE OWNER, GEOTECHNICAL & ENGINEER PRIOR TO INSTALLATION.

CURBS:

- ALL CURBSHALL BE CONSTRUCTED OF CONCRETE THAT WILL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
- ALL CONCRETE CURBS SHALL BE SPACED WITH A FULL-DEPTH, 1/2" WIDTH ISOLATION JOINT MATERIAL PRIOR TO PLACEMENT OF ADJACENT CONCRETE PAVEMENT.
- THERE SHALL BE CONTROL JOINTS, EITHER TOOL OR SAW-CUT, MATCH PAVEMENT JOINTS, UNLESS OTHERWISE SPECIFIED. JOINTS SHALL BE FORMED WITHIN 12 HOURS OF PLACEMENT.
- ALL CURB ENDS THAT DO NOT TIE INTO OTHER FACILITIES SHALL TRANSFER DOWN TO PAVEMENT.
- GRADE IN 24 INCHES CONSTRUCTION JOINT SHALL BE TIED WITH A No.4 TIE BAR EXTENDING 6 INCHES INTO EACH CURB SECTION AND SHALL BE SPACED WITH A FULL-DEPTH 1/2" WIDTH ISOLATION JOINT MATERIAL.

PK: Bama - J40222 2/17/16 - Laramie, Jason
File: U:\161630\roadway\GCD\DETAILS.dwg, Title: Concrete

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
www.call811.com

* ALL DETAILS ARE TYPICAL - REFERENCE TECHNICAL SPECIFICATIONS, FDOT SPECS/INDEXES, AND DESIGN PLANS FOR MORE DETAIL SPECIFIC TO THIS PROJECT, UTILIZING MOST STRINGENT STANDARDS FOR BIDDING AND CONSTRUCTION. CONTRACTOR TO PROVIDE JOINT LAYOUT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE OWNER, GEOTECHNICAL & ENGINEER PRIOR TO INSTALLATION.

Stantec
Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Channahon, Illinois 61019-3079 | Tel: 727.251.3335
www.stantec.com | Fax: 727.431.1777
Certificate of Authorization #27013
FL Lic. # LC-000170

APPLICATION TYPE: PROFESSIONAL
LICENSED PROFESSIONAL
I HEREBY CERTIFY THAT THESE PLANS AND CALCULATIONS WERE COMPLETED IN ACCORDANCE WITH ALL THE SAME REQUIREMENTS OF DEVELOPMENT CODE, EXCEPT AS NOTED.
BRYAN L. ZARLENKA, P.E.
FL LICENSE NO. 02167
PROJECT: NEW O'REILLY AUTO PARTS STORE
16728 S US HWY 441 SUMMERFIELD, FL 34491
MARION COUNTY
CONCRETE DETAILS
O'Reilly AUTO PARTS
CORPORATE OFFICE: SPRINGFIELD, MISSOURI 65706
(417) 863-8274 TELEPHONE
DRAWN BY: JRL
CHECKED BY: BLZ
DATE: 05/02/24
REVISION:
PROJECT NUMBER: 23332 SM1
SHEET NUMBER: C12 of 17

GENERAL NOTES:

1. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
2. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
3. For manholes or catch basins, provide drainage channels and other features as shown with minimum dimensions of 1/2" for 1/2" and 1/4" for 1/4" manholes. See Table 1 for details.
4. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
5. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
6. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
7. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
8. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.

TABLE OF CONTENTS:

Sheet	Description	Notes
1	Standard Plans	1 of 8
2	Supplementary Details for Drainage Structures	2 of 8
3	Structure Bottoms Types A and B	2 of 4
4	Ditch Bottom Inlet Types F and G	2 of 4
5	Dimensional and Reinforcing Details	1 of 4
6	Concrete Apron and Soded Area Details	4 of 4
7	Cross Drain Mitered End Section	1 of 4

DATE: 05/02/24
 REVISION: 1
 PROJECT: FY 2023-24 STANDARD PLANS
 SHEET: 1 of 8
 DRAWN BY: JRL
 CHECKED BY: BLZ

GENERAL NOTES:

1. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
2. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
3. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
4. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
5. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
6. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
7. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
8. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.

TABLE OF CONTENTS:

Sheet	Description	Notes
1	Standard Plans	1 of 8
2	Supplementary Details for Drainage Structures	2 of 8
3	Structure Bottoms Types A and B	2 of 4
4	Ditch Bottom Inlet Types F and G	2 of 4
5	Dimensional and Reinforcing Details	1 of 4
6	Concrete Apron and Soded Area Details	4 of 4
7	Cross Drain Mitered End Section	1 of 4

DATE: 05/02/24
 REVISION: 1
 PROJECT: FY 2023-24 STANDARD PLANS
 SHEET: 2 of 8
 DRAWN BY: JRL
 CHECKED BY: BLZ

GENERAL NOTES:

1. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
2. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
3. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
4. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
5. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
6. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
7. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
8. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.

TABLE OF CONTENTS:

Sheet	Description	Notes
1	Standard Plans	1 of 8
2	Supplementary Details for Drainage Structures	2 of 8
3	Structure Bottoms Types A and B	2 of 4
4	Ditch Bottom Inlet Types F and G	2 of 4
5	Dimensional and Reinforcing Details	1 of 4
6	Concrete Apron and Soded Area Details	4 of 4
7	Cross Drain Mitered End Section	1 of 4

DATE: 05/02/24
 REVISION: 1
 PROJECT: FY 2023-24 STANDARD PLANS
 SHEET: 3 of 8
 DRAWN BY: JRL
 CHECKED BY: BLZ

GENERAL NOTES:

1. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
2. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
3. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
4. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
5. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
6. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
7. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.
8. See Table 1 for details. The Slope must be applied for the Full Flow, except where noted.

TABLE OF CONTENTS:

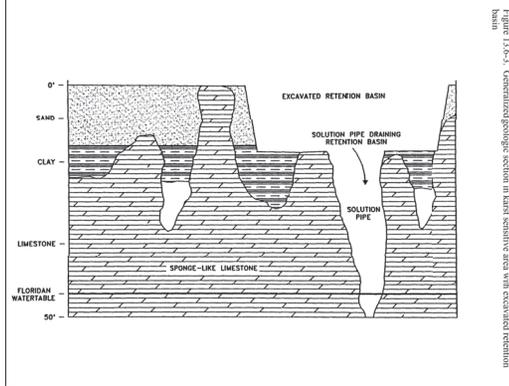
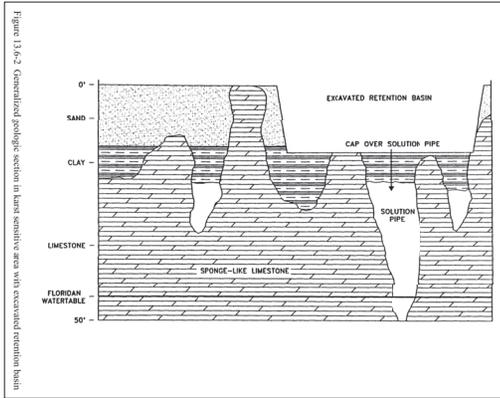
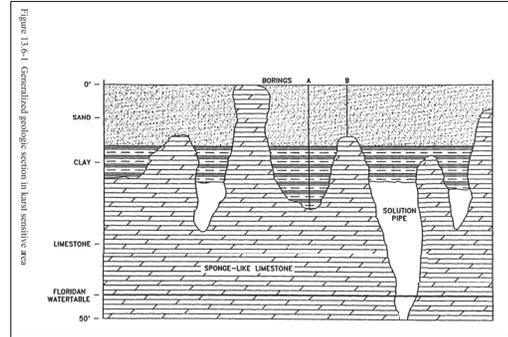
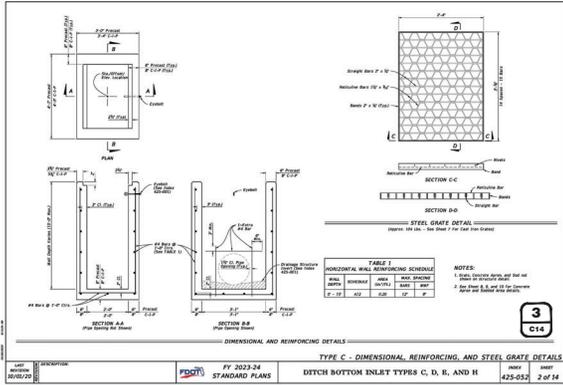
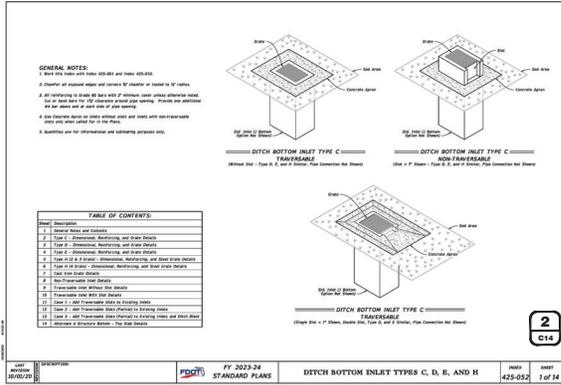
Sheet	Description	Notes
1	Standard Plans	1 of 8
2	Supplementary Details for Drainage Structures	2 of 8
3	Structure Bottoms Types A and B	2 of 4
4	Ditch Bottom Inlet Types F and G	2 of 4
5	Dimensional and Reinforcing Details	1 of 4
6	Concrete Apron and Soded Area Details	4 of 4
7	Cross Drain Mitered End Section	1 of 4

DATE: 05/02/24
 REVISION: 1
 PROJECT: FY 2023-24 STANDARD PLANS
 SHEET: 4 of 8
 DRAWN BY: JRL
 CHECKED BY: BLZ

TABLE 1 WEIGHT OF CASTINGS (lb)

TYPE	1/4" COVER	1/2" COVER
1	100	120
2	150	180
3	200	240
4	250	300
5	300	360
6	350	420
7	400	480
8	450	540
9	500	600
10	550	660
11	600	720
12	650	780
13	700	840
14	750	900
15	800	960
16	850	1020
17	900	1080
18	950	1140
19	1000	1200
20	1050	1260
21	1100	1320
22	1150	1380
23	1200	1440
24	1250	1500
25	1300	1560
26	1350	1620
27	1400	1680
28	1450	1740
29	1500	1800
30	1550	1860
31	1600	1920
32	1650	1980
33	1700	2040
34	1750	2100
35	1800	2160
36	1850	2220
37	1900	2280
38	1950	2340
39	2000	2400
40	2050	2460
41	2100	2520
42	2150	2580
43	2200	2640
44	2250	2700
45	2300	2760
46	2350	2820
47	2400	2880
48	2450	2940
49	2500	3000
50	2550	3060
51	2600	3120
52	2650	3180
53	2700	3240
54	2750	3300
55	2800	3360
56	2850	3420
57	2900	3480
58	2950	3540
59	3000	3600
60	3050	3660
61	3100	3720
62	3150	3780
63	3200	3840
64	3250	3900
65	3300	3960
66	3350	4020
67	3400	4080
68	3450	4140
69	3500	4200
70	3550	4260
71	3600	4320
72	3650	4380
73	3700	4440
74	3750	4500
75	3800	4560
76	3850	4620
77	3900	4680
78	3950	4740
79	4000	4800
80	4050	4860
81	4100	4920
82	4150	4980
83	4200	5040
84	4250	5100
85	4300	5160
86	4350	5220
87	4400	5280
88	4450	5340
89	4500	5400
90	4550	5460
91	4600	5520
92	4650	5580
93	4700	5640
94	4750	5700
95	4800	5760
96	4850	5820
97	4900	5880
98	4950	5940
99	5000	6000
100	5050	6060
101	5100	6120
102	5150	6180
103	5200	6240
104	5250	6300
105	5300	6360
106	5350	6420
107	5400	6480
108	5450	6540
109	5500	6600
110	5550	6660
111	5600	6720
112	5650	6780
113	5700	6840
114	5750	6900
115	5800	6960
116	5850	7020
117	5900	7080
118	5950	7140
119	6000	7200
120	6050	7260
121	6100	7320
122	6150	7380
123	6200	7440
124	6250	7500
125	6300	7560
126	6350	7620
127	6400	7680
128	6450	7740
129	6500	7800
130	6550	7860
131	6600	7920
132	6650	7980
133	6700	8040
134	6750	8100
135	6800	8160
136	6850	8220
137	6900	8280
138	6950	8340
139	7000	8400
140	7050	8460
141	7100	8520
142	7150	8580
143	7200	8640
144	7250	8700
145	7300	8760
146	7350	8820
147	7400	8880
148	7450	8940
149	7500	9000
150	7550	9060
151	7600	9120
152	7650	9180
153	7700	9240
154	7750	9300
155	7800	9360
156	7850	9420
157	7900	9480
158	7950	9540
159	8000	9600
160	8050	9660
161	8100	9720
162	8150	9780
163	8200	9840
164	8250	9900
165	8300	9960
166	8350	10020
167	8400	10080
168	8450	10140
169	8500	10200
170	8550	10260
171	8600	10320
172	8650	10380
173	8700	10440
174	8750	10500
175	8800	10560
176	8850	10620
177	8900	10680
178	8950	10740
179	9000	10800
180	9050	10860
181	9100	10920
182	9150	10980
183	9200	11040
184	9250	11100
185	9300	11160
186	9350	11220
187	9400	11280
188	9450	11340
189	9500	11400
190	9550	11460
191	9600	11520
192	9650	11580
193	9700	11640
194	9750	11700
195	9800	11760
196	9850	11820
197	9900	11880
198	9950	11940
199	10000	12000
200	10050	12060
201	10100	12120
202	10150	12180
203	10200	12240
204	10250	12300
205	10300	12360
206	10350	12420
207	10400	12480
208	10450	12540
209	10500	12600
210	10550	12660
211	10600	12720
212	10650	12780
213	10700	12840
214	10750	12900
215	10800	12960
216	10850	13020
217	10900	13080
218	10950	13140
219	11000	13200
220	11050	13260
221	11100	13320
222	11150	13380
223	11200	13440
224	11250	13500
225	11300	13560
226	11350	13620
227	11400	13680
228	11450	13740
229	11500	13800
230	11550	13860
231	11600	13920
232	11650	13980
233	11700	14040
234	11750	14100
235	11800	14160
236	11850	14220
237	11900	14280
238	11950	14340
239	12000	14400
240	12050	14460
241	12100	14520
242	12150	14580
243	12200	14640
244	12250	14700
245	12300	14760
246	12350	14820
247	12400	14880
248	12450	14940
249	12500	15000
250	12550	15060
251	12600	15120
252	12650	15180
253	12700	15240
254	12750	15300
255	12800	15360
256	12850	15420
257	12900	15480
258	12950	15540
259	13000	156

