AUTO PARTS

New O'Reilly Auto Parts Store
FL-HWY 44
EUSTIS, FL

RECORD LEGAL DESCRIPTION

A PARCEL OF LAND SITUATED IN SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, LAKE COUNTY, FLORIDA, BEING A PORTION OF TRACT C, PER PLAT OF SORRENTO HILLS PHASES 1 & 2, RECORDED IN PLAT BOOK 48, PAGE 4, OF THE PUBLIC RECORDS OF SAID COUNTY, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST ONE-QUARTER (NE 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 28 EAST; THENCE NORTH 01°11'20" EAST, ALONG THE EAST LINE OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, A DISTANCE OF 1948.97 FEET; THENCE DEPARTING SAID EAST LINE, THE FOLLOWING THREE (3) COURSES ALONG THE SOUTH LINE OF AFOREMENTIONED TRACT C AND THE EASTERLY PROJECTION THEREOF; NORTH 89°06'26" WEST, A DISTANCE OF 1078.08 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89°06'26" WEST, A DISTANCE OF 101.65 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 125.00 FEET AND BEING SUBTENDED BY A CHORD BEARING OF NORTH 47°58'06" WEST AND A CHORD DISTANCE OF 164.47 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 82°16'39", AN ARC DISTANCE OF 179.50 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE THE FOLLOWING TWO (2) COURSES ALONG THE WEST LINE OF SAID TRACT C; NORTH 06°49'46" WEST, A DISTANCE OF 121.86 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 275.00 FEET AND BEING SUBTENDED BY A CHORD BEARING OF NORTH 08°44'00" WEST AND A CHORD DISTANCE OF 18.27 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 03°48'29", AN ARC DISTANCE OF 18.28 FEET TO THE END OF SAID CURVE; THENCE NORTH 78°46'40" EAST, A DISTANCE OF 37.33 FEET TO A POINT ON A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 50.50 FEET AND BEING SUBTENDED BY A CHORD BEARING OF SOUTH 69°50'57" EAST AND A CHORD DISTANCE OF 38.92 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 45°19'38", AN ARC DISTANCE OF 39.95 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE NORTH 87°29'14" EAST, A DISTANCE OF 160.40 FEET; THENCE SOUTH 01°44'44" EAST, A DISTANCE OF 251.77 FEET TO THE POINT OF BEGINNING.

SURVEY LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN THE SOUTHWEST QUARTER OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, LAKE COUNTY, FLORIDA, BEING A PORTION OF TRACT C, SORRENTO HILLS PHASES 1 & 2, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 48, PAGE 4, OF THE PUBLIC RECORDS OF LAKE COUNTY, ALSO BEING KNOWN AS OUTPARCEL C THEREOF AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE NORTHEAST CORNER OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 28 EAST; THENCE CONTINUING ALONG THE EAST LINE OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, NORTH 01 DEGREE 11 MINUTES 20 SECONDS EAST FOR A DISTANCE OF 1948.97 FEET; THENCE NORTH 89 DEGREES 06 MINUTES 26 SECONDS WEST FOR DISTANCE OF 1078.08 FEET TO A 5/8" REBAR FOUND (PSM 5913) ALONG THE NORTHERLY RIGHT OF WAY OF TUSCANY AVENUE (50' PRIVATE R/W), SAID POINT BEING THE POINT OF BEGINNING FOR THE HEREIN DESCRIBED PARCEL OF LAND; THENCE CONTINUING ALONG SAID RIGHT OF WAY OF TUSCANY AVENUE, NORTH 89 DEGREES 16 MINUTES 07 SECONDS WEST FOR A DISTANCE OF 101.43 FEET TO A 5/8" REBAR & CAP FOUND (LB 1221); THENCE ALONG A CURVE TO THE RIGHT AN ARC LENGTH OF 179.50 FEET, SAID CURVE HAVING A RADIUS OF 125.00 FEET AND BEING SUBTENDED BY A CHORD BEARING NORTH 47 DEGREES 58 MINUTES 06 SECONDS WEST FOR A DISTANCE OF 164.47 FEET TO A 5/8" REBAR & CAP FOUND (LB 1221); THENCE NORTH 06 DEGREES 49 MINUTES 46 SECONDS WEST FOR A DISTANCE OF 122.02 FEET TO A CROSS CUT FOUND IN THE CONCRETE SIDEWALK; THENCE ALONG A CURVE TO THE LEFT AN ARC LENGTH OF 18.06 FEET, SAID CURVE HAVING A RADIUS OF 275.00 FEET AND BEING SUBTENDED BY A CHORD BEARING NORTH 08 DEGREES 44 MINUTES 42 SECONDS WEST FOR A DISTANCE OF 18.06 FEET TO A 5/8" REBAR & CAP FOUND (LB 7274); THENCE LEAVING SAID RIGHT OF WAY OF TUSCANY AVENUE, NORTH 78 DEGREES 46 MINUTES 43 SECONDS EAST FOR A DISTANCE OF 37.38 FEET TO A 5/8" REBAR & CAP FOUND (LB 7274); THENCE ALONG A CURVE TO THE LEFT AN ARC LENGTH OF 39.95 FEET, SAID CURVE HAVING A RADIUS OF 50.50 FEET, BEING SUBTENDED BY A CHORD BEARING SOUTH 69 DEGREES 56 MINUTES 56 SECONDS EAST FOR A DISTANCE OF 38.92 FEET TO A 5/8" REBAR & CAP FOUND (NO ID); THENCE NORTH 87 DEGREES 23 MINUTES 16 SECONDS EAST FOR A DISTANCE OF 160.40 FEET TO A POINT LYING 4.38 FEET SOUTH AND 5.60 NORTH OF TWO WITNESS NAILS FOUND; THENCE SOUTH 01 DEGREE 40 MINUTES 44 SECONDS EAST FOR A DISTANCE OF 251.77 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS 52,425 SQUARE FEET OR 1.204 ACRES MORE OR LESS.