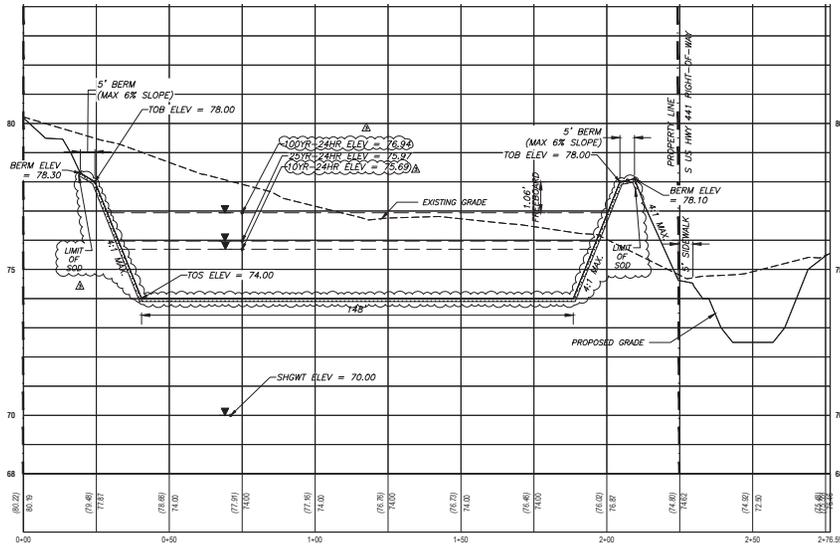
TABLE 1 SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES													
Pipe Size (in.)	Pipe Length (ft)	Type A				Type B				Type C			
		Qty	Vol (cu yd)	Area (sq ft)	Perim (ft)	Qty	Vol (cu yd)	Area (sq ft)	Perim (ft)	Qty	Vol (cu yd)	Area (sq ft)	Perim (ft)
18	10	1	0.001	10.0	10.0	1	0.001	10.0	10.0	1	0.001	10.0	10.0
18	20	2	0.002	20.0	20.0	2	0.002	20.0	20.0	2	0.002	20.0	20.0
18	30	3	0.003	30.0	30.0	3	0.003	30.0	30.0	3	0.003	30.0	30.0
18	40	4	0.004	40.0	40.0	4	0.004	40.0	40.0	4	0.004	40.0	40.0
18	50	5	0.005	50.0	50.0	5	0.005	50.0	50.0	5	0.005	50.0	50.0
18	60	6	0.006	60.0	60.0	6	0.006	60.0	60.0	6	0.006	60.0	60.0
18	70	7	0.007	70.0	70.0	7	0.007	70.0	70.0	7	0.007	70.0	70.0
18	80	8	0.008	80.0	80.0	8	0.008	80.0	80.0	8	0.008	80.0	80.0
18	90	9	0.009	90.0	90.0	9	0.009	90.0	90.0	9	0.009	90.0	90.0
18	100	10	0.010	100.0	100.0	10	0.010	100.0	100.0	10	0.010	100.0	100.0
24	10	1	0.002	10.0	10.0	1	0.002	10.0	10.0	1	0.002	10.0	10.0
24	20	2	0.004	20.0	20.0	2	0.004	20.0	20.0	2	0.004	20.0	20.0
24	30	3	0.006	30.0	30.0	3	0.006	30.0	30.0	3	0.006	30.0	30.0
24	40	4	0.008	40.0	40.0	4	0.008	40.0	40.0	4	0.008	40.0	40.0
24	50	5	0.010	50.0	50.0	5	0.010	50.0	50.0	5	0.010	50.0	50.0
24	60	6	0.012	60.0	60.0	6	0.012	60.0	60.0	6	0.012	60.0	60.0
24	70	7	0.014	70.0	70.0	7	0.014	70.0	70.0	7	0.014	70.0	70.0
24	80	8	0.016	80.0	80.0	8	0.016	80.0	80.0	8	0.016	80.0	80.0
24	90	9	0.018	90.0	90.0	9	0.018	90.0	90.0	9	0.018	90.0	90.0
24	100	10	0.020	100.0	100.0	10	0.020	100.0	100.0	10	0.020	100.0	100.0
30	10	1	0.003	10.0	10.0	1	0.003	10.0	10.0	1	0.003	10.0	10.0
30	20	2	0.006	20.0	20.0	2	0.006	20.0	20.0	2	0.006	20.0	20.0
30	30	3	0.009	30.0	30.0	3	0.009	30.0	30.0	3	0.009	30.0	30.0
30	40	4	0.012	40.0	40.0	4	0.012	40.0	40.0	4	0.012	40.0	40.0
30	50	5	0.015	50.0	50.0	5	0.015	50.0	50.0	5	0.015	50.0	50.0
30	60	6	0.018	60.0	60.0	6	0.018	60.0	60.0	6	0.018	60.0	60.0
30	70	7	0.021	70.0	70.0	7	0.021	70.0	70.0	7	0.021	70.0	70.0
30	80	8	0.024	80.0	80.0	8	0.024	80.0	80.0	8	0.024	80.0	80.0
30	90	9	0.027	90.0	90.0	9	0.027	90.0	90.0	9	0.027	90.0	90.0
30	100	10	0.030	100.0	100.0	10	0.030	100.0	100.0	10	0.030	100.0	100.0
36	10	1	0.004	10.0	10.0	1	0.004	10.0	10.0	1	0.004	10.0	10.0
36	20	2	0.008	20.0	20.0	2	0.008	20.0	20.0	2	0.008	20.0	20.0
36	30	3	0.012	30.0	30.0	3	0.012	30.0	30.0	3	0.012	30.0	30.0
36	40	4	0.016	40.0	40.0	4	0.016	40.0	40.0	4	0.016	40.0	40.0
36	50	5	0.020	50.0	50.0	5	0.020	50.0	50.0	5	0.020	50.0	50.0
36	60	6	0.024	60.0	60.0	6	0.024	60.0	60.0	6	0.024	60.0	60.0
36	70	7	0.028	70.0	70.0	7	0.028	70.0	70.0	7	0.028	70.0	70.0
36	80	8	0.032	80.0	80.0	8	0.032	80.0	80.0	8	0.032	80.0	80.0
36	90	9	0.036	90.0	90.0	9	0.036	90.0	90.0	9	0.036	90.0	90.0
36	100	10	0.040	100.0	100.0	10	0.040	100.0	100.0	10	0.040	100.0	100.0
42	10	1	0.005	10.0	10.0	1	0.005	10.0	10.0	1	0.005	10.0	10.0
42	20	2	0.010	20.0	20.0	2	0.010	20.0	20.0	2	0.010	20.0	20.0
42	30	3	0.015	30.0	30.0	3	0.015	30.0	30.0	3	0.015	30.0	30.0
42	40	4	0.020	40.0	40.0	4	0.020	40.0	40.0	4	0.020	40.0	40.0
42	50	5	0.025	50.0	50.0	5	0.025	50.0	50.0	5	0.025	50.0	50.0
42	60	6	0.030	60.0	60.0	6	0.030	60.0	60.0	6	0.030	60.0	60.0
42	70	7	0.035	70.0	70.0	7	0.035	70.0	70.0	7	0.035	70.0	70.0
42	80	8	0.040	80.0	80.0	8	0.040	80.0	80.0	8	0.040	80.0	80.0
42	90	9	0.045	90.0	90.0	9	0.045	90.0	90.0	9	0.045	90.0	90.0
42	100	10	0.050	100.0	100.0	10	0.050	100.0	100.0	10	0.050	100.0	100.0



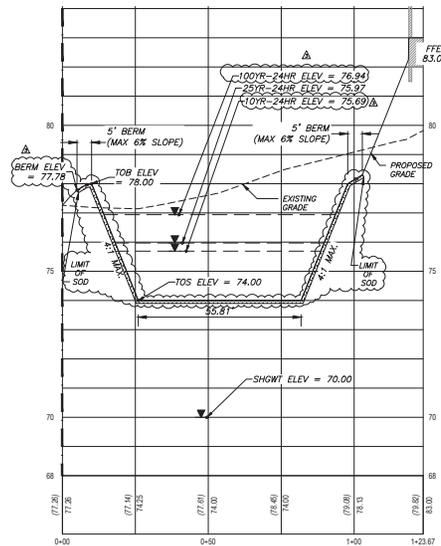
4 SENSITIVE KARST AREAS - CROSS SECTIONS
SOURCE: ENVIRONMENTAL RESOURCE PERMIT APPLICANT'S HANDBOOK, VOLUME II



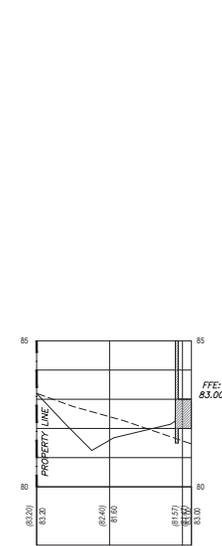
APPLICATION TYPE: STANDARD PLAN
DESIGNER: BRYAN L. ZARLENGA, P.E. FL LICENSE NO. 62167
PROJECT: NEW O'REILLY AUTO PARTS STORE 16725 S US HWY 441 SUMMERFIELD, FL 34491 MARION COUNTY
SITE STORMWATER DETAILS 2
O'Reilly AUTO PARTS CORPORATION 10000 W. US HWY 441 SUMMERFIELD, FL 34491 (407) 886-2874 TELEPHONE
DRAWN BY: JRL CHECKED BY: BLZ
DATE: 05/02/24
REVISION: 05/13/24
PROJECT NUMBER: 23332 SM1
SHEET NUMBER: C14 of 17



CROSS SECTION CSA (POND)



CROSS SECTION CSB (POND)



CROSS SECTION CSC

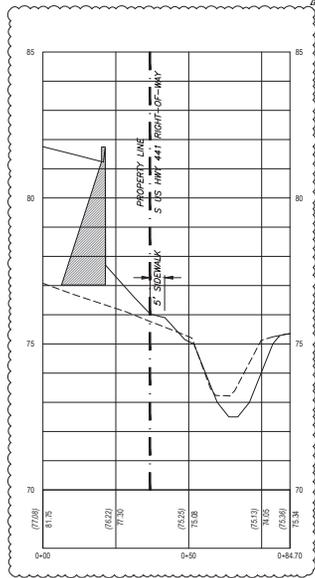
NOTE:

A MINIMUM OF THREE FEET OF UNCONSOLIDATED SOIL MATERIAL SHALL BE PROVIDED BETWEEN THE SURFACE OF ANY LIMESTONE BEDROCK AND THE BOTTOM AND SIDES OF ANY STORMWATER FACILITY.

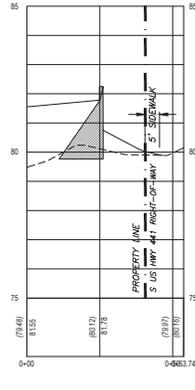
POST-DEVELOPMENT:

DRAINAGE BASIN AREA = 1.55 ACRES
 CURVE NUMBER = 70
 STORMWATER POND TOP OF BANK = 78.00'
 STORMWATER POND TOE OF SLOPE = 74.00'
 SEASONAL HIGH WATER ELEVATION = 75.00'
 10-YR 24-HR DESIGN STAGE ELEVATION = 75.65'
 100-YR 24-HR DESIGN STAGE ELEVATION = 76.94'
 10-YR 24-HR DESIGN STAGE ELEVATION = 76.09'

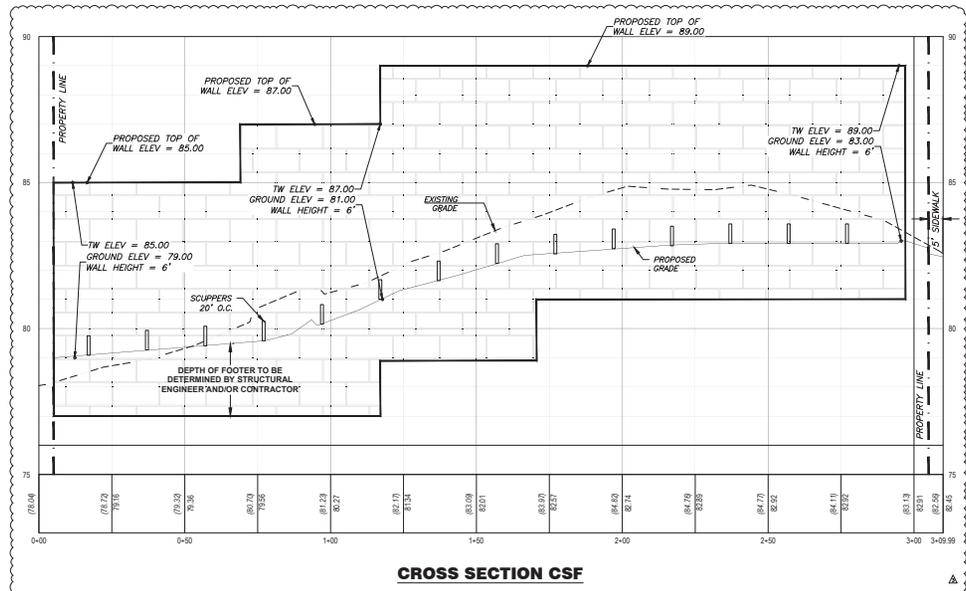
SYMBOLS LEGEND	
	DESIGN HIGH ELEVATION



CROSS SECTION CSD



CROSS SECTION CSE



CROSS SECTION CSF

1 CROSS SECTIONS
SCALE: 1"=2' VERTICAL, 1"=20' HORIZONTAL

APPLICATION TYPE:
 RESUBMITTAL
 LICENSEE PROFESSIONAL:
 CERTIFICATE:
 LICENSEE CERTIFY THAT THESE
 PLANS AND CALCULATIONS WERE
 COMPLETED IN ACCORDANCE WITH
 ALL APPLICABLE REQUIREMENTS OF
 DEVELOPMENT CODE, EXCEPT AS
 INDICATED.
 SPECIAL JURISDICTION STATE OF
 FLORIDA - PROFESSIONAL ENGINEER
 LICENSE NO. 5892. THIS ITEM HAS BEEN
 REVIEWED AND APPROVED BY THE
 SPECIAL JURISDICTION PER IN THE DATE
 INDICATED HERE:
 PRINTED COPIES OF THIS DOCUMENT
 MAY NOT BE REPRODUCED OR TRANSMITTED
 IN ANY FORM OR BY ANY MEANS, ELECTRONIC
 OR MECHANICAL, WITHOUT PERMISSION
 VERIFIED ON ANY ELECTRICAL CODE



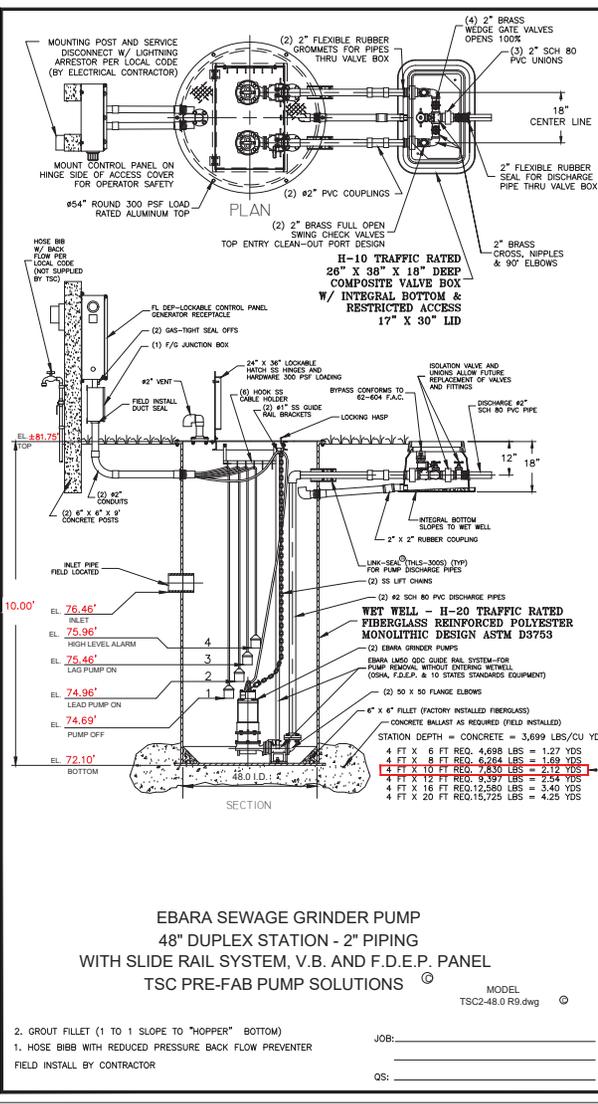
PROJECT:
NEW O'REILLY AUTO PARTS STORE
 16728 S US HWY 441 SUMMERFIELD, FL 34491
 MARION COUNTY



DRAWN BY: JRL
 CHECKED BY:
 DATE: 05/02/24
 REVISION:
 1 05/13/24
 2 03/07/25
 PROJECT NUMBER:
 23332 SM1
 SHEET NUMBER:

PKC Stamp: 04/02/2025 2:28:31 PM, Laramie, Jamin, File: U:\0106\1000\main\AW\02\02\ALS\Swp_Tile_Cross Sections





**EBARA SEWAGE GRINDER PUMP
48" DUPLEX STATION - 2" PIPING
WITH SLIDE RAIL SYSTEM, V.B. AND F.D.E.P. PANEL
TSC PRE-FAB PUMP SOLUTIONS**

MODEL TSC2-48.0 R9.dwg

2. GROUT FILLET (1 TO 1 SLOPE TO "HOPPER" BOTTOM)
1. HOSE BIBB WITH REDUCED PRESSURE BACK FLOW PREVENTER FIELD INSTALL BY CONTRACTOR
- JOB: _____
- OS: _____

GENERAL NOTES

FURNISH AND INSTALL EBARA SUBMERSIBLE GRINDER PUMPS.

DESIGN CONDITIONS:

MODEL	32 DGFU / 50 DGFU	(2) 3.5 HP	HP
GPM	20	78.51	FT/10H
VOLTAGE	208 / 230 / 480	SINGLE / THREE	PHASE
DISCHARGE	2"	1.53	MM

2. AIR FILLED MOTOR DESIGNED FOR SERVICE APPLICATION WITH CLASS F INSULATION.

3. DUAL MECHANICAL SHAFT SEALS (SILICON CARBIDE / SILICON CARBIDE) LOCATED OUT OF THE PUMPAGE, IN A SEPARATE OIL FILLED CHAMBER.

4. HIGH TEMPERATURE BALL BEARINGS B-10 RATING OF 60,000 HOURS, UPPER BEARING - SINGLE ROW AND LOWER BEARINGS - DOUBLE ROW TYPE.

5. PUMP SHAFT HORSEPOWER (BHP) SHALL NOT EXCEED MOTOR RATED HORSEPOWER THROUGHOUT THE ENTIRE OPERATING RANGE OF THE PUMP PERFORMANCE CURVE.

6. SINGLE PHASE MOTORS SHALL BE DUAL WOUND, CAPACITOR START-RUN AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260). THREE PHASE MOTORS SHALL BE DUAL WOUND AND CAPABLE OF OPERATING ON 208/230 VOLT WITH A 10% TOLERANCE VOLTAGE (190 TO 260) OR OPERATE ON 480 VOLT BY CHANGING THE MOTOR LEADS INSIDE THE PUMP.

FIBERGLASS WET WELL: SHALL BE A ONE PIECE UNIT WITH INTEGRAL BOTTOM, WALL AND UPPER FLANGE. THE ENTIRE FIBERGLASS WET WELL SHALL HAVE A DYNAMIC LOAD RATING OF 16,000 FT/LBS. EACH UNIT MUST BE SERIAL NUMBERED TO IDENTIFY THE TEST PROCEDURE. ASTM D 3753 & H-20 SPECIFICATIONS SHALL BE REQUIRED AS MINIMUM.

ALUMINUM HATCH: TSC MODEL-54R (54") ROUND WITH 24" X 36" LOCKABLE HATCH, REINFORCED FOR LOAD RATING OF 300 LBS/FT² WITH HOLD OPEN SAFETY ARM, LOCKING DEVICE FOR HSP TYPE. PADLOCK AND STAINLESS STEEL HARDWARE.

VALVE BOX: FIBERGLASS COMPOSITE (H-10 TRAFFIC RATED) WITH INTEGRAL BOTTOM. (FOR 1 1/4" AND 2" DISCHARGE PIPING SXS HEADER SYSTEM) SHALL BE 26" X 38" X 18" WITH 17" X 30" LIMITED ACCESS LID.

ACCESSORIES: #304 S/S - GUIDE RAILS, UPPER GUIDE RAIL BRACKETS, CABLE HOLDER, ANCHOR BOLTS AND PUMP LIFTING CHAINS.

VALVES: SHALL BE SEWAGE SERVICE DESIGN BRASS SWING CHECK VALVES WITH TOP ENTRY CLEAN-OUT PORT AND BRASS WEDGE GATE VALVES OPEN 100%.

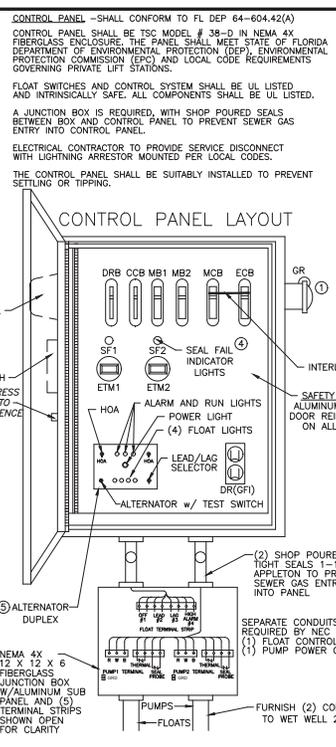
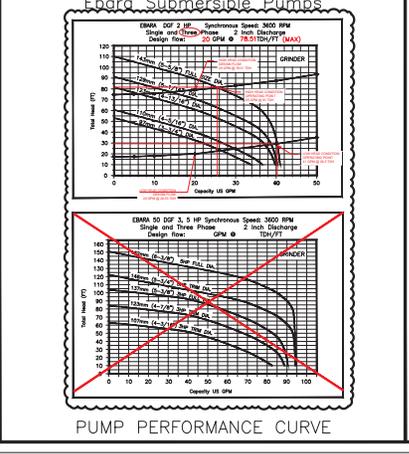
PIPING: 2" SCHEDULE 80 PVC.

FLOAT SWITCHES: UL LISTED SJ5 ELECTRO MODEL (S3 30 SHENO).

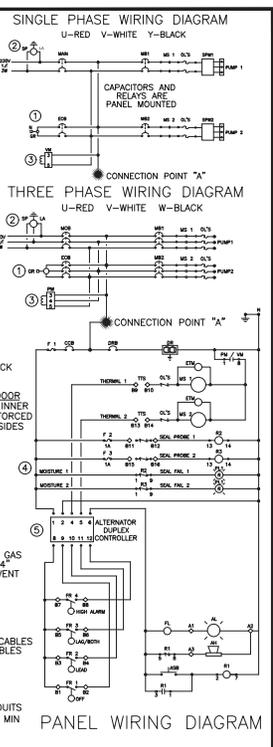
PUMP SUPPLIER SHALL PROVIDE SUBMERSIBLE PUMPS, SLIDE RAIL ASSEMBLIES, CONTROL PANEL, JUNCTION BOX, FLOAT SWITCHES, ALUMINUM HATCH AND ACCESSORIES TO INSURE PROPER OPERATION AND WARRANTY.

THE COMPLETE PACKAGE INCLUDING PUMPING STATION, PUMP BASES, SLIDE RAIL ASSEMBLIES AND DISCHARGE PIPING ASSEMBLY BY TECHNICAL SALES CORPORATION READY TO SHIP FOR FIELD INSTALLATION. THE MANUFACTURER OF PRE-FAB PUMP SOLUTIONS.

TECHNICAL SALES CORPORATION, 4621 N. HALE AVE TAMPA, FL 33614 (813)876-9256



- LEGEND**
- AH ALARM HORN
 - AL ALARM LIGHT
 - ASB ALARM SILENCE BUTTON
 - ATS ALTERNATOR W/ TEST SWITCH
 - CCB CONTROL CIRCUIT BREAKER
 - DR DUPLEX RECEPTACLE
 - DR DUPLEX RECEPTACLE BREAKER
 - ECB EMERGENCY CIRCUIT BREAKER
 - ETM ELAPSED TIME METER
 - FL FLASHER
 - FS FLOAT SWITCH (REGULATOR)
 - GR GROUND
 - GND GROUND
 - HOA HAND-OFF-AUTOMATIC SELECTOR
 - LA LIGHTNING ARRESTOR
 - MB MOTOR BREAKER
 - MCB MAIN CIRCUIT BREAKER
 - NS NEUTRAL
 - OL'S OVERLOAD HEATERS
 - PM PHASE MONITOR
 - PTS PUMP TERMINAL STRIP
 - R RELAY
 - RC RUN CAPACITOR
 - RD DISCHARGE RESISTOR
 - RL PUMP RUN INDICATORS
 - RTS REGULATOR TERMINAL STRIP
 - SC START CAPACITOR
 - SF SEAL FAIL (SHAFT)
 - SR START RELAY
 - SP SURGE PROTECTOR
 - TTS THERMAL TERMINAL STRIP



PANELS SHALL CONFORM TO FLORIDA DEP 604-604.2(A)

① GENERATOR RECEPTACLE FOR EMERGENCY POWER CONNECTION WITH INTERLOCK

② SURGE PROTECTION AND LIGHTNING PROTECTION ON ALL INCOMING LEADS

③ PHASE PROTECTION SHALL BE PROVIDED

④ SHAFT SEAL FAIL DETECTION

⑤ ALTERNATOR W/ TEST SWITCH

PANEL MANUFACTURER SHALL BE A "UL" LISTED SHOP.

TSC DUPLEX GRINDER PUMP STATION FIBERGLASS WET WELL

TECHNICAL SALES CORPORATION

TSC PRE-FAB PUMP SOLUTIONS

WATERWORKS & WASTEWATER SPECIALTIES

Representing Innovative Manufacturers

MODEL TSC2-48.0

4621 N. HALE AVENUE PH (813)876-9256
TAMPA, FL 33614 FAX (813)874-1194
EMAIL: Sales@TSCtampa.com REV-9 SCALE: N.T.S.

48" DUPLEX GRINDER STATION - 2" PIPING W/ SLIDE RAIL SYSTEM, VALVE BOX AND F.D.E.P. PANEL TSC2-48.0 R9

APPLICATION TYPE: INDUSTRIAL

LICENSED PROFESSIONAL ENGINEER

STATE OF FLORIDA

PROJECT: NEW O'REILLY AUTO PARTS STORE
16725 S US HWY 441 SUMMERFIELD, FL 34491
MARION COUNTY

LIFT STATION DETAILS

PROJECT: NEW O'REILLY AUTO PARTS STORE
16725 S US HWY 441 SUMMERFIELD, FL 34491
MARION COUNTY

DATE: 05/02/24

REVISION: 05/01/25

PROJECT NUMBER: 23332 SM1

SHEET NUMBER: C17 of 17

© Copyright 2018 - Stantec, all rights reserved. Reproduction prohibited without the expressed written consent of the design professional.

811

KNOW WHAT'S BELOW
ALWAYS CALL 811
BEFORE YOU DIG

www.call811.com

Stantec

Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Clearwater, Florida 33799 Tel: 727.531.3333
www.stantec.com Fax: 727.481.1777
Certificate of Authorization #27013
FL Lic. #FLC-000170

EXTERIOR LIGHT FIXTURE SCHEDULE

ALL ITEMS LISTED ON THE "LIGHT FIXTURE SCHEDULE" WILL BE SUPPLIED BY THE OWNER (O'REILLY). ITEMS SHALL BE DIRECT ORDERED AND OR RELEASED FROM THE LISTED ELECTRICAL EQUIPMENT DISTRIBUTOR.

SOURCECONE SOLUTIONS
4341 GREEN ASH DRIVE
EARTH CITY, MO 63045

SOURCECONE SOLUTIONS O'REILLY TEAM
EMAIL: SOURCECONE@SOURCECONE.COM
PHONE: 314-499-6400

MARK	MFR.	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	MOUNTING		LAMPS		WATTAGE	NOTES	FIXTURE QUANTITY
					SURFACE WALL	OTHER	TYPE	QUANTITY			
LED EXTERIOR LIGHTS											
WS1	LSI	XWM-FT-LED-06L-50-UC-BRZ	120	DARK BRONZE	X		X	1	45	FULL CUT-OFF, BUG RATING B1-UC-G1, ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	5
WSP	LSI	XWM-FT-LED-06L-50-UC-BRZ-PC120	120	DARK BRONZE	X		X	1	45	FULL CUT-OFF, BUG RATING B1-UC-G1, ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	1
LED POLE LIGHTS											
P1	LSI	MRM-LED-18L-SL-FT-4MM-DM-50-700R-BRZ-L	120	DARK BRONZE		X	X	1	135	25' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS, ANCHOR BOLTS W/HARDWARE & TEMPLATE, WITH INTERNAL LOWER HOUSE SIDE SHIELD, BUG RATING B2-UC-G3	3
FIXTURE QUANTITY TO BE VERIFIED WITH SITE PLAN QUANTITY											

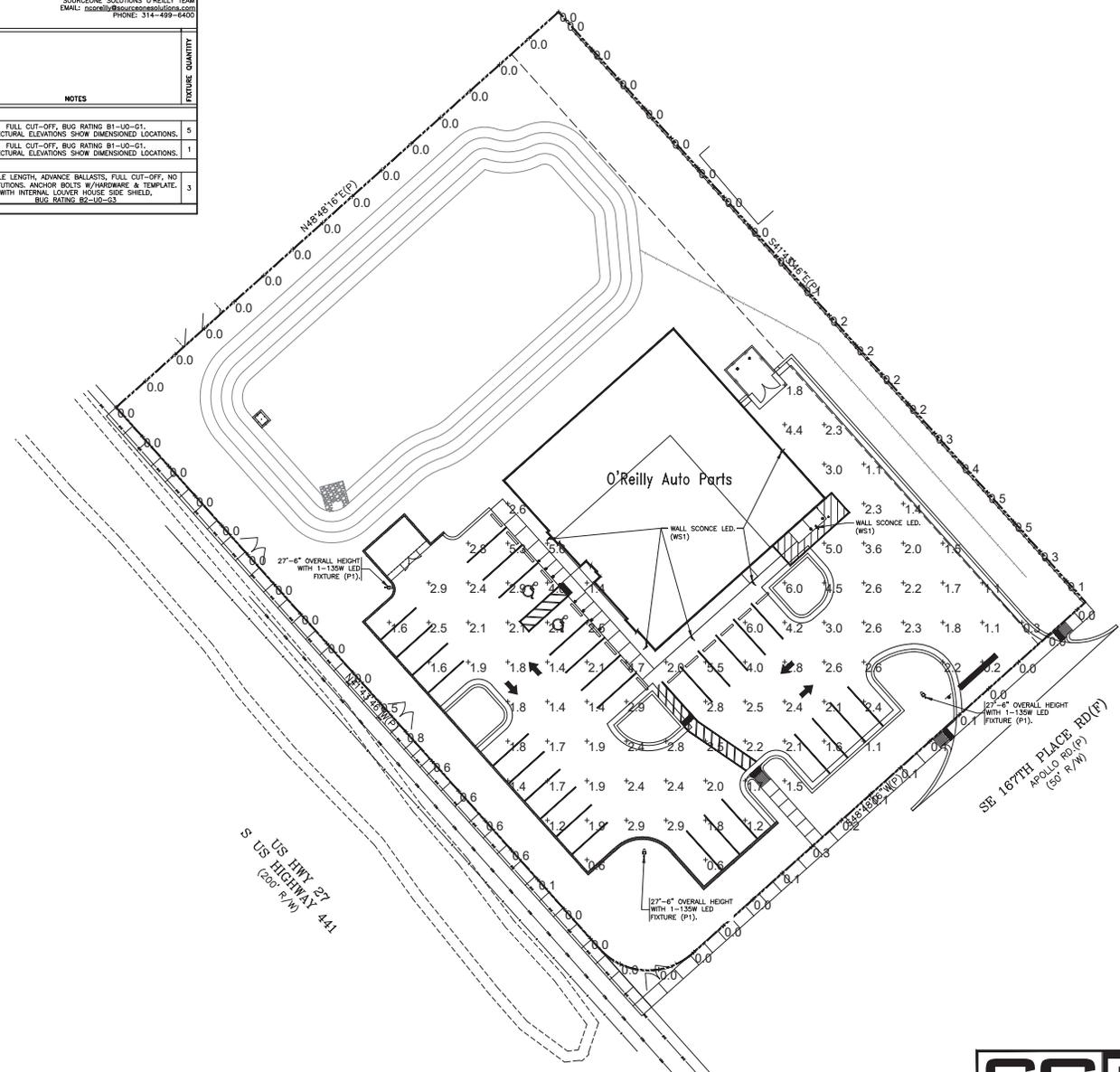
BACKLIGHT-UPLIGHT-GLARE (BUG) RATING / FULL CUTOFF

ALL "LSI MRM" & "XWM" LED FIXTURES HAVE ZERO UPLIGHT AND ARE CONSIDERED FULL CUT OFF AND DARKSKY COMPLIANT. THE DELIVERED LUMEN CHART BELOW APPLIES TO "LSI XWM" FIXTURES AND CONFIRMS THAT IN EVERY CONFIGURATION THE FIXTURE PRODUCES ZERO UPLIGHT (U = 0). BUG RATING CHART FOR "LSI MRM" FIXTURES IS FOUND ON CORRESPONDING "SP" SHEETS.