FLOOD ZONE

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 12069C 0385E, EFFECTIVE DATE: DECEMBER 18, 2012. THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE FLOODPLAIN.

BENCHMARK INFORMATION

1. NAIL IN CURB NORTH OF SUBJECT PROPERTY.
   ELEV = 93.84
2. PAINTED BOLT ON FIRE HYDRANT (BETWEEN "FM" AND "FIRE" LOCATED EAST OF SUBJECT PROPERTY.
   ELEV = 92.84

UTILITY CONTACTS

WATER & SANITARY SEWER
AUTHORITY: CITY OF EUSTIS WATER DEPARTMENT
ADDRESS: 901 BATES AVE
EUSTIS, FL 32726
CONTACT: PAUL SHEPARD
PHONE #: 352-357-5618

ELECTRIC
AUTHORITY: SUMTER ELECTRIC COOPERATIVE, INC.
ADDRESS: 15720 US 441
EUSTIS, FL 32726
CONTACT: HILLARY BREWER
PHONE #: 352-569-9568

GAS
AUTHORITY: TECO-PEOPLES GAS EUSTIS
ADDRESS: 1724 KURT ST
EUSTIS, FL 32726
CONTACT: CHEYENNE THOMPSON
PHONE #: 813-743-7164

CATV
AUTHORITY: COMCAST
CONTACT: ANDREW SWEENEY
PHONE #: 904-738-6898

FIBER/TELEPHONE
AUTHORITY: CENTURYLINK
CONTACT: BILL McCLOUD
PHONE #: 850-815-3144

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

SITE INFORMATION

PARCEL ID: 121927190000C00004
ALT KEY: 3891757
SECTION 7 TOWNSHIP 19S RANGE 28E

OWNER

SORRENTO PBX LLC
3802 COCONUT PALM DR
TAMPA, FL 33619

PRESIDENT / CEO / MGR: ANTHONY SARAVANOS
SECRETARY: ANDREW L GRAHAM

DEVELOPER

O'REILLY AUTO PARTS
O'REILLY AUTOMOTIVE STORES, INC. A MISSOURI CORPORATION
(FORMERLY KNOWN AS O'REILLY AUTOMOTIVE, INC.)
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
417-862-2674 PHONE

DIRECTOR	DAVID O'REILLY
CEO	BRAD BECKHAM
CORPORATE SECRETARY	JULIE GRAY

BIDDING INFORMATION:
REFER TO OWNER'S WEB SITE: HTTP://WWW.OREILLYPLANROOM.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.

CIVIL ENGINEER

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

AGENCY CONTACTS

SITE DEVELOPMENT REGULATION
LAKE COUNTY PLANNING & ZONING
ADDRESS: 315 W. MAIN STREET, SUITE 510
TAVARES, FL 32778
PHONE #: (352) 343-9632
CONTACT: SHARI HOLT, PLANNER II

FIRE & RESCUE
LAKE COUNTY FIRE SAFETY / FIRE RESCUE
ADDRESS: 315 W. MAIN STREET, SUITE 411
TAVARES, FL 32778
PHONE #: (352) 343-9653
CONTACT: ELISA YANES

GENERAL NOTES

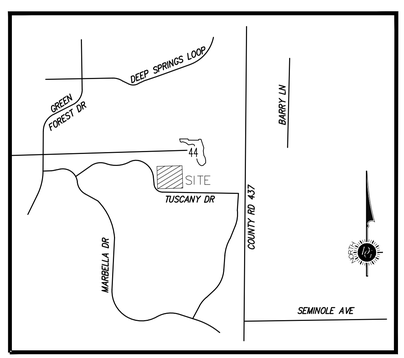
A. CONTRACT ADMINISTRATION (LIMITED SERVICE): THE ARCHITECT AND/OR ENGINEER OF RECORD INDICATED HEREIN ARE PROVIDING A LIMITED SERVICE AND NOT PROVIDING CONTRACT ADMINISTRATION SERVICES FOR THIS PROJECT WHICH IS THE RESPONSIBILITY OF OTHERS. THE ARCHITECT AND/OR ENGINEER ARE NOT RESPONSIBLE FOR FIELD 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. PURSUANT TO LDR SECTION 6.06.01(F), SOIL REMOVAL FROM THE SITE SHALL NOT EXCEED 200% OF THE VOLUME AREA OF THE NEEDED RETENTION/DETENTION VOLUME REQUIRED."

E. PURSUANT TO LDR 9.09.00, THE PROPOSED O'REILLY AUTO PARTS STORE WILL NOT EXCEED THE CURRENT NOISE LEVELS. A NOISE STUDY IS NOT REQUIRED DUE TO INDOOR RETAIL USE.