DELIVERED LUMENS*																		
Lumen Package	CFL	2700K				3000K				4000K				5000K				
		Delivered Lumens	Efficiency	BUG Rating	Advanced Lumens	Delivered Lumens	Efficiency	BUG Rating	Advanced Lumens	Delivered Lumens	Efficiency	BUG Rating	Advanced Lumens	Delivered Lumens	Efficiency	BUG Rating	Advanced Lumens	
026	3	70	2700	120	B1-UC-G1	2973	127	B1-UC-G1	3144	128	B1-UC-G1	3144	128	B1-UC-G1	3144	128	B1-UC-G1	3144
	FT	70	2718	120	B1-UC-G1	2838	126	B1-UC-G1	3105	127	B1-UC-G1	3105	127	B1-UC-G1	3105	127	B1-UC-G1	3105
	FT	70	2646	120	B1-UC-G1	3102	125	B1-UC-G1	4051	127	B1-UC-G1	4051	127	B1-UC-G1	4051	127	B1-UC-G1	4051
	FT	70	3650	120	B1-UC-G1	3389	128	B1-UC-G1	4124	128	B1-UC-G1	4124	128	B1-UC-G1	4124	128	B1-UC-G1	4124
	FT	70	3640	121	B1-UC-G1	3722	126	B1-UC-G1	4073	128	B1-UC-G1	4073	128	B1-UC-G1	4073	128	B1-UC-G1	4073
	FT	70	3274	118	B2-UC-G2	3556	123	B2-UC-G2	4055	126	B2-UC-G2	4055	126	B2-UC-G2	4055	126	B2-UC-G2	4055
	FT	70	3269	120	B1-UC-G1	5556	125	B1-UC-G1	6134	127	B1-UC-G2	6134	127	B1-UC-G2	6134	127	B1-UC-G2	6134
	FT	70	3550	119	B1-UC-G2	5536	124	B1-UC-G2	6058	126	B1-UC-G2	6058	126	B1-UC-G2	6058	126	B1-UC-G2	6058
	FT	70	3666	121	B2-UC-G2	7264	121	B2-UC-G2	7953	129	B2-UC-G2	7953	129	B2-UC-G2	7953	129	B2-UC-G2	7953
	FT	70	7123	115	B1-UC-G2	7437	120	B1-UC-G2	8138	124	B2-UC-G2	8138	124	B2-UC-G2	8138	124	B2-UC-G2	8138
	FT	70	7205	113	B1-UC-G2	7346	113	B2-UC-G2	8057	120	B2-UC-G2	8057	120	B2-UC-G2	8057	120	B2-UC-G2	8057
	FT	70	10746	100	B2-UC-G2	10079	107	B2-UC-G2	12074	118	B2-UC-G2	12074	118	B2-UC-G2	12074	118	B2-UC-G2	12074
	FT	70	10707	106	B2-UC-G2	11178	109	B2-UC-G2	12232	120	B2-UC-G2	12232	120	B2-UC-G2	12232	120	B2-UC-G2	12232
	FT	20	16014	100	B2-UC-G2	11000	108	B2-UC-G2	12080	118	B2-UC-G2	12080	118	B2-UC-G2	12080	118	B2-UC-G2	12080

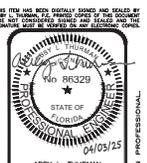
AUTOMATIC LIGHTING CONTROL

- COMPLIANCE WITH ENERGY CODE IS ACHIEVED BY:
- ONCE THE EMS HAS BEEN PROGRAMMED, THE INTERIOR AND EXTERIOR LIGHTS WILL TURN ON AND OFF USING THE FOLLOWING LOGIC: SEE EM SHEETS.
 - INTERIOR WORK LIGHTS WILL TURN ON WITH FIRST MOTION IN THE STORE AND WILL TURN OFF 15 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.
 - INTERIOR SALES LIGHTS WILL TURN ON AT STORE OPENING AND TURN OFF 15 MINUTES AFTER STORE CLOSING.
 - EXTERIOR SIGN LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING.
 - EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS ON THERE IS MOTION IN THE STORE, THEY WILL TURN OFF 30 MINUTES AFTER LAST MOTION ONCE THE STORE IS CLOSED.
 - FOR NEW CONSTRUCTION LOCATIONS ONLY, THERE IS A TEMPORARY PROGRAM TO KEEP SIGN AND SITE LIGHTS ON UNTIL MIDNIGHT RATHER THAN THE TIMES INDICATED ABOVE. O'REILLY WILL DISABLE THIS PROGRAM ONE YEAR AFTER STORE OPENING. (EXCLUDING TX, EXTERIOR LIGHTS STAY ON OVERNIGHT FOR SECURITY PURPOSES).
 - RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.



SITE LIGHTING PHOTOMETRICS

SCALE: 1" = 20'-0"



ABBY L. THURMAN
FL Lic #96329
Firm Lic #27905

SHEETS BEARING THIS SEAL ARE APPROVED. RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS OF INSTRUMENTS ARE DISCLAIMED.



KINETIC
 PHOTOMETRICS, LIGHTING DESIGN & SIMULATION
 PROJECT: **NEW O'REILLY AUTO PARTS STORE**
16725 S US HWY 27
SUMMERFIELD, FL 34449
SITE LIGHTING PHOTOMETRICS

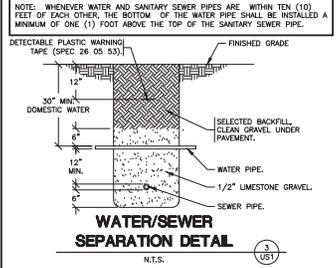
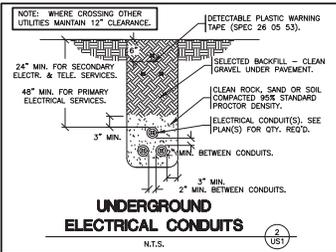
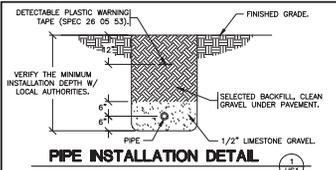


SWN BY: LC AT/BC
DATE: 01/10/24
REVISION: PRO3 04/03/25

PROJECT NUMBER: 23332-SM1
SHEET NUMBER: SP1



REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL. © COPYRIGHT 2023-2024. DESIGNS, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL.



- EXISTING CONDITIONS NOTES**
1. THE CONTRACTOR IS OBLIGATED TO INSPECT FOR EXISTING CONDITIONS/INSTALLATIONS AND AVAILABLE INFORMATION PRIOR TO SUBMITTING A BID, REFER TO SPECIFICATIONS ALSO.
 2. EXISTING INSTALLATIONS (SUCH AS WATER MAINS/LINES, GAS MAINS/LINES, SEWER MAINS/LINES, TELEPHONE LINES, POWER LINES, AND UTILITY STRUCTURES IN THE VICINITY OF THE WORK TO BE DONE) ARE INDICATED ON THE DRAWINGS ONLY TO THE EXTENT THAT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER IN PREPARING THE DRAWINGS. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION, AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED.
 3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING INSTALLATIONS.
 4. ANY DELAY, ADDITIONAL WORK, FEES OR EXTRA COST TO THE CONTRACTOR CAUSED BY OR RESULTING FROM DAMAGE TO OR MODIFICATION OF EXISTING INSTALLATIONS BY THE CONTRACTOR OR AFFECTED UTILITY COMPANY SHALL NOT CONSTITUTE A CLAIM FOR EXTRA WORK, ADDITIONAL PAYMENT OR DAMAGES.
 5. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONSTRUCTION PRIOR TO SUBMITTING HIS BID, NO EXTRAS WILL BE PAID DUE TO UNANTICIPATED EXISTING CONDITIONS/INSTALLATIONS.

TELEPHONE SERVICE REQUIREMENTS

SPECIAL NOTE: NEW PHONE SERVICE TO BUILDING SHALL BE AN UNDERGROUND SERVICE. CONTRACTORS TO SCHEDULE INSTALLATION OF U/G TELEPHONE SERVICE CONDUIT WITH OWNER. CONTACT (417) 874-7288.

CONTRACTOR SHALL CONTACT PHONE COMPANY AND VERIFY REQUIRED SIZE OF CONDUIT (2", 3" OR 4") PVC SCHEDULE 40 CONDUIT WITH RIGID GALVANIZED STEEL LONG SWEEP BENDS @ 18"-24" DEPTH FOR PHONE SERVICE. PHONE MINIMUM 1/4" POLYPROPYLENE PULL LINE. PLACE CONDUIT A MINIMUM OF 12" FROM U/G ELECTRIC CONDUIT IN SAME TRENCH.

CAP END OF CONDUIT AT PROPERTY LINE BELOW FINISHED GRADE AND INSTALL CABLE MARKER FOR PHONE COMPANY, IF NECESSARY. OTHERWISE, CONTINUE PHONE SERVICE CONDUIT TO A POLE AND INSTALL RIGID GALVANIZED STEEL CONDUIT A MINIMUM 10' (10) ABOVE FINISHED GRADE ATTACHED TO POLE.

CONTRACTOR SHALL COORDINATE INSTALLATION AND VERIFY REQUIREMENTS WITH PHONE COMPANY, PLUS INCLUDE ALL FEES OF ANY BY PHONE COMPANY FOR INSTALLATION OF NO LESS THAN 12 PAIR CABLE IN MENTIONED CONDUIT. TO CONTRACTOR INSTALLED 4" X 6" X 3/4" FIRE RETARDING BACKBOARD (OF PLYWOOD, HANT BOARD W/FIRE RETARDING PANTS) WITHIN BUILDING. CONTRACTOR TO PROVIDE #6 AWG CU. GROUND TO TELEPHONE EQUIPMENT LOCATION FROM ELECTRICAL GROUNDING ELECTRODE SYSTEM. FINAL CONNECTIONS AND INSIDE PHONE WIRING BY OWNER.

ONLY IF UNDERGROUND PHONE SERVICE IS NOT AVAILABLE THEN MAY CONTRACTOR INSTALL APPROPRIATE OUTDOOR PHONE SERVICE RISER, WEATHER HEAD, ETC. APPROXIMATE WITH OWNER & PHONE CO.

CONTRACTOR CAUTION!
VERIFY SEWER LINE ELEVATION

BEFORE STARTING ANY BUILDING PAD GRADING AND PLUMBING WORK, THE CONTRACTOR SHALL FIELD VERIFY LOCATION, MATERIAL, CONDITION, ACCESSIBILITY (INCLUDING STATE HIGHWAY OR OTHER RIGHTS-OF-WAY) AND WORKABLE FLOW LINE ELEVATION OF THE EXISTING SANITARY SEWER SERVICE LINE OR MAIN.

IF A WORKABLE FLOW LINE HAS NOT BEEN ESTABLISHED AT THE TIME OF FINAL SANITARY SEWER SERVICE CONNECTION, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXPENSES ASSOCIATED WITH THE INSTALLATION OF A NEW GRINDER PUMP SYSTEM (LIBERTY PUMPS #D4896LS2023-36-S-FRPHD).
PHONE: (518) 346-6161 TO MEET OWNER AND LOCAL REQUIREMENTS.

STOP-CALL BEFORE YOU DIG!

811

DOT PERMIT REQUIRED

FOR INSTALLATION OF WATER SERVICE.
FOR INSTALLATION OF SEWER SERVICE.
FOR INSTALLATION OF ELECTRIC SERVICE.
FOR INSTALLATION OF GAS SERVICE.

UTILITIES CONTACTS:

ELECTRIC: DUKE ENERGY - LOCAL: 800-778-9140
TELEPHONE: CENTURYLINK: 877-366-8344
WATER: MARION COUNTY UTILITIES, CARRIE L. HYDE: 352-307-8000
SEWER: MARION COUNTY UTILITIES, CARRIE L. HYDE: 352-307-8000
GAS: TECO PEOPLES GAS, HEATH MCARDLE: 407-420-6674

CONTRACTOR TO CONTACT UTILITY COMPANIES FOR TAPPING AND FINAL CONNECTION RESPONSIBILITIES.

NEW UTILITIES

W - WATER SERVICE
IR - IRRIGATION SERVICE
UGT - UNDERGROUND ELECTRIC (62700) AND BUILDING SANITARY SEWER
OHE - OVERHEAD ELECTRIC
OHF - OVERHEAD PHONE
G - GAS SERVICE (BY GAS CO.)

• P.O.C. = POINT OF CONNECTION BETWEEN SITE PILING (SPEC. 02700) AND BUILDING SANITARY SEWER. 22 00 00 LOCATED 5'-0" OUTSIDE BUILDING AS NECESSARY = SPEC 21 13 13 DENOTES LANDSCAPE IRRIGATION.

SAW CUT
BORE
GRAVEL

STATE OF FLORIDA LIMITATION

I HEREBY CERTIFY THAT THESE ENGINEERING DOCUMENTS WERE PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA.

Adrian J. Smith 04/03/25
4007 L. J. SMITH (DATE)

LICENSE RENEWAL DATE IS FEBRUARY 28, 2027

PAGES OR SHEETS COVERED BY THE SEAL: US1, SP1, SP2, SP3, ME1, P1, P2, M1, M2, M3, E1, E2, E3 AND E4.

THE ABOVE-STATEED DRAWINGS ARE VALID AND AUTHENTIC ONLY IF EACH COPIED SHEET BEARS THE SEAL, SIGNATURE, AND DATE AFFIXED TO THE ORIGINAL DRAWING BY THE ENGINEER.

THE AUTHORSHIP AND COPYRIGHT OF THE ABOVE STATED DRAWINGS AND SPECIFICATIONS REMAIN WITH SMITH-GOTH ENGINEERS INC. NO CHANGES BY OTHERS ARE AUTHORIZED. THEY ARE AN INSTRUMENT OF SERVICE AND ARE INTENDED FOR USE ON THE INDICATED PROJECT ONLY. THEY SHALL NOT BE REPRODUCED OR USED FOR ANY OTHER WORK WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.

PAGES OR SHEETS DESIGNED BY OTHERS AND INCLUDED ONLY FOR REFERENCE: EM1.0, EM1.1, EM1.2, AND EM1.3.

GENERAL NOTE:

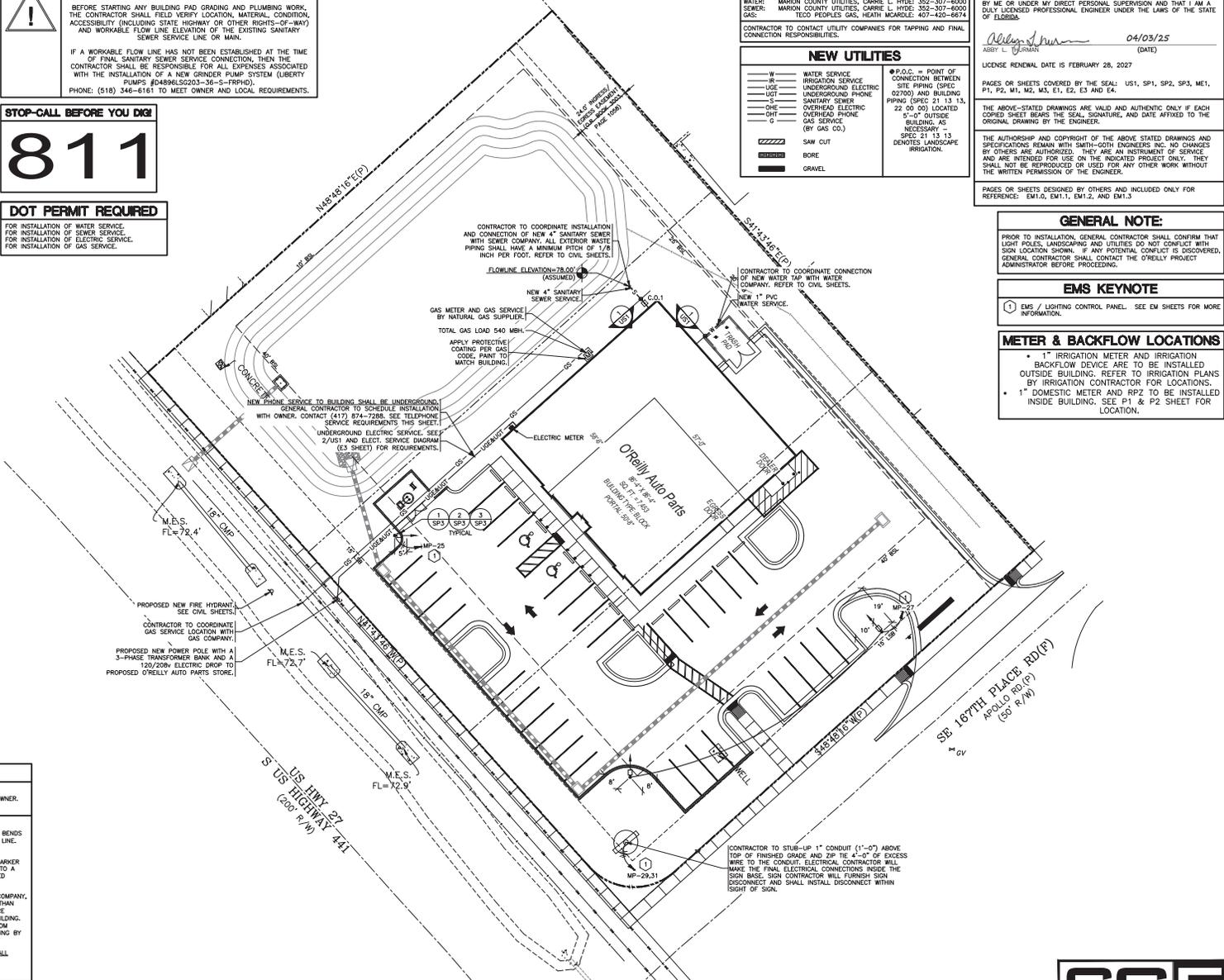
PRIOR TO INSTALLATION, GENERAL CONTRACTOR SHALL CONFIRM THAT LIGHT POLES, LANDSCAPING AND UTILITIES DO NOT CONFLICT WITH SIGN LOCATION SHOWN. IF ANY POTENTIAL CONFLICT IS DISCOVERED, GENERAL CONTRACTOR SHALL CONTACT THE O'REILLY PROJECT ADMINISTRATOR BEFORE PROCEEDING.

EMS KEYNOTE

1 EMS / LIGHTING CONTROL PANEL. SEE EM SHEETS FOR MORE INFORMATION.

METER & BACKFLOW LOCATIONS

- 1" IRRIGATION METER AND IRRIGATION BACKFLOW DEVICE ARE TO BE INSTALLED OUTSIDE BUILDING. REFER TO IRRIGATION PLANS BY IRRIGATION CONTRACTOR FOR LOCATIONS.
- 1" DOMESTIC METER AND RFP TO BE INSTALLED INSIDE BUILDING. SEE P1 & P2 SHEET FOR LOCATION.



UTILITIES SITE PLAN

SCALE: 1" = 20'-0"

THE ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA.

SMITH-GOTH ENGINEERS, INC.
FL Lic. #65329
Professional Engineer
04/03/25

ABBY L. THURMAN
FL Lic. #63309
Professional Engineer
04/03/25

SEALS BEARING THIS SEAL ARE AUTHENTICATED. REPRODUCTION OF THIS SEAL OR INSTRUMENTS ARE DISCLAIMED.

ENGINEERING
PROFESSIONAL ENGINEERING PROJECTS AND DESIGN SERVICES

PROJECT: **O'REILLY AUTO PARTS STORE**
16725 S US HWY 441
SUMMERFIELD, FL 34491

UTILITIES SITE PLAN

DESIGNER, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.

O'Reilly AUTO PARTS
CORPORATE OFFICE
285 SOUTH PATTERSON AVENUE
SUMMERFIELD, FL 34491
(817) 882-2676 TELEPHONE

SWN BY: LC
CHECKED BY: AT/BC
DATE: 01/10/24
REVISION: PRO3 04/03/25
PROJECT NUMBER: 23332-SM1
SHEET NUMBER: US1

SGE
SMITH-GOTH ENGINEERS, INC.
3925 S. JEFFERSON AVE. P: 417-882-2920
SPRINGFIELD, MO 65807 F: 417-882-1188
www.sgetech.com

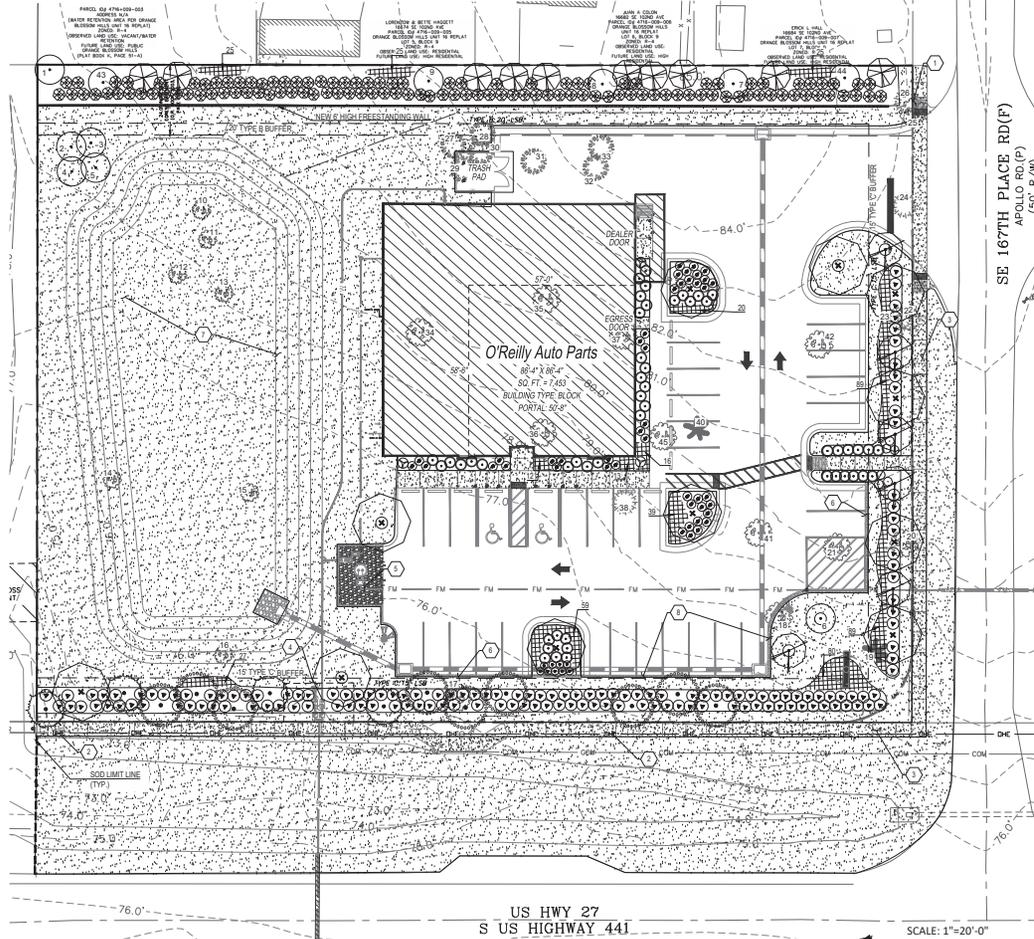
KEY NOTES:

- 1 PROPOSED FENCE
- 2 EXISTING OVERHEAD POWER/UTILITY LINES
- 3 PROPOSED SIDEWALK
- 4 UTILITY EASEMENT
- 5 LIFT STATION
- 6 SITE WALL
- 7 DRY DETENTION BASIN
- 8 GRAVITY WALL

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND

- NEW BUILDING CONSTRUCTION
- AREA OF CONCRETE
- NEW POLE SIGN LOCATION
- NEW CONCRETE WHEELSTOP
- NEW LIGHT POLE LOCATION
- PROPERTY LINE
- RIGHT-OF-WAY



PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	MIN HT / SPR	SPACING
NATIVE TREES					
	10	CHONANTHUS VIRGINICUS WHITE FRANKETREE	2" CAL	6 HT	AS SHOWN
	4	JUNIPERUS VIRGINIANA EASTERN REDCEDAR	3.5" CAL	-	AS SHOWN
	11	QUERCUS VIRGINIANA SOUTHERN LIVE OAK 'CATHEDRAL'	3.5" CAL	12-14' HT	AS SHOWN
NON-NATIVE TREES					
	9	CALLISTEMON VIMINALIS WEeping BOTTLEBRUSH	2" CAL	7 HT / 4 SPR	AS SHOWN
	3	JUNIPERUS CHINENSIS 'BLUE POINT' BLUE POINT JUNIPER	-	6 HT / 3.5 SPR	AS SHOWN
	6	LAGERSTROEMIA INDICA X FAURIEI 'TONTONTO' TONTONTO CAME MYRTLE	2" CAL	6 HT / 3.5 SPR	AS SHOWN
NATIVE SHRUBS					
	44	MULLENBERGIA CAPILLARIS PINK MUHLY GRASS	-	12" HT	3'-0" OC
	114	MYRTICA CERIFERA WAX MYRTLE	-	24" HT	4' OC
	6	TRIPSAZIUM DACTYLOIDES TAWNYHATCHET GRASS	-	18" HT	3'-0" OC
	146	VIBURNUM OBOVATUM MRS. SCHILLERS MRS. SCHILLERS DELIGHT WALTERS VIBURNUM	-	18" HT	4'-0" OC
NON-NATIVE SHRUBS					
	49	JUNIPERUS X PFITZERIANA 'GOLD COAST' GOLD COAST PFITZER JUNIPER	-	18" HT	4' OC
	9	PODOCARPUS MACROPHYLLUS 'MAY' JAPANESE VIEW	-	36" HT	2'-0" OC
GROUND COVERS					
	517	LIRIOPE MUSCARI LILY TUFT	1 GAL	-	1'-0" OC
NUMBER INDICATED REFLECTS THE NUMBER OF PLANTS IN THAT PARTICULAR AREA					
	53,082 SF	PASPALLUM NOTATUM 'ARGENTINE' ARGENTINE BAHIA GRASS	SOD	-	-
NO MUCK-GROWN SOD IN POND					

MULCH

ALL PLANT BEDS SHALL CONTAIN A 3" LAYER OF GROUND MELALEUCA MULCH TO COVER THE COMPLETE PLANTING AREA. CONTRACTOR TO PLACE 4" DIAMETER MULCH RING AROUND ALL TREES IN LAND.

LANDSCAPE REQUIREMENTS

BUFFERS
 18TH SE PLACE RD: TYPE C BUFFER (172 LF)
 2 SHADE TREES & 3 ORNAMENTAL TREES/100 LF; SHRUBS AND GROUND COVER TO BE 50% OF BUFFER
 REQUIRED: 4 SHADE TREES, 6 ORNAMENTAL TREES
 PROPOSED: 4 SHADE TREES, 6 ORNAMENTAL TREES

US HWY 27: TYPE C BUFFER (263 LF)
 2 SHADE TREES & 3 ORNAMENTAL TREES/100 LF; SHRUBS AND GROUND COVER TO BE 50% OF BUFFER
 REQUIRED: 6 SHADE TREES, 9 ORNAMENTAL TREES
 PROPOSED: 6 SHADE TREES, 9 ORNAMENTAL TREES

ADJ. PROPERTY (NORTH-EAST), TYPE B BUFFER (EAST) (300 LF)
 20" WIDE LANDSCAPE STRIP WITH BUFFER WALL, 2 SHADE TREES & 3 ORNAMENTAL TREES/100 LF; SHRUBS AND GROUND COVER TO BE 50% OF BUFFER
 REQUIRED: 13.473 ACRES (20%)
 PROPOSED TREES: 6 SHADE TREES, 9 ORNAMENTAL TREES
 PROPOSED TREES: 6 EXISTING SHADE TREES, 9 NEW ORNAMENTAL

LANDSCAPE AREA PERCENTAGE (20% OF LAND TO BE LANDSCAPED)
 TOTAL ACRES: 67.368 SF
 REQUIRED: 13.473 ACRES (20%)
 PROPOSED: 38,102 SF (56%)

PROPOSED STRUCTURES
 D. LANDSCAPING ADJ. OR WITHIN 25' FROM BUILDING WALLS AND EXTEND 60% ALONG TOTAL LENGTH OF WALL
 LANDSCAPE REQUIRED: 86 LF, 60%
 LANDSCAPE PROPOSED: 143 LF, 100%

MARION FRIENDLY LANDSCAPING
 PROPOSED PLANTINGS: 75%
 NATIVE DIVERSITY (35% PLANTS OTHER THAN TURFGRASS, 50% OF SHADE TREES)
 TOTAL PLANT QUANTITIES - 885 (35% + 310 PLANTS MIN)
 PROPOSED NATIVE PLANTINGS: 310 (35%)
 PROPOSED SHADE TREES: 15 (100%)

SHADE TREE CALCULATION (1 SHADE TREE/300 SF)
 TOTAL SITE AREA: 67,368 SF
 REQUIRED SHADE TREES: 23
 PROPOSED SHADE TREES: 15 (11 EXISTING SHADE TREES)

PARKING AND VIAL LANDSCAPE REQUIREMENTS (ONE LANDSCAPE ISLAND EVERY 10 SPACES)

- A. MIN 5' WIDE LANDSCAPE STRIP CONTAINING SHRUBS, GROUND COVERS (EXCL. TURFGRASS) TO FORM A SCREEN WITH MIN HEIGHT OF 3' WITHIN 1 YEAR OF PLANTING
- B. PARKING ISLANDS SHALL BE COMPLETELY PLANTED WITH SHRUBS OR GROUND COVERS (EXCL. TURFGRASS)
- C. REQUIRED: 8 SHADE TREES (1 EXISTING)
 PROPOSED: 8 SHADE TREES (1 EXISTING)

BUILDING FOUNDATION LANDSCAPE REQUIREMENTS

LANDSCAPE PLANTING BEDS ALONG PUBLIC VIEW SIDES OF

TREE MITIGATION CALCULATIONS
 SITE: 135 ACRES
 REQUIRED MITIGATION = 150'
 RETAINED TREES = 154'
 PROPOSED TREES = 151'
 TOTAL TOWARDS MITIGATION = 206.5

EXISTING TREE CHART

SYMBOL	TREE TO BE REMOVED - NUMBER IN SYMBOL CORRELATES WITH BELOW EXISTING TREE CHART	SYMBOL	TREE TO BE RETAINED - NUMBER IN SYMBOL CORRELATES WITH BELOW EXISTING TREE CHART. REFER TO DEMO PLAN FOR ALL TREES TO BE REMOVED
	12 18" OAK		24 9" PINE
	2 4" OAK		37 8" OAK
	3 5" OAK		26 24" OAK
	4 12" OAK		27 20" PINE
	5 6" OAK		40 8' PALM
	6 7" OAK		29 8' DECIDUOUS
	7 30" PINE		30 8' DECIDUOUS
	8 36" PINE		42 10" OAK
	9 18" OAK		43 5" OAK
	10 5" OAK		32 24" DECIDUOUS
	11 7" OAK		33 8' DECIDUOUS
			44 20" PINE
			45 8" OAK
			35 30" OAK

NOTE:
 1. CONTRACTOR SHALL REMOVE ALL INVASIVE SPECIES, AS LISTED ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S INVASIVE PLANT SPECIES LIST, FROM PROPERTY.
 2. CONTRACTOR IS TO PROVIDE MINOR CLEARING AND GRUBBING SERVICES. THIS INCLUDES BUT IS NOT LIMITED TO REMOVING DEAD OR DYING BRANCHES BOTH ON TREES OR ON GROUND, REMOVING VINES FROM EXISTING TREES, AND REMOVING ANY TRASH OR DEBRIS FROM SITE.
 3. REFER TO DETAIL 7L3 FOR TREE PROTECTION DETAIL.

SECTION 6.8.10 - GENERAL PLANTING REQUIREMENTS
 A. ALL TREES, PALMS, SHRUBS, AND GROUND COVERS SHALL BE NURSERY GROWN AND FLORIDA NO.1 QUALITY OR BETTER, AS ESTABLISHED BY GRASSES AND STANDARDS FOR NURSERY PLANTS, DEPARTMENT OF AGRICULTURE, STATE OF FLORIDA, INCLUDING LATEST UPDATE, AS AMENDED.
 E. INSTALLATION SHALL MEAN SURVIVAL IN PERPETUITY, AND REPLACEMENT IF NECESSARY, OF ALL MATERIALS, DEAD AND/OR DYING PLANT MATERIAL SHALL BE REPLACED BY THE OWNER WITHIN 30 DAYS OF NOTIFICATION BY THE COUNTY.

SECTION 6.8.11 - LANDSCAPE INSTALLATION
 E. INSTALLATION SHALL MEAN SURVIVAL IN PERPETUITY, AND REPLACEMENT IF NECESSARY, OF ALL MATERIALS, DEAD AND/OR DYING PLANT MATERIAL SHALL BE REPLACED BY THE OWNER WITHIN 30 DAYS OF NOTIFICATION BY THE COUNTY.