VICINITY MAP
SECTION 7 TOWNSHIP 19S RANGE 28E
SCALE: 1" = 1,000'

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 DEVELOPMENT DETAILS 1
C9	SITE DEVELOPMENT DETAILS 2
C10	CONCRETE JOINT DETAILS
C11	SITE UTILITY DETAILS 1
AERIAL	AERIAL
L1	PLANTING PLAN
L2	IRRIGATION PLAN
L3	PLANTING DETAILS
L4	IRRIGATION DETAILS
L5	IRRIGATION DETAILS

COUNTY STAMP APPROVAL

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
08/22/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

COVER SHEET

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	05-23-2025
REVISION DATE:	08-15-25

CT1

O'Reilly AUTO PARTS

New O'Reilly Auto Parts Store
HWY FL. 44
EUSTIS, FL #2

ABBREVIATIONS LEGEND

AFF	ABOVE FINISHED FLOOR
AC	ACOUSTICAL
A/C	AIR CONDITIONING
ALT	ALTERNATE
AL	ALUMINUM
ALUM	ALUMINUM
AB	ANCHOR BOLT
ARCH	ARCHITECT (URAL)
BSMT	BASEMENT
BRG	BEARING
BM	BENCH MARK
BEL	BELOW
BLK	BLOCK
BLKG	BLOCKING
BD	BOARD
BW	BOTH WAYS
BOT	BOTTOM
BF	BOTTOM OF FOOTING
BOF	BOTTOM OF FOOTING
BRK	BRICK
BLDG	BUILDING
BUR	BUILT-UP ROOFING
CAB	CABINET
CLG	CEILING
CL	CENTER LINE
C/O	CENTER OF
CC	CENTER TO CENTER
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CONT	CONTINUOUS
CNTR	COUNTER
CFL	COUNTER FLASHING
CISK	COUNTERSUNK
CRS	COURSE(S)
CF	CUBIC FOOT
CY	CUBIC YARD
DL	DEAD LOAD
DEM	DEMOLISH, DEMOLITION
DTL	DETAIL
DIAG	DIAGONAL
DIAM	DIAMETER
DIM	DIMENSION
DR	DOOR
DS	DOWN SPOUT
D	DRAIN
DWG	DRAWING
DF	DRINKING FOUNTAIN
E	EAST
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
ELEC	ELECTRIC(AL)
EWC	ELECTRIC WATER COOLER
EL	ELEVATION
ELEV	ELEVATION
ELEV	ELEVATOR
EMER	EMERGENCY
EQ	EQUAL
EXG	EXISTING
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FOF	FACE OF FINISH
FO	FACE OF
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FIN	FINISH(ED)
FFE	FINISHED FLOOR ELEV.
FFL	FINISHED FLOOR LINE
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FT	FIRE TREATED
FLG	FLASHING
FLR	FLOOR
FD	FLOOR DRAIN
FTG	FOOTING
FDN	FOUNDATION
FNDN	FOUNDATION
FUR	FURRED(ING)
GA	GAGE, GAUGE
GV	GALVANIZED
GALV	GALVANIZED
GC	GENERAL CONTRACT(OR)
GL	GLASS, GLAZING
GP	GYPSUM
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HTG	HEATING
HVAC	HEATING/VENTILATING/AIR COND.
HT	HEIGHT
HC	HOLLOW CORE
HM	HOLLOW METAL
HK	HOOK(S)
HOR	HORIZONTAL
HB	HOSE BIBB
INS	INSULATE(D), (ION)
INSUL	INSULATE
INT	INTERIOR
JST	JOIST
JT	JOINT
JNT	JOINT
KIT	KITCHEN
LH	LEFT HAND
LF	LINEAL FOOT
LTL	LENGTH
L	LINTEL
LL	LIVE LOAD
MACH	MACHINE
MH	MANHOLE
MFR	MANUFACTURER
MAS	MASONRY
MO	MASONRY OPENING
MAX	MAXIMUM
MECH	MECHANIC(AL)
MED	MEDIUM
MBR	MODIFIED BITUMEN ROOFING
MET	METAL
MTL	METAL
M	METER(S)
MWK	MILLWORK
MIN	MINIMUM
MISC	MISCELLANEOUS
MT	MOUNT(ED), (ING)
NOM	NOMINAL
N	NORTH
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER(S)
OPG	OPENING
OPH	OPPOSITE HAND
OD	OUTSIDE DIAMETER
OO	OUT TO OUT
OA	OVERALL
OH	OVERHEAD
PC	PIECE
PNT	PAINT(ED)
PTD	PAINT(ED)
PKG	PARKING
PLAM	PLASTIC LAMINATE
PL	PLATE
PWD	PLYWOOD
PVC	POLYVINYL CHLORIDE
PSF	POUNDS PER SQUARE FT.
PSI	POUNDS PER SQUARE IN.
PT	PRESSURE TREATED
PL	PROPERTY LINE
REM	REMOVE
RET	RETURN
RH	RIGHT HAND
RD	ROOF DRAIN
RFG	ROOFING
RM	ROOM
RO	ROUGH OPENING
SNT	SEALANT
SLNT	SEALANT
SEC	SECTION
SECT	SECTION
SHTHG	SHEATHING
SHT	SHEET
SIM	SIMILAR
SC	SOLID CORE
S	SOUTH
SF	SQUARE FOOT
SI	SQUARE INCH
SY	SQUARE YARD
STD	STANDARD
STO	STORAGE
SUS	SUSPENDED
SYM	SYMMETRY, (ICAL)
TEL	TELEPHONE
TV	TELEVISION
THK	THICK(NESS)
T&G	TONGUE & GROOVE
TM	TOP OF MASONRY
TOM	TOP OF MASONRY
TS	TOP OF STEEL
TOS	TOP OF STEEL
TW	TOP OF WALL
TOW	TOP OF WALL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VT	VINYL TILE
WSCT	WAINSCOT
WC	WATER CLOSET
WWF	WELDED WIRE FABRIC
W	WEST
W	WIDTH, WIDE
WIN	WINDOW
WO	WITHOUT
W/O	WITHOUT
WD	WOOD