SECTION 6.8.12 - LANDSCAPE COMPLETION INSPECTION REQUIREMENTS
 UPON COMPLETION OF THE INSTALLATION, THE CONTRACTOR SHALL REQUEST AN INSPECTION BY THE DESIGN PROFESSIONAL. A LANDSCAPE AND IRRIGATION AS-BUILT CERTIFICATION SHALL BE SIGNED AND SEALED BY THE DESIGN PROFESSIONAL AND SUBMITTED TO THE COUNTY LANDSCAPE ARCHITECT PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.



LAUDING

REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA

PROJECT:
NEW O'REILLY AUTO PARTS STORE
 16725 S US 441
 SUMMERFIELD, FL 34491

PLANTING PLAN

O'Reilly AUTO PARTS

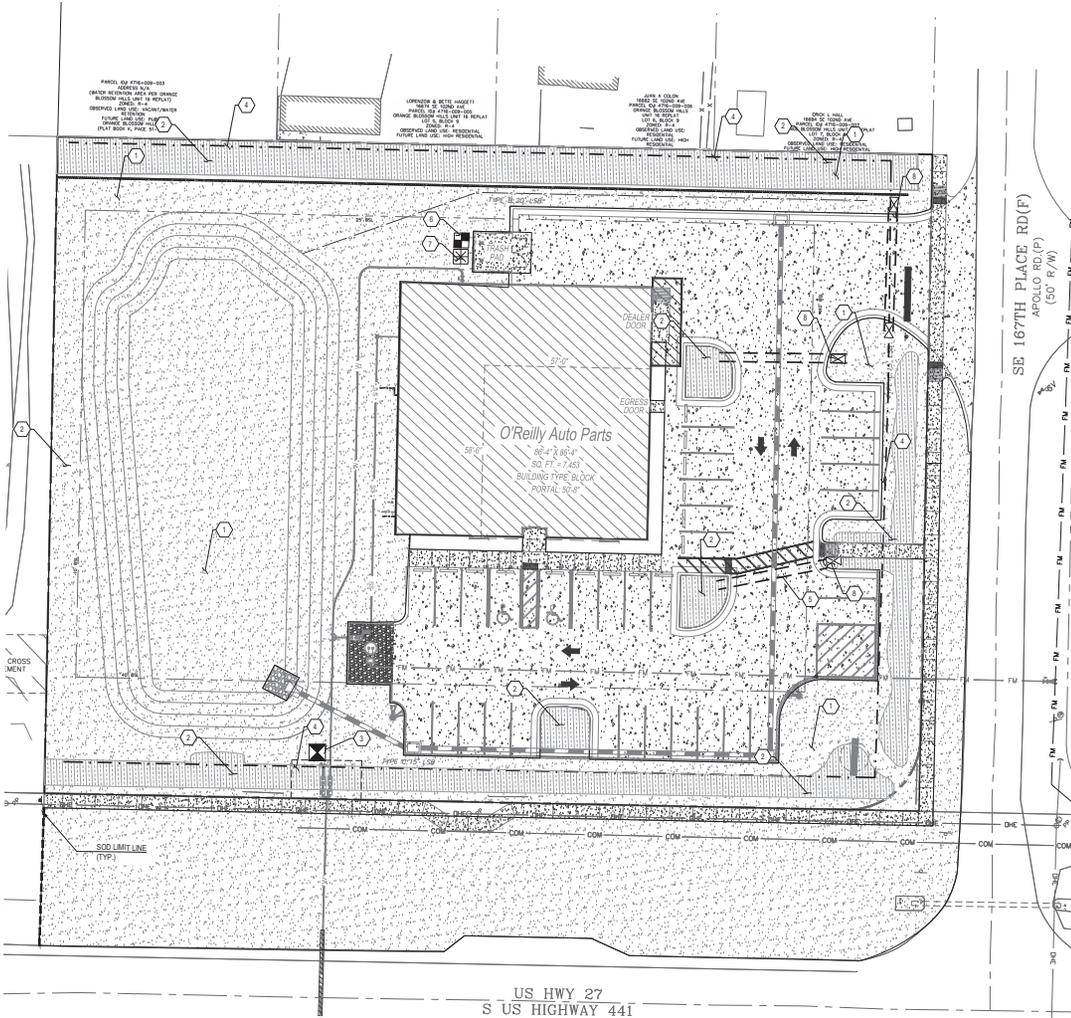
CORPORATE OFFICES
 1700 W. UNIVERSITY AVENUE
 SUITE 200
 GAINESVILLE, FL 32609
 (352) 339-1000

DRAWN BY: TRH/JSD
 CHECKED BY: EAB

DATE: 01/11/24
 REVISION: 03/28/25
 PROJECT NUMBER: 23332 SM1
 SHEET NUMBER: L1

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND	
	NEW BUILDING CONSTRUCTION
	AREA OF CONCRETE
	NEW POLE SIGN LOCATION
	NEW CONCRETE WHEELSTOP
	NEW LIGHT POLE LOCATION
	PROPERTY LINE
	RIGHT-OF-WAY



GENERAL NOTES:

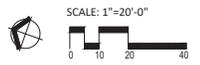
- IRRIGATION SYSTEM DESIGN BASED ON 30 GPM AND 75 PSI.
- IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION (POC) ONLY.
- IRRIGATION CONTRACTOR TO VERIFY POINT OF CONNECTION IN THE FIELD AND CONFIRM MINIMUM DISCHARGE REQUIRED AT POINT OF CONNECTION AS REQUIRED BY PROPOSED IRRIGATION EQUIPMENT PRIOR TO INSTALLATION. CONTACT OWNER'S REPRESENTATIVE WITH ANY DISCREPANCIES IMMEDIATELY BEFORE INSTALLATION.
- THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
- CONTRACTOR TO USE CONTINUOUS RUNS FOR ALL PROPOSED CONTROL WIRES. IF NECESSARY, LOCATE ALL WIRE SPICES IN VALVE BOX. BUNDLE WIRES IN VALVE BOX WITH MINIMUM 24" OF EXCESS CABLE PER BUNDLE. ALL SPICES MUST BE WATERPROOF WITH 3M 300V/500V CONNECTORS.
- PIPE LOCATIONS ARE DIAGRAMMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
- ALL MATERIAL USED SHALL BE INSTALLED AS PER PLAN AND AS PER MANUFACTURER'S SPECIFICATIONS. ALL DEVIATIONS FROM DRAWINGS OR MATERIALS SHALL BE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.
- CONTRACTOR TO PROVIDE ANY STAKING NECESSARY FOR PROPERTY LINES, EASEMENT LINES, ETC. TO INSTALL PLANTING AND IRRIGATION AS PER PLANS.
- LOCATE VALVES AND VALVE BOXES IN SHRUB BED WHENEVER POSSIBLE. IF NECESSARY TO LOCATE IN LAWN, LOCATE A MINIMUM OF 36" AWAY FROM PLANTER BED EDGE.
- SEE DETAIL SHEET L4 & L5 FOR FURTHER IRRIGATION NOTES & DETAILS.

KEY NOTES:

- ALL PROPOSED LAWN AREAS THAT HAVE NOT BEEN HATCHED WITH DRIP AREA HATCHING AND DO NOT CONTAIN EXISTING PLANT MATERIAL WILL BE IRRIGATED WITH SPRAY HEAD IRRIGATION OR ROTORS UNLESS OTHERWISE NOTED (TYP). POND AREAS TO BE ZONED SEPARATELY.
- PLANTER BED IRRIGATION COVERAGE (TYP. OF HATCHED AREAS). ALL PROPOSED PLANTINGS SHALL RECEIVE DRIP IRRIGATION. ALL TREES TO RECEIVE BUBBLERS.
- POINT OF CONNECTION IS A SEPARATE WATER METER WITH A BACKFLOW PREVENTER. REFER TO CIVIL SET FOR FURTHER INFORMATION.
- 2" IRRIGATION MAINLINE (TYP.) - SOLVENT WELD PVC - ASTM D2241 - CLASS 200 - SDR 21 CONTRACTOR WILL BE REQUIRED TO LOOP THE IRRIGATION MAINLINE TO REDUCE PRESSURE LOSS IF NEEDED. NOTE: MAINLINE LAYOUT IS DIAGRAMMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY. ALL VALVES AND MAINLINE SHALL BE INSTALLED WITHIN LANDSCAPE AREAS. CONTRACTOR SHALL NOT ROUTE MAINLINE NEAR EXISTING OR PROPOSED TREES, OR UTILITY LINES. REFER TO CIVIL SET FOR MORE INFORMATION PRIOR TO INSTALLATION.
- UNDERPAVEMENT SLEEVING (TYP.) - SCHEDULE 40 PIPE. 4" DIAMETER UNLESS OTHERWISE INDICATED. TO BE INSTALLED BY LANDSCAPE CONTRACTOR AT DEPTH AS PER LOCAL CODE.
- AUTOMATIC CONTROLLER: MOUNT CONTROLLER ON BACK OF HALL IF ACCEPTABLE WITH OWNER.
- POTENTIAL LOCATION FOR WIRELESS MINI WEATHER STATION RAIN SENSOR. MOUNT RAIN SENSOR ON TOP OF BUILDING IF ACCEPTABLE WITH OWNER. ENSURE SENSOR IS OUT OF EXISTING AND FUTURE DRIPLINES OF TREES.
- STAINLESS STEEL BALL VALVE (TYP.) - SIZE PER LINE SIZE. MFG.: LEEMCO FITTINGS (MODEL: LBT-XX-SS)

US HWY 27
S US HIGHWAY 441

SE 167TH PLACE RD(F)
APOLLO RD.(P)
(50' R/W)



Stantec Consulting Services Inc.
380 Park Place Boulevard, Suite 300
Clearwater, Florida 33759 | Tel: 727.531.3605
www.stantec.com | Fax: 727.431.1777
Certificate of Authorization #27013
FL Lic. #LC-000170

ARCHITECT OF RECORD
EDWARD BRODY/OWNER
REGISTERED LICENSE NUMBER
LA 0000790 EXP: 11/30/25
SHEETS BEARING THIS SEAL ARE
AUTHORIZED INSTRUMENTS OF
SERVICE FOR THIS PROJECT.
FOR ALL OTHER PLANS, SPECIFICATIONS
OR INSTRUMENTS ARE OBTAINED
SEPARATELY.

KINETIC

PROJECT:
NEW O'REILLY AUTO PARTS STORE
16725 S US 441
SUMMERFIELD, FL 34491

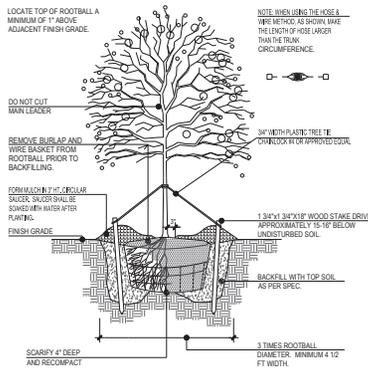
IRRIGATION COVERAGE PLAN

O'Reilly AUTO PARTS

CORPORATE OFFICES
1000 W. MISSOURI AVENUE
SPRINGFIELD, MISSOURI 65802
(417) 866-2629 TELEPHONE
(417) 866-2629 TELEPHONE

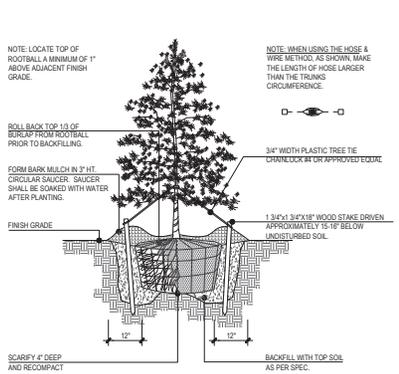
DRAWN BY:	TRH/JSD	CHECKED BY:	EAB
DATE:	01/11/24		
REVISION:	03/28/25		
PROJECT NUMBER:	23332 SM1		
SHEET NUMBER:	L2		

© COPYRIGHT 2018 - DESIGN, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.



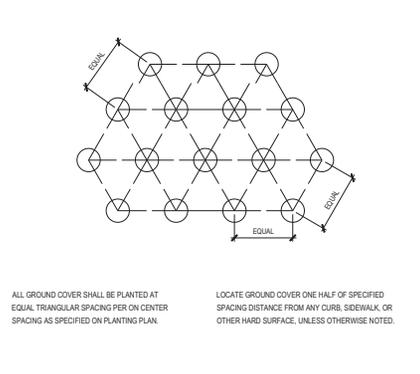
1 DECIDUOUS TREE STAKING

N.T.S.



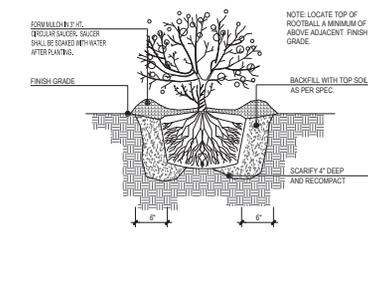
2 EVERGREEN TREE STAKING

N.T.S.



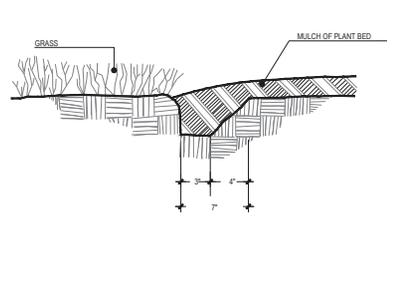
3 GROUND COVER SPACING

N.T.S.



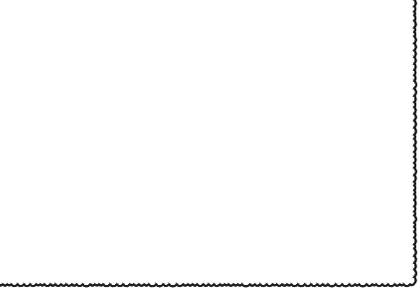
4 EVERGREEN / DECIDUOUS SHRUB

N.T.S.



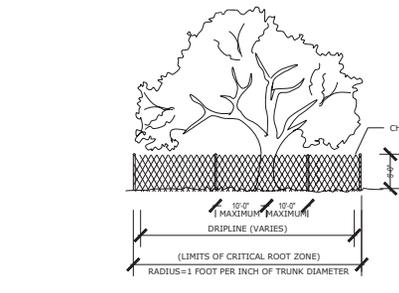
5 TRENCH EDGING

N.T.S.



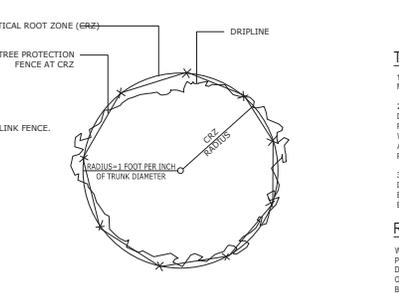
6 TYPICAL PALM STAKING

N.T.S.



7 TYP. TREE PROTECTION

N.T.S.



TREE PROTECTION NOTES

- DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, DO NOT PLACE SOIL DEPOSITS, DEBRIS SOLVENTS, MACHINERY CONSTRUCTION MATERIAL OF ANY KIND WITHIN THE DRP LINE OF A TREE TO REMAIN.
- BEFORE CONSTRUCTION STARTS ALL PROTECTED TREES SHALL BE PRUNED AS FOLLOWS UNLESS OTHERWISE DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. REMOVE ANY DEAD OR DISEASED TRUNKS OR BRANCHES, AND REMOVE WEAK OR CROSSED BRANCHES. ALL CUTS SHALL BE MADE SUFFICIENTLY CLOSE TO THE TRUNK OR PARENT LIMB, WITHOUT CUTTING INTO THE BRANCH COLLAR OR LEAVING A PROTRUDING STUB. SO THAT CLOSURE CAN READILY START. ALL TRIMMING SHALL BE DONE BY A QUALIFIED TREE SURGEON. PRUNING SHALL BE IN ACCORDANCE WITH ANSI A-300 PRUNING STANDARDS.
- ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE DESIGNATED PROTECTED RADIUS. A 3" LAYER OF MULCH SHALL BE IMMEDIATELY APPLIED OVER THE SURFACE OF EXPOSED ROOTS OF PROTECTED TREES. A SOIL AUGER WILL BE USED TO BORE UNDER ROOT SYSTEMS UTILITIES ARE TO BE INSTALLED WITHIN 10' OF A PROTECTED TREE.

ROOT PRUNING NOTE:

WHEN THE CRITICAL ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS. ROOTS CAN BE PRUNED BY UTILIZING TRENCHING EQUIPMENT DESIGNED FOR THIS PURPOSE OR BY HAND DIGGING A TRENCH AND PRUNING ROOTS WITH A PRUNING SAW, CHAIN SAW OR OTHER EQUIPMENT DESIGNED FOR TREE PRUNING. ROOTS LOCATED WITHIN A CRITICAL ROOT ZONE THAT WILL BE IMPACTED BY CONSTRUCTION MUST BE PRUNED TO A DEPTH OF 18 INCHES BELOW THE EXISTING GRADE OR TO THE DEPTH OF DISTURBANCE IF LESS THAN 18 INCHES FROM THE EXISTING GRADE. WHEN UNDERGROUND UTILITY LINES ARE TO BE INSTALLED WITHIN THE CRITICAL ROOT ZONE, THE ROOT PRUNING REQUIREMENTS MAY BE WAIVED IF THE LINES ARE INSTALLED VIA TUNNELING OR DIRECTIONAL BORING AS OPPOSED TO OPEN TRENCHING. A LICENSED CERTIFIED ARBORIST SHALL PROVIDE PRUNING.

GENERAL NOTES: LANDSCAPE PLAN

- CONTRACTOR TO VERIFY WITH OWNER AND UTILITY COMPANIES THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. TO DETERMINE IN THE FIELD THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL CALL UTILITY LOCATE SERVICE 72 HOURS PRIOR TO CONSTRUCTION.
- SITE CONDITIONS BASED UPON SURVEY PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION.
- REFER TO SITE CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWING AS NEEDED.
- REESTABLISH EXISTING TURF IN AREAS DISTURBED BY GRADING OR UTILITY TRENCHING, INCLUDING AREAS IN RIGHT-OF-WAY, TO MATCH EXISTING SPECIES.
- CONTRACTOR SHALL EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING.
- CONTRACTOR TO REPORT ALL DAMAGES TO EXISTING CONDITIONS AND INCONSISTENCIES WITH PLANS TO LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LANDSCAPE BEDS AND ALL LAWN AREAS.
- CONTRACTOR TO FINE GRADE AND ROCK-HOUD ALL TURF AREAS PRIOR TO SEEDING, TO PROVIDE A SMOOTH AND CONTINUAL SURFACE, FREE OF IRREGULARITIES (BUMPS OR DEPRESSIONS), EXTRANEOUS MATERIAL OR DEBRIS.
- REMOVE EXISTING WEEDS FROM PROJECT SITE PRIOR TO THE ADDITION OF ORGANIC AMENDMENTS AND FERTILIZER. APPLY AMENDMENTS AND FERTILIZER AS NEEDED.
- QUANTITIES SHOWN ARE INTENDED TO ASSIST CONTRACTOR IN EVALUATING THEIR OWN TAKE OFFS AND ARE NOT GUARANTEED AS ACCURATE REPRESENTATIONS OF REQUIRED MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS BID QUANTITIES AS REQUIRED BY THE PLANS AND SPECIFICATIONS. IF THERE IS A DISCREPANCY BETWEEN THE NUMBER LABELLED ON THE PLANT LEGEND AND THE QUANTITY OF GRAPHIC SYMBOLS SHOWN, THE GREATER QUANTITY SHALL GOVERN.
- COORDINATE LANDSCAPE INSTALLATION WITH INSTALLATION OF UNDERGROUND SPRINKLER AND DRAINAGE SYSTEMS.
- ALL PLANTS SHALL BE FLORIDA OR BETTER. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH. THEY SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE AND INSECT PESTS, EGGS OR LARVAE. THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS.
- ALL PLANTS, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN STOCK AND SHALL COMPLY WITH ALL REQUIRED INSPECTIONS, GRADING STANDARDS, PLANT REGULATIONS AND REQUIREMENTS FOR MEASUREMENT, BRANCHING AND CULTURAL PRACTICES, AS SET FORTH IN THE FLORIDA DEPARTMENT OF AGRICULTURE "GRADES AND STANDARDS FOR NURSERY PLANTS" (LATEST EDITION), INCLUDING REVISIONS AS DETERMINED BY THE STATE PLANT BOARD OF FLORIDA OR TO THE STANDARDS, AS GIVEN IN THE LATEST "AMERICAN STANDARD FOR NURSERY STOCK," AMERICAN NATIONAL STANDARDS INSTITUTE.
- ONCE PROJECT IS AWARDED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PLANT MATERIAL IN THE SIZE SPECIFIED ON PLAN PRIOR TO INSTALLATION. IN THE EVENT THE PLANT MATERIAL IS NOT AVAILABLE IN THE SIZE SPECIFIED, THE CONTRACTOR SHALL INSTALL LARGER AT NO COST TO OWNER.
- THE LANDSCAPE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ALL PLANT MATERIAL SUBSTITUTIONS FROM THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. PLANT SUBSTITUTIONS WITHOUT PRIOR WRITTEN APPROVAL THAT DO NOT COMPLY WITH THE DRAWINGS AND SPECIFICATIONS MAY BE REJECTED BY THE LANDSCAPE ARCHITECT AND REPLACED BY CONTRACTOR AT NO COST TO THE OWNER.
- PRIOR TO MOBILIZATION THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT, IN WRITING, IF HE/SHE BELIEVES ANY OF THE PLANT MATERIAL IDENTIFIED ON THE PLAN MAY NOT BE SUITABLE FOR THE SITE OR MAY DIE. SUBSTITUTION REQUESTS WILL BE GRANTED BY THE LANDSCAPE ARCHITECT PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. IF NOTIFICATION IS NOT GIVEN TO THE LANDSCAPE ARCHITECT ALL PLANTING WHICH FAILS TO GROW EXCEPT FOR DEFECTS RESULTING FROM LACK OF ADEQUATE MAINTENANCE AS DETERMINED BY THE OWNER, NEGLIGENCE, OR VANDALISM SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- WHERE PROPOSED TREE LOCATIONS OCCUR UNDER EXISTING OVERHEAD UTILITIES OR CROWD EXISTING TREES, NOTIFY LANDSCAPE ARCHITECT TO ADJUST TREE LOCATIONS.
- ALL PLANT MASSES TO BE TOP DRESSED WITH MULCH AS SPECIFIED IN PLANT SCHEDULE. SPREAD UNIFORMLY IN DEPTH OVER THE PLANTING BEDS AS DELINEATED ON THE PLANS UNLESS OTHERWISE NOTED.
- BED EDGE TO BE NO LESS THAN 12" AND NO MORE THAN 18" FROM OUTER EDGE OF PLANT MATERIAL BRANCHING, WHERE GROUND COVER OCCURS. PLANT TO LIMITS OF AREA AS SHOWN.
- ALL PLANTS SHALL BE GUARANTEED FOR 1 YEAR AFTER SUBSTANTIAL COMPLETION OCCURS AND FINAL ACCEPTANCE BY OWNER.
- LANDSCAPE MAINTENANCE PERIOD BEGINS IMMEDIATELY AFTER THE COMPLETION OF ALL PLANTING OPERATIONS AND WRITTEN ACCEPTANCE FROM THE OWNER AND LANDSCAPE ARCHITECT. MAINTAIN TREES, SHRUBS, LAWNS, AND OTHER PLANTS AS PER THE PROJECT MANUAL AND/OR WRITTEN SPECIFICATIONS, IF APPLICABLE. LANDSCAPE MAINTENANCE IS THE LANDSCAPING CONTRACTORS RESPONSIBILITY UNTIL FINAL ACCEPTANCE BY THE OWNER.
- ALL LANDSCAPE MAINTENANCE SHALL BE IN ACCORDANCE WITH LOCAL GOVERNING STANDARDS.
- REFER TO PROJECT MANUAL OR WRITTEN SPECIFICATIONS, IF AVAILABLE, FOR ADDITIONAL REQUIREMENTS.

SOIL PLANTING MIXTURE (MIX ONSITE)

- THE LANDSCAPE CONTRACTOR SHALL FURNISH FROM THEIR SOURCE A GOOD CLEAN, NATIVE SOIL WHICH SHALL MEET THE APPROVAL OF THE OWNER'S REPRESENTATIVE. THIS SOIL SHALL BE USED FOR THE PLANTING MIXTURE AS FOLLOWS:
 - ONE PART COMPOST/MANURE PLANTING MIX, TOPSOIL OR APPROVED EQUAL.
 - ONE PART NATIVE SOIL.
- SOILS WITHIN PLANTING AREAS MUST BE SUITABLE FOR PROPOSED PLANTED MATERIAL & SOIL WITH REGARD TO: pH, SOIL TEXTURE, SOIL STRUCTURE, AND SEASONAL HIGH WATER TABLE. THE CONTRACTOR SHALL ANALYZE EXISTING SOILS LOCATED IN PROXIMITY TO PROPOSED PLANT MATERIAL, AND BE RESPONSIBLE TO AMEND THE SOIL TO OBTAIN ESSENTIAL REQUIREMENTS NECESSARY FOR THE ESTABLISHMENT AND GROWTH OF PLANT LIFE. LANDSCAPE CONTRACTOR TO PROVIDE SOILS REPORT AND APPROPRIATE RECOMMENDATIONS PRIOR TO INSTALLATION TO OWNER'S REPRESENTATIVE FOR REVIEW. FAILURE TO PROVIDE REPORT MAY RESULT IN PLANT MATERIAL BEING REJECTED BY OWNERS REPRESENTATIVE, AND REPLACED AT NO COST TO OWNER.
- THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING PRIOR TO PLANTING, WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, POOR PLANTING SOIL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS.

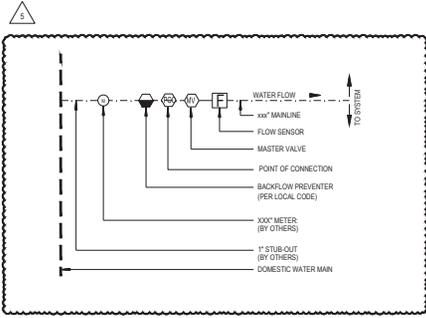


PROJECT: NEW O'REILLY AUTO PARTS STORE
16725 S US 441
SUMMERFIELD, FL 34491

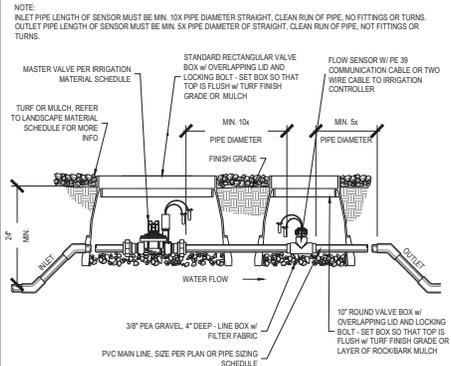
PLANTING DETAILS

DATE: 01/11/24
REVISION: 03/28/25
PROJECT NUMBER: 23332 SM1
SHEET NUMBER: L3

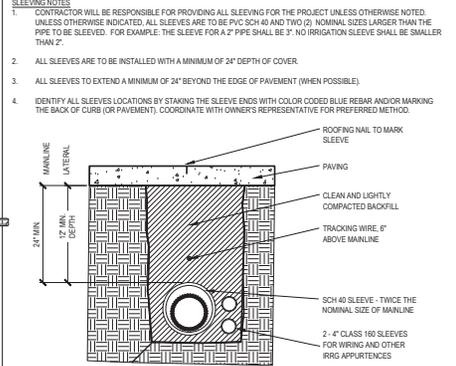
© COPYRIGHT 2016 - DESIGN, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.



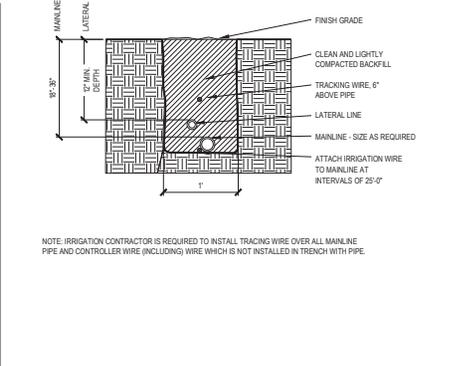
1 POINT OF CONNECTION N.T.S.



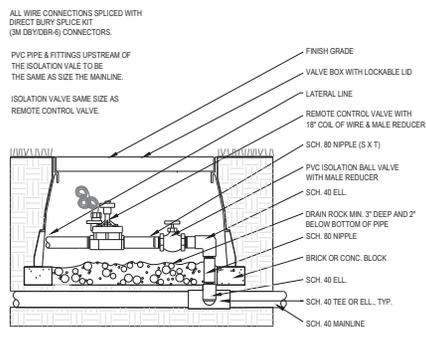
2 MASTER VALVE AND FLOW SENSOR N.T.S.



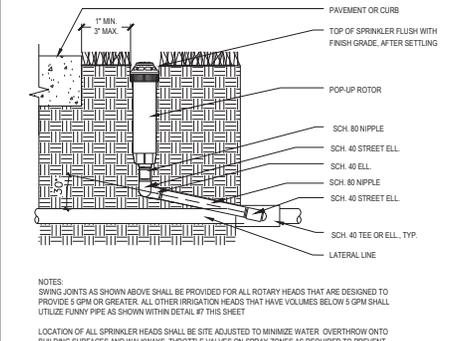
3 MAINLINE SUPPLY LINE SLEEVE AT PAVING N.T.S.



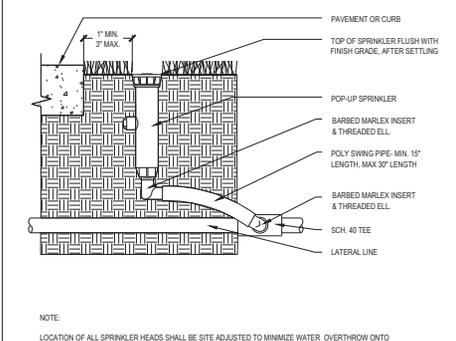
4 IRRIGATION TRENCH N.T.S.



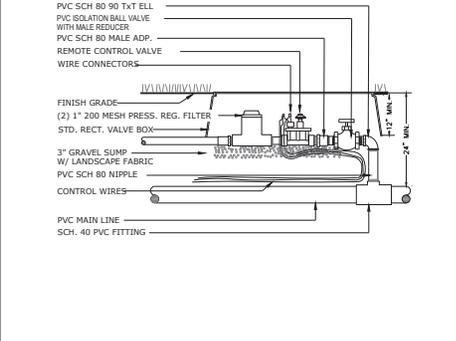
5 REMOTE CONTROL VALVE INSTALLATION N.T.S.



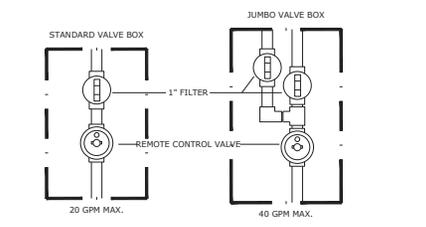
6 ROTARY POP-UP SPRINKLER N.T.S.



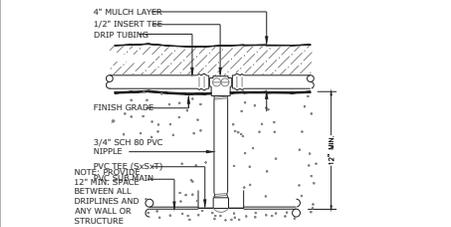
7 6" AND 12" POP-UP SPRINKLER HEAD N.T.S.



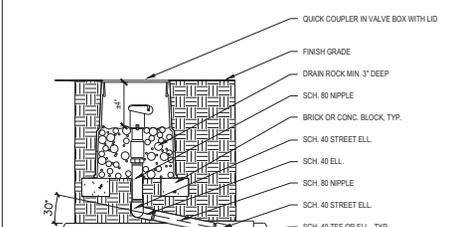
8 DRIP ZONE CONTROL VALVE N.T.S.



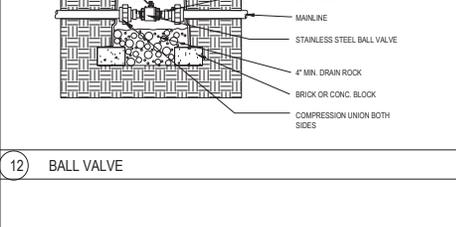
9 DRIP ZONE VALVE - PLAN VIEW N.T.S.