SYMBOLS LEGEND

- X / XX — SECTION NUMBER / SECTION / ELEVATION MARK / SHEET NUMBER
- X / XX — DETAIL NUMBER / DETAIL MARK / SHEET NUMBER
- WT? — WALL TYPE MARK
- (?) — DOOR MARK
- [?] — WINDOW MARK
- (#) — GRID MARK

OWNER OR TENANT

O'Reilly AUTO PARTS

O'REILLY AUTOMOTIVE STORES, INC. A MISSOURI CORPORATION
(FORMERLY KNOWN AS O'REILLY AUTOMOTIVE, INC.)
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
417-862-2674 PHONE

BIDDING INFORMATION:
REFER TO OWNER'S WEB SITE:
HTTP://WWW.OREILLYPLANROOM.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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

STRUCTURAL ENGINEER

JS Smith Consulting Engineers, P.C.
Florida State Certificate of Authorization No. 26287
Aaron D. Smith P.E. 78886 Jeffrey S. Smith P.E. 34027
1801 W 32nd St. Bldg. B Ste. 104 * Joplin, Missouri 64804
P.O. Box 8102 * Joplin, Missouri 64802
Phone: 417-624-0444 * Fax: 417-624-0430

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.

MECH. / ELEC. ENGINEER

SGE
SMITH-GOTH ENGINEERS, INC.
3855 S. JEFFERSON AVE. P: 417-882-2200
SPRINGFIELD, MO 65807 F: 417-882-1188
WWW.SMITHGOTH.COM

CIVIL ENGINEER

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

QUALITY CONTROL

1. REFER TO PROJECT MANUAL, SECTION 01 45 16 - QUALITY CONTROL PROCEDURES, FOR ADDITIONAL REQUIREMENTS.

2. REFER TO STRUCTURAL DRAWINGS FOR SCHEDULE OF SPECIAL INSPECTIONS, IF INDICATED.

3. WHERE REQUIRED, THE OWNER SHALL PROVIDE THE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO PERFORM TESTING AND SPECIAL INSPECTIONS INDICATED.

SHEET INDEX

SHEET NUMBER	SHEET NAME
T1.1	COVER SHEET
T1.2	SCOPE OF WORK SCHEDULE
G1.1	CODE SUMMARY PLAN
CT1	CIVIL 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 DEVELOPMENT DETAILS 1
C9	SITE DEVELOPMENT DETAILS 2
C10	CONCRETE JOINT DETAILS
C11	SITE UTILITY DETAILS 1
L1	PLANTING PLAN
L2	IRRIGATION PLAN
L3	PLANTING DETAILS
L4	IRRIGATION DETAILS
L5	IRRIGATION DETAILS
S1.1	STRUCTURAL NOTES
S2.1	FOUNDATION PLAN
S3.1	FOUNDATION DETAILS
S3.2	FOUNDATION DETAILS
S4.1	FRAMING PLAN
S5.1	FRAMING DETAILS
S5.2	FRAMING DETAILS
S5.3	FRAMING DETAILS
A1.1	FLOOR PLAN
A1.2	INTERIOR FINISH PLAN
A2.1	EXTERIOR ELEVATIONS
A3.1	WALL SECTIONS
A3.2	WALL SECTIONS
A3.3	WALL SECTIONS
A4.1	INTERIOR ELEVATIONS
A4.2	INTERIOR SECTIONS AND DETAILS
A5.1	DOOR SCHEDULE
A5.2	WINDOW SCHEDULE
A6.1	EXTERIOR DETAILS

SHEET INDEX

SHEET NUMBER	SHEET NAME
US1	UTILITIES SITE PLAN
SP1	SITE LIGHTING PHOTOMETRICS
SP2	SITE LIGHTING DETAILS
SP3	SITE LIGHTING DETAILS
P1	PLUMBING PLAN
P2	PLUMBING DETAILS
M1	HVAC PLAN
M2	HVAC SCHEDULES
M3	HVAC DETAILS
E1	LIGHTING PLAN
E2	POWER PLAN
E3	ELECTRICAL SCHEDULES
E4	ELECTRICAL NOTES
EM1.0	SIEMENS EMS
EM1.1	SIEMENS EMS
EM1.2	SIEMENS EMS
EM1.3	SIEMENS EMS
SG1.1	SITE SIGNAGE PLAN
SG1.2	SITE SIGNAGE DETAILS
SG2.1	BUILDING EXTERIOR SIGNAGE

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

1-22-26

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

COVER SHEET

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	5-23-25
REVISION DATE:	1-22-26