10 PVC-DRIP CONNECTION N.T.S.



11 QUICK COUPLER VALVE N.T.S.



12 BALL VALVE N.T.S.



PROJECT OF RECORD
EDWARD BRODY
 REGISTERED PROFESSIONAL ENGINEER
 LICENSE NO. 16000
 STATE OF FLORIDA
 EXP. 11/30/25

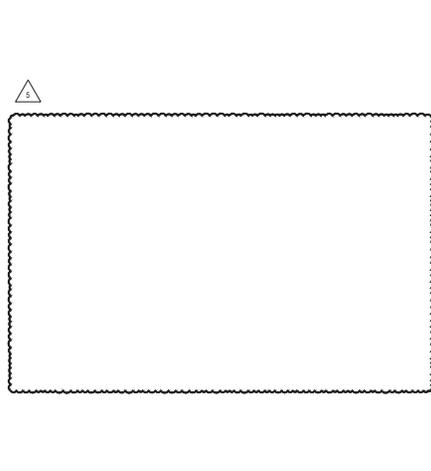
KINETIC
 PROJECT: **NEW O'REILLY AUTO PARTS STORE**
 16725 S US 441
 SUMMERFIELD, FL 34491
 IRRIGATION DETAILS

O'Reilly AUTO PARTS
 CORPORATE OFFICES
 SPRINGFIELD, MISSOURI 65802
 (417) 882-2626 TELEPHONE
 (417) 882-2626 TELEPHONE

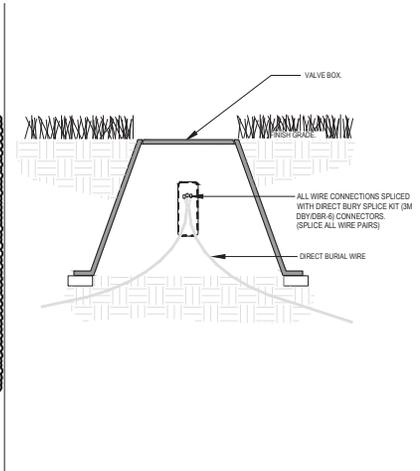
DRAWN BY: **TRH** CHECKED BY: **EAB**
 DATE: **01/11/24**
 REVISION: **03/28/25**
 PROJECT NUMBER: **23332 SM1**
 SHEET NUMBER: **L4**



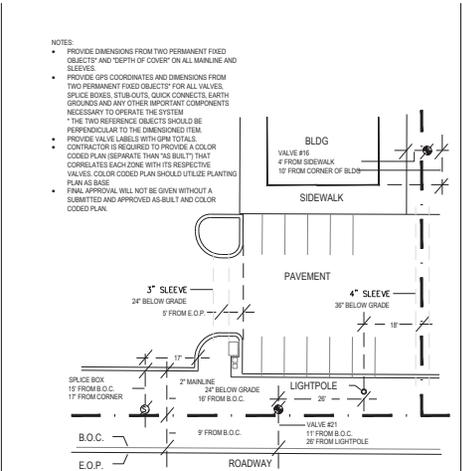
© COPYRIGHT 2018 - DESIGN, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.



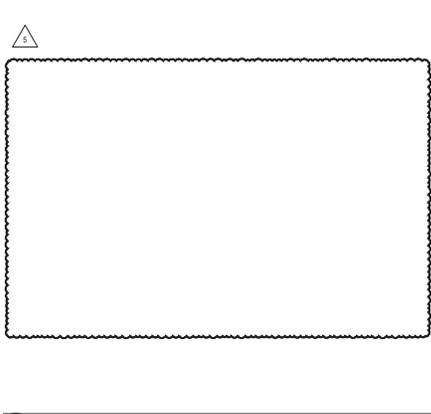
13) CONTROLLER GROUNDING N.T.S.



14) WIRE SPlice N.T.S.



15) TYPICAL "AS BUILT" N.T.S.



16) SURGE PROTECTOR DECODER N.T.S.

- NOTES:
- PROVIDE DIMENSIONS FROM TWO PERMANENT FIXED OBJECTS* AND 'DEPTH OF COVER' ON ALL MAINLINE AND SERVICERS
 - PROVIDE GPS COORDINATES AND DIMENSIONS FROM TWO PERMANENT FIXED OBJECTS* FOR ALL VALVES, SPlice BOXES, STUB-OUTS, QUICK CONNECTS, EARTH GROUNDS AND ANY OTHER IMPORTANT COMPONENTS NECESSARY TO OPERATE THE SYSTEM
 - *THE TWO REFERENCE OBJECTS SHOULD BE PERPENDICULAR TO THE DIMENSION ITEM
 - PROVIDE VALVE LABELS WITH GPS TOTALS
 - CONTRACTOR IS REQUIRED TO PROVIDE A COLOR CODED PLAN (SEPARATE THAN 'AS BUILT') THAT CORRELATES EACH ZONE WITH ITS RESPECTIVE VALVES. COLOR CODED PLAN SHOULD UTILIZE PLANTING PLAN AS BASE
 - IRRIGATION CONTRACTOR WILL NOT BE GIVEN WITHOUT A SUBMITTED AND APPROVED AS BUILT AND COLOR CODED PLAN

GENERAL NOTES: IRRIGATION PLAN

- THE IRRIGATION DISTRIBUTION MAINLINE SHALL BE INSTALLED PER LOCAL AND STATE WATER STANDARDS. ALL IRRIGATION SYSTEMS SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE TO LOCAL, REGIONAL, AND/OR STATE STANDARDS, WHOEVER PRECEDES.
- IF REQUIRED, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE NECESSARY RIGHT-OF-WAY USE ENCROACHMENT PERMITS)
- IRRIGATION CONTRACTOR TO VERIFY WITH OWNER AND UTILITY COMPANIES THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION AND TO DETERMINE IN THE FIELD THE ACTUAL LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES WHETHER SHOWN ON THE PLAN OR NOT. THE IRRIGATION CONTRACTOR SHALL CALL UTILITY PROTECTION SERVICE 2 HOURS PRIOR TO CONSTRUCTION
- IRRIGATION CONTRACTOR WILL ARRANGE INSPECTIONS REQUIRED BY LOCAL AGENCIES & ORDINANCES DURING CONSTRUCTION AS REQUIRED. ALL PRODUCTS, WIRING AND BACKFLOW PREVENTER TO BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES
- IRRIGATION CONTRACTOR TO REPORT ALL DAMAGES TO EXISTING CONDITIONS OR INCONSISTENCIES WITH PLANS TO LANDSCAPE ARCHITECT
- IRRIGATION CONTRACTOR SHALL EXAMINE FINISH SURFACE, GRADES, TOPSOIL QUALITY AND DEPTH. DO NOT START ANY WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. VERIFY LIMITS OF WORK BEFORE STARTING
- IRRIGATION CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION WITH INSTALLATION OF LANDSCAPING, WALL CONSTRUCTION AND DRAINAGE SYSTEMS. IRRIGATION CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATION WITH OTHER SUBCONTRACTORS FOR INSTALLATION OF UNDERGROUND SLEEPING
- ALL PRODUCTS OR ANY OTHER EQUIPMENT REQUIRED THAT IS NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS AND ACCORDING TO LOCAL BUILDING, ELECTRICAL, AND PLUMBING CODES
- PRIOR TO BACKFILLING TRENCHES CONTRACT OWNER'S REPRESENTATIVE TO VERIFY WIRE PATH ROUTING, CONTROLLER WIRE AND SPlicing CONNECTIONS
- LAYOUT OF THE SYSTEM AS SHOWN ON DRAWINGS IS DIAGRAMMATIC. IRRIGATION LINES SHOWN WITHIN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY. IRRIGATION HEADS AND PIPES ARE TO BE PLACED WITHIN LANDSCAPED AREAS WITH THEIR LOCATIONS MODIFIED AS REQUIRED TO AVOID PLANT MATERIALS, UTILITIES AND OTHER OBSTRUCTIONS
- IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED
- CONTRACTOR TO PROVIDE OWNER WITH KEYS AND HOSE SERVICERS FOR EACH QUICK COUPLER VALVE
- CONTRACTOR SHALL PROVIDE A REPRODUCIBLE DIGITAL AS-BUILT IRRIGATION PLAN. PLAN SHALL BE PREPARED, PRIOR TO FINAL ACCEPTANCE OF IRRIGATION INSTALLATION, ON A REPRODUCIBLE SITE PLAN PROVIDED TO CONTRACTOR BY LANDSCAPE ARCHITECT. AS BUILT PLAN SHALL BE SUBMITTED TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SUBSTANTIAL COMPLETION INSPECTION. AS BUILT SHALL INCLUDE A MASTER VALVEZONE SCHEDULE INCLUDING SPECIFICATIONS FOR INSTALLED VALVES, ZONE TYPE AND GALLONS PER MINUTE. SEE SPECS FOR FURTHER INFORMATION
- IRRIGATION CONTRACTOR SHALL PROVIDE A COLOR-CODED MAP OF THE AREA SERVED BY EACH CONTROLLER. SEALED IN PLASTIC OR LAMINATED, AND PLACE IT IN EACH CONTROLLER BOX UPON FINAL ACCEPTANCE
- CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FOR ALL PRODUCT SUBSTITUTIONS BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. PRODUCTS, MANUFACTURERS, AND MODELS NOT IN COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS MAY BE REJECTED BY THE LANDSCAPE ARCHITECT WITHOUT PRIOR WRITTEN APPROVAL. AT NO COST TO THE OWNER THESE ITEMS MAY BE REQUIRED TO BE REPLACED WITH PRODUCTS THAT ARE IN COMPLIANCE WITH THE MANUFACTURERS AND MODELS ON THE IRRIGATION PLAN
- CONTRACTOR TO INSTALL IRRIGATION CONTROL EQUIPMENT UNIT (CONTROL CABINET) AT LOCATION SHOWN ON DRAWINGS. STATE OUT EXACT LOCATION FOR OWNER'S REPRESENTATIVE'S REVIEW PRIOR TO EXCAVATING FOR THE FOOTING. INSTALL LEVEL AND PLUMB ON COMPACTED SUBSOIL AND BASE ROCK AS SHOWN ON DRAWINGS
- IRRIGATION CONTRACTOR SHALL PROVIDE POWER AND WATER FOR ALL LANDSCAPE ELEMENTS TO PROVIDE A COMPLETE OPERATING IRRIGATION SYSTEM. THE GENERAL CONTRACTOR AND/OR OWNER SHALL PROVIDE 120-VOLT POWER TO THE CONTROLLER. LOCATIONS, COORDINATE AS NEEDED. THE IRRIGATION CONTRACTOR SHALL PROVIDE AND INSTALL ELECTRICAL CONDUITS AND WIRING TO PROVIDE POWER FROM ELECTRICAL BRANCH PANEL TO THE IRRIGATION CONTROL EQUIPMENT UNIT. IRRIGATION CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE WITH AN ELECTRICIAN AS NEEDED
- AT EACH IRRIGATION CONTROLLER, INSTALL A "SECONDARY SURGE ARRESTER" TO THE INCOMING (120-VOLT) POWER SUPPLY (INTERNATIC #AG2401 OR EQUAL)
- PROVIDE AND INSTALL CONDUIT SWEATERS AND STRAIGHT SECTIONS FROM IRRIGATION TRENCHES TO THE CONTROLLER. ROUTE CONTROL WIRE THROUGH CONDUITS INTO CONTROLLER CABINET. NEATLY CONNECT WIRES TO TERMINAL STRIPS PROVIDED IN THE CONTROLLER CABINET
- THE WIRELESS RAIN SHUTOFF DEVICE SHALL BE INSTALLED TO MEET LOCAL CODES AND/OR MINIMUM MANUFACTURER'S RECOMMENDATIONS. OBSTRUCTIONS, VANDALISM, AND EASE OF SERVICE SHALL BE CONSIDERED IN LOCATING THE DEVICE. DO NOT LOCATE IN AN AREA SHELTERED FROM RAIN
- ALL WIRE SPlices OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPlice BOX
- PROTECT IRRIGATION CONTROL EQUIPMENT UNIT FROM DAMAGE AFTER INSTALLATION AND UNTIL FINAL ACCEPTANCE. THE UNIT SHALL BE IN BRAND NEW CONDITION WHEN FULL OPERATION OF THE SYSTEM IS TURNED OVER TO THE OWNER AFTER FINAL ACCEPTANCE. THE CONTRACTOR SHALL, AT THEIR OWN EXPENSE, REPLACE ALL OR PART OF THE UNIT THAT IS DAMAGED AND UNACCEPTABLE TO THE OWNER
- WHEREVER PRACTICAL, INSTALL VALVES IN MULCHED BEDS AND/OR OUT OF HIGH TRAFFIC AREAS. IF INSTALLED IN LAWN, INSTALL 3" AWAY FROM BED EDGE. ONE VALVE PER VALVE BOX UNLESS OTHERWISE NOTED. ALL VALVES FLUSH VALVES AND WIRE SPlices SHALL BE INSTALLED IN RAIN BIRD WIDE FLANGED, STRUCTURAL FOAM "PLASTIC" VALVES BOXES WITH LIDS (OR APPROVED EQUAL) AS FOLLOWS:

REMOTE CONTROL VALVES	#VB-STD, 1/2" STD. RECT. BOX
ISOLATION GATE VALVES	#VB-10RD, 10" ROUND BOX
WIRE SPlices	#VB-10RD, 10" ROUND BOX
DRIP ZONE VALVE / FILTER ASSY	#VB-SPP, SUPER JAMBO RECT. BOX
- LOCATE VALVE MANIFOLDS IN CLOSE PROXIMITY FOR EASE OF MAINTENANCE, BUT NOT CLOSER THAN 4'-0" BETWEEN VALVE BOXES
- INSTALL DRIP TUBING AT GRADE AND COVER WITH MULCH. TYPICAL SPACING FOR DRIP TUBING IS 18" TO 24" ON CENTER. SPACING TO BE DETERMINED BY SOIL TYPE, ANCHOR TUBING EVERY 7' WITH 1/4" LONG WIRE TUBING STAKES. INSTALL FLUSH VALVE ASSEMBLIES AT ALL TUBING "DEAD ENDS"
- SET AND UTILIZE CONTROLLER TO WATER NEW PLANTINGS FOR THE DURATION OF THE PROJECT UNTIL FINAL ACCEPTANCE
- IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE RUN TIMES SO THAT TURF AND PLANTS ARE NOT OVER WATERED AND SHALL BE RESPONSIBLE FOR KEEPING THE SITE FREE OF STANDING WATER
- IRRIGATION CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LANDSCAPED BEDS AND ALL LAWN AREAS
- THE INSTALLING CONTRACTOR MUST HOLD A CURRENT, VALID FLORIDA IRRIGATION CONTRACTORS LICENSE
- THE DESIGN IS BASED ON SITE INFORMATION AND/OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET (AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURERS AND MODEL, TO BE USED, WATER SOURCE INFORMATION, ELECTRICAL POWER AVAILABILITY, ETC.). CESO BEARS NO RESPONSIBILITY OR LIABILITY FOR ANY ERRORS IN DESIGN OR INSTALLATION THAT ARISE DUE TO INACCURACIES IN THE ABOVE REFERENCED INFORMATION SUPPLIED TO CESO IN RELATION TO THIS PROJECT, UNLESS OTHERWISE NOTED.

PROJECT:
NEW O'REILLY AUTO PARTS STORE
 16725 S US 441
 SUMMERFIELD, FL 34491

IRRIGATION DETAILS

CORPORATE OFFICES:
 SPRINGFIELD, MISSOURI 65802
 (417) 886-2629 TELEPHONE
 (417) 886-2629 TELEPHONE

DRAWN BY: TRH
 CHECKED BY: EAB
 DATE: 01/11/24
 REVISION: 03/28/25
 PROJECT NUMBER: 23332 SM1
 SHEET NUMBER: L5

Stantec

Stantec Consulting Services Inc.
 380 Park Place Boulevard, Suite 300
 Channahon, Illinois 63159 | Tel: 722.231.2625
 www.stantec.com
 Certificate of Authorization #27013
 R.L. Lic. # LC-C000170

© COPYRIGHT 2016 - DESIGN, DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND ARE THE PROPERTY OF THE DESIGN PROFESSIONAL. REPRODUCTION PROHIBITED WITHOUT THE EXPRESSED WRITTEN CONSENT OF THE DESIGN PROFESSIONAL.