T1.1

SCOPE OF WORK SCHEDULE

PROJECT MANUAL (CSI) SECTION REF. NUMBER	SECTION NAME REFERENCE / ITEM OR WORK DESCRIPTION	FURNISHED BY CONTRACTOR	INSTALLED BY CONTRACTOR	FURNISHED BY OWNER	INSTALLED BY OWNER	CONTACT INFORMATION: COMPANY & ADDRESS	CONTACT INFORMATION: POINT OF CONTACT, PHONE (P), FAX (F), OR EMAIL (E)
01 11 00	SUMMARY OF WORK (GENERAL BUILDING PERMIT, STATE DEPARTMENT OF TRANSPORTATION PERMITS, STATE DEPARTMENT OF NATURAL RESOURCES PERMITS)			X		O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
01 11 00	SUMMARY OF WORK (ALL TRADE PERMITS, UTILITY IMPACT AND CONNECTION FEES, OR PERMITS AND FEES REQUIRED FOR PROJECT COMPLETION)	X					
01 45 16	QUALITY CONTROL PROCEDURES (TESTING & SPECIAL INSPECTIONS)		X	X		(TO BE DETERMINED)	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
07 21 00	BUILDING INSULATION (PRE-ENGINEERED METAL BUILDING BATT)		X	X		SILVERCOTE, LLC (INSULATION) 25 LOGUE COURT GREENVILLE, SOUTH CAROLINA 29615	DREW MAULDIN P: 864.603.2816 OReillyAutoParts@silvercote.com
08 11 19	STEEL DOORS AND FRAMES (EXTERIOR SWING UNITS)		X	X		GLOBAL BUILDING PRODUCTS 1121 HERMAN STREET ELKHART, INDIANA 46516	ANDREW CARPENTER CLAYTON BJURSTROM P: 574.296.6868
08 11 19	STEEL DOORS AND FRAMES (INTERIOR SWING UNITS)	X	X			**(REFER TO NOTE NO. 1)** LOCKNET 100 COURCHELLE DRIVE NICHOLASVILLE, KY 40356	PAM PEEL P: 800.887.4307, EXT: 133 F: 859.881.5499 construction@locknet.com
08 14 16	FLUSH WOOD DOORS (INTERIOR SWING UNITS)	X	X			**(REFER TO NOTE NO. 1)** LOCKNET 100 COURCHELLE DRIVE NICHOLASVILLE, KY 40356	PAM PEEL P: 800.887.4307, EXT: 133 F: 859.881.5499 construction@locknet.com
08 71 00	DOOR HARDWARE (EXTERIOR SWING UNITS)		X	X		GLOBAL BUILDING PRODUCTS 1121 HERMAN STREET ELKHART, INDIANA 46516	ANDREW CARPENTER CLAYTON BJURSTROM P: 574.296.6868
08 71 00	DOOR HARDWARE (INTERIOR SWING UNITS)	X	X			**(REFER TO NOTE NO. 1)** LOCKNET 100 COURCHELLE DRIVE NICHOLASVILLE, KY 40356	PAM PEEL P: 800.887.4307, EXT: 133 F: 859.881.5499 E: construction@locknet.com
08 44 12	GLAZED ALUMINUM CURTAIN WALLS	X	X			**(REFER TO NOTE NO. 1)** COULTER & COMPANY 13711 E. 66TH STREET NORTH OWASSO, OK 74055	CARL YORMAN P: 918.272.4494 F: 918.272.7908 E: carl@coulterglass.com
	SIGNAGE (EXTERIOR PANEL SIGNAGE, ILLUMINATED PANEL SIGNAGE)			X	X	O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
	SIGNAGE (ELECTRICAL ROUGH-IN SYSTEMS)	X	X				
10 28 13	TOILET ACCESSORIES (TISSUE PAPER DISPENSERS, SOAP DISPENSERS, PAPER TOWEL DISPENSERS)		X	X		O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
	SAFES (WHERE REQUIRED)			X	X	O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
	INDUSTRIAL FURNITURE (RACKING AND SHELVING)			X	X	O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
13 34 19	PRE-ENGINEERED METAL BUILDING SYSTEM ERECTION		X	X		BUTLER MANUFACTURING, INC. 1540 GENESSEE STREET KANSAS CITY, MO 64102	SCOTT CARLETON P: 816.968.3472 F: 816.627.8964
22 40 00	PLUMBING FIXTURES (ONLY WATER HEATERS, SHELF, STAND, & THERMAL EXPANSION TANK)		X	X		SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045	SOURCEONE SOLUTIONS O'REILLY TEAM P: 314.499.6400 EMAIL: NCOREILLY@SOURCEONESOLUTIONS.COM
23 74 00 THRU 23 81 43	HEATING/COOLING UNITS		X	X		SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045	SOURCEONE SOLUTIONS O'REILLY TEAM P: 314.499.6400 EMAIL: NCOREILLY@SOURCEONESOLUTIONS.COM
25 00 00	CONTROLS & INSTRUMENTATION (ENERGY MANAGEMENT SYSTEM - SOFTWARE, HARDWARE, CONDUIT, WIRING, EQUIPMENT)		X	X		SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045	SOURCEONE SOLUTIONS O'REILLY TEAM P: 314.499.6400 EMAIL: NCOREILLY@SOURCEONESOLUTIONS.COM
25 00 00	CONTROLS & INSTRUMENTATION (ENERGY MANAGEMENT SYSTEM - INSTALLATION)	X	X			(CONTACT SOURCEONE SOLUTIONS INSTALLATION MANAGEMENT FOR INSTALLER CONTACT BASED ON PROJECT LOCATION.)	SOURCEONE SOLUTIONS O'REILLY TEAM P: 314.499.6400 EMAIL: NCOREILLY@SOURCEONESOLUTIONS.COM
26 24 00	ELECTRICAL EQUIPMENT (PANEL BOARDS, TRANSFORMERS, TRANSFER SWITCH KIT, TEST BOX, AND DISCONNECTS)		X	X		SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045	SOURCEONE SOLUTIONS O'REILLY TEAM P: 314.499.6400 EMAIL: NCOREILLY@SOURCEONESOLUTIONS.COM
26 50 00	LIGHTING (LIGHT FIXTURES, SENSORS, DIMMERS, POWER PACKS, POLE LIGHTS)		X	X		SOURCEONE SOLUTIONS 4341 GREEN ASH DRIVE EARTH CITY, MO 63045	SOURCEONE SOLUTIONS O'REILLY TEAM P: 314.499.6400 EMAIL: NCOREILLY@SOURCEONESOLUTIONS.COM
	COMMUNICATIONS - VOICE AND DATA (ELECTRONIC SYSTEMS AND CONDUCTORS)			X	X	O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR
	COMMUNICATIONS - VOICE AND DATA (CONDUIT, BOXES)	X	X				
	ELECTRONIC SAFETY AND SECURITY SYSTEM			X	X	O'REILLY AUTOMOTIVE STORES, INC. 233 SOUTH PATTERSON SPRINGFIELD, MO 65802	OWNER'S DESIGNATED PROJECT ADMINISTRATOR

SCOPE OF WORK SCHEDULE NOTES:
1. CONTRACTOR'S OPTION TO PURCHASE MATERIALS THROUGH COMPANY(S) INDICATED.

GENERAL NOTES

(A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

(B) REFER TO DRAWINGS FOR ADDITIONAL REQUIREMENTS.

(C) CONTACT OWNER'S DESIGNATED PROJECT ADMINISTRATOR FOR QUESTIONS OR CLARIFICATIONS.

SPECIAL NOTE:
SCOPE OF WORK SCHEDULE MAY INCLUDE ITEMS NOT REQUIRED FOR PROJECT SPECIFIC CONDITIONS. REFER TO CONSTRUCTION DOCUMENTS FOR PROJECT DESIGN REQUIREMENTS.

BIDDING INFORMATION:
REFER TO OWNER'S WEB SITE:
HTTP://WWW.OREILLYPLANROOM.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.

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.9558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

STATE OF FLORIDA — THOMAS ANDREW LUNDBERG — AR0009949 — REGISTERED ARCHITECT — 5-23-25

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

SCOPE OF WORK SCHEDULE

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 5-23-25
REVISION DATE:

T1.2

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT SHALL CONFORM TO FDOT "STANDARD PLANS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION, AND THE LATEST LOCAL GOVERNMENT AGENCY UTILITIES AND FDOT STANDARDS, DETAILS AND SPECIFICATIONS UNLESS OTHERWISE INDICATED.
2. THE ELEVATIONS SHOWN HEREON ARE BASED ON NAVD 1988 DATUM. REFER TO SURVEY PREPARED BY DONALDSON, GARRETT, & ASSOCIATES, Inc. DATED 02/20/2025.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE WHATEVER MEANS NECESSARY TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND DURING CONSTRUCTION. SEE EROSION CONTROL NOTES AND STORMWATER POLLUTION PREVENTION PLAN FOR ADDITIONAL INFORMATION.
4. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SAFETY. SPECIAL PRECAUTIONS MAY BE REQUIRED IN THE VICINITY OF POWER LINES AND OTHER UTILITIES.
5. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR MEANS AND METHODS FOR CONSTRUCTION SAFETY.
6. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
7. ALL CONCRETE SHALL HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4,000 PSI (28 DAY STRENGTH), UNLESS OTHERWISE NOTED.
8. ALL DISTURBED GRASSED AREAS SHALL BE RESODDED WITHIN 72 HOURS UNLESS OTHERWISE INDICATED.
9. CONTRACTOR TO RESTORE ALL AREAS DISTURBED BY HIS OPERATION TO THEIR ORIGINAL OR BETTER CONDITION.
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING A VISUAL INSPECTION OF THE SITE AND WILL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL UNDERGROUND AND ABOVE GROUND IMPROVEMENTS THAT WILL NOT BE INCORPORATED WITH THE NEW FACILITIES TO THE PROPERTY LINE AT A MINIMUM. SHOULD ANY DISCREPANCIES EXIST WITH THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING THE ENGINEER AND REQUESTING A CLARIFICATION OF PLANS PRIOR TO DEMOLITION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL REQUIRED ROAD CROSSING PERMITS, AND OTHER CONSTRUCTION PERMITS NOT FURNISHED BY THE OWNER, PRIOR TO THE START OF ANY CONSTRUCTION OR DEMOLITION.
12. SPECIAL CARE IS TO BE TAKEN SO THAT PROTECTED TREES REMAIN UNHARMED DURING CONSTRUCTION. IN ANY EVENT, NO TREE(S) SHALL BE REMOVED UNLESS DESIGNATED FOR REMOVAL ON THE PLANS.
13. REFERENCED INDEX NUMBERS REFER TO FLORIDA DEPARTMENT OF TRANSPORTATION ROAD DESIGN STANDARDS, LATEST EDITION.
14. ALL SODDING, SEEDING AND MULCHING SHALL INCLUDE WATERING AND FERTILIZATION AND SHALL BE IN ACCORDANCE WITH LOCAL GOVERNMENT AGENCY LAND DEVELOPMENT CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE AREAS UP TO AND INCLUDING THE INITIAL MOWING.
15. CONTRACTOR IS ADVISED TO BECOME FAMILIAR WITH THE OVERALL SCOPE OF WORK TO BE PERFORMED PRIOR TO CONSTRUCTION.
16. THE CONTRACTOR SHALL PROVIDE CERTIFIED STORMWATER RECORD DRAWINGS (AS-BUILTS), SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF FLORIDA PRIOR TO CERTIFICATION BY THE ENGINEER OF RECORD. THE RECORD DRAWINGS SHALL SHOW FINAL GRADES AND LOCATIONS ON ALL STORMWATER FACILITIES, DRAINAGE STRUCTURES, BERMS & SWALES. THE RECORD DRAWINGS MUST COMPLY WITH THE SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT'S (SJRWMD) "AS-BUILT" DRAWINGS AND INFORMATION CHECKLIST, FORM 547.27/SOC (4/09) PER SWERP RULE 40D-4.351(2)(a)1.,F.A.C. THE CONTRACTOR SHALL PROVIDE TEN (10) COPIES OF THE CERTIFIED RECORD DRAWINGS TO THE ENGINEER OF RECORD FOR THE PURPOSE OF CERTIFYING THE STORMWATER MANAGEMENT SYSTEM.
17. THE CONTRACTOR SHALL LOCATE AND STAKE ALL PROPERTY CORNERS PRIOR TO FINAL ENGINEERING INSPECTION AND CERTIFICATION. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO RE-ESTABLISH THE PROPERTY CORNERS WHICH HAVE BEEN LOST DURING CONSTRUCTION BY A PROFESSIONAL LAND SURVEYOR.
18. WORK SHALL NOT COMMENCE UNTIL ALL PERMITS REQUIRED FOR THE SUBJECT PORTION OF THE PROJECT ARE OBTAINED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL REQUIRED PERMITS AND/OR EVIDENCE OF COMPLIANCE WITH APPLICABLE REGULATIONS ON SITE AT ALL TIMES DURING THE EXECUTION OF WORK. SPECIFIC PERMITS MAY BE REQUIRED FOR THE INSTALLATION OF POTABLE WATER LINES, SANITARY SEWER LINES, STORMWATER PIPES, ETC. TREE BARRICADES AND EROSION SILTATION CONTROL MUST BE INSTALLED AND MAINTAINED PRIOR TO COMMENCING CONSTRUCTION.
19. CONSTRUCTION SHALL PROCEED SUCH THAT ALL STORMWATER FACILITIES WITHIN A WATERSHED AREA ARE IN PLACE AND OPERATIONAL PRIOR TO DEMOLITION AND/OR CONSTRUCTION OF IMPERVIOUS SURFACES WITHIN THAT AREA (IF APPLICABLE).
20. NO STOCKPILING OF MATERIALS IN ROADWAY ROW OR ON SIDEWALK. ROW, ROADS AND SIDEWALKS TO BE SWEPT DAILY AS PART OF DAILY CLEAN UP.
21. CONTRACTOR IS TO EXERCISE CAUTION IN THE VICINITY OF TREES TO REMAIN AND IS RESPONSIBLE FOR ANY DAMAGE RESULTING FROM HIS WORK.
22. GENERAL CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ELECTRICAL SERVICE EQUIPMENT IN ACCORDANCE WITH THE LOCAL AUTHORITY HAVING JURISDICTION.
23. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH THE PROJECT GEOTECHNICAL REPORT AND ADHERE TO THE RECOMMENDATIONS FOR PAVEMENT SECTIONS AND ANY OTHER RECOMMENDATIONS RELATED TO CONSTRUCTION OF THIS PROJECT.
24. CONTRACTOR SHALL BECOME FAMILIAR WITH WATER MANAGEMENT DISTRICT PERMIT, FDEP NOTICE OF INTENT, FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES, PROJECT STORMWATER POLLUTION PREVENTION PLAN (ATTACHED), RIGHT-OF-WAY, UTILITY, AND ALL PERMITS ASSOCIATED WITH THE PROJECT.
25. ALL NOTES APPLY TO ALL SHEETS WHERE APPLICABLE.

WATER SYSTEM TESTING AND INSPECTION REQUIREMENT NOTES

1. ALL COMPONENTS OF THE WATER SYSTEM, INCLUDING FITTINGS, THRUST BLOCKING, HYDRANTS, CONNECTIONS, AND VALVES SHALL REMAIN UNCOVERED UNTIL PROPERLY PRESSURE TESTED AND ACCEPTED BY THE OWNER'S ENGINEER. PRESSURE TESTS TO BE IN ACCORDANCE WITH OWNING UTILITY SPECIFICATIONS.CONTRACTOR TO NOTIFY OWNER'S ENGINEER AND OWNING UTILITY INSPECTORS 48 HOURS IN ADVANCE OF PERFORMING TESTS.
2. INSPECTION BY THE BUILDING DEPARTMENT MAY BE REQUIRED AND MUST COMPLY WITH FLORIDA BUILDING CODE (FBC). THESE FBC COMPLIANCE INSPECTIONS ARE LIMITED TO THE DOWNSTREAM SIDE OF BACKFLOW PREVENTORS TO THE BUILDING.

TESTING REQUIREMENTS

CONTRACTOR IS REQUIRED TO PROVIDE ALL TESTING IN ACCORDANCE WITH LATEST EDITION OF LOCAL GOVERNMENT AGENCY AND FDOT DESIGN MANUALS AND SPECIFICATIONS, IN ADDITION TO THOSE STATED WITHIN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS FOR THIS PROJECT. TESTING TO INCLUDE, BUT NOT LIMITED TO ALL REQUIRED COMPACTION TESTING, BORINGS, ASPHALT GRADATION, EXTRACTION TESTS, CORES, AND CONCRETE TESTING, ETC.

GENERAL UTILITY NOTES

1. EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED, OR ADJUSTED BY THEIR OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES.
2. ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT - PROCEED WITH CAUTION - THE CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION & SAFETY. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING DIRECT CONTACT. THE CONTRACTOR SHALL FURTHER COORDINATE WITH UTILITY OWNERS TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S FAILURE TO CALL "SUNSHINE STATE ONE CALL" AND THE UTILITY OWNERS.
3. THE CONTRACTOR IS REQUIRED TO COORDINATE AND/OR PROVIDE FOR THE BRACING/SUPPORT OF EXISTING UTILITY POLES WITH THE UTILITY OWNERS, PRIOR TO THE COMMENCEMENT OF EXCAVATION/CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES AS REQUIRED TO ISOLATE PIPELINES INSTALLED UNDER THIS CONTRACT FOR THE PERFORMANCE OF TESTING UNDER THIS CONTRACT. LIKEWISE, PROVIDE TEMPORARY FACILITIES AS REQUIRED TO MAINTAIN WASTEWATER SERVICE THROUGHOUT THE CONSTRUCTION PERIOD.
5. ALL EXISTING WATER MAINS, SANITARY SEWER LINES, WATER/SEWER PUMP STATIONS AND OTHER UTILITIES SHALL REMAIN IN SERVICE UNTIL THE RELOCATED UTILITIES ARE PLACED IN SERVICE. COORDINATE ALL UTILITY RELATED CONSTRUCTION ACTIVITIES WITH THE OWNER OF THESE UTILITIES.
6. ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY WILL BE IN ACCORDANCE WITH THE PRACTICES REQUIRED BY FDOT AND LOCAL GOVERNMENT AGENCY LAND DEVELOPMENT CODE ALONG WITH THE FDOT UTILITY ACCOMMODATION MANUAL.
7. CONTRACTOR WILL NOTIFY THE RESPONSIBLE UTILITY FOR RELOCATION OF METER BOXES FOR POTABLE WATER AND NON-POTABLE WATER SERVICES.
8. THE LOCATIONS AND SIZE OF THE EXISTING UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. FURTHER, THERE IS NO GUARANTEE THAT ALL EXISTING FACILITIES HAVE BEEN FOUND OR SHOWN. THE CONTRACTOR IS FOREWARNED TO ASCERTAIN AND DETERMINE PRECISE LOCATIONS PRIOR TO EXCAVATING. THE CONTRACTOR SHALL BECOME FAMILIAR WITH ALL VOLTAGES CARRIED IN OVERHEAD OR UNDERGROUND UTILITY SERVICES. NO CLAIM FOR EXTRA COST SHALL BE MADE AGAINST THE OWNER OR ENGINEER AS A RESULT OF THE AFOREMENTIONED APPROXIMATIONS. THE CONTRACTOR SHALL LOCATE EXACTLY ALL UTILITIES THAT CROSS THE PROPOSED PROJECT LIMITS PRIOR TO CONSTRUCTION.
9. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, OWNER, CITY AND COUNTY INCLUDING ALL UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION. CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" (811) A MINIMUM OF 2-DAYS AND A MAXIMUM OF 5-DAYS PRIOR TO START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY AND COORDINATE WATER AND SEWER SERVICES WITH LOCAL GOVERNMENT AGENCY.
10. ALL UNDERGROUND UTILITIES MUST BE INSTALLED BEFORE ROADWAY BASE AND SURFACE ARE CONSTRUCTED.
11. ALL PIPE LENGTHS ARE PLUS OR MINUS.
12. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR FITTINGS. PIPE MEASUREMENTS FOR MITERED END SECTIONS ARE TO END OF PIPE.
13. CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITY CONNECTION POINTS PRIOR TO STARTING CONSTRUCTION AND SHALL IMMEDIATELY NOTIFY THE ENGINEER AND OWNER OF ANY DISCREPANCIES FOUND.
14. ADJUSTMENT OF INLETS, JUNCTION BOXES, MANHOLE TOPS, WATER VALVES, WATER METERS, ETC., SHALL BE INCLUDED AND NO CLAIM SHALL BE MADE AGAINST THE OWNER OR ENGINEER FOR THESE ADJUSTMENTS IF REQUIRED.
15. ALL BACKFILL OVER ANY PIPE (STORM SEWER, SANITARY SEWER, OR WATERLINES) THAT IS INSTALLED UNDER ROADWAYS OR WITHIN THE EMBANKMENT OF THE ROADWAY, SHALL BE COMPACTED IN ACCORDANCE WITH FLORIDA D.O.T. STANDARD SPECIFICATIONS, SECTION 125-8 (BACKFILLING), LATEST EDITION OR LOCAL GOVERNMENT AGENCY REQUIREMENTS.
16. ALL EXISTING UTILITIES (INCLUDING STORMWATER FACILITIES) SHALL BE KEPT IN OPERATION EXCEPT WITH THE EXPRESS WRITTEN CONSENT OF THE UTILITY OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE EXISTING UTILITIES AND ANY AND ALL DAMAGE TO EXISTING UTILITIES AS A RESULT OF THE CONTRACTORS ACTIONS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
17. CONTRACTOR TO REPAIR IN KIND ANY DISTURBED AREAS DUE TO UTILITY INSTALLATIONS. CONTRACTOR TO ROOT PRUNE ANY TREES IN VICINITY OF PROPOSED UTILITY INSTALLATIONS.
18. DUCTILE IRON PIPE MUST BE INSTALLED BETWEEN ANY TAP AND BACKFLOW PREVENTER DEVICE. AT LEAST ONE JOINT OF DUCTILE IRON PIPE TO BE INSTALLED ON THE SERVICE SIDE OF ANY BACKFLOW PREVENTER DEVICE.

GENERAL DUST CONTROL NOTES

1. CONTRACTOR TO USE BEST MANAGEMENT PRACTICES (BMPs) TO REDUCE SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES. CONTRACTOR TO BECOME FAMILIAR WITH THE CONTENTS OF THE STORMWATER POLLUTION PREVENTION PLAN AND KEEP A COPY ON SITE AT ALL TIMES DURING CONSTRUCTION.
2. CONTRACTOR TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMAL OR PLANT LIFE, AND IN AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY TO OCCUR IF PREVENTIVE MEASURES ARE NOT TAKEN.
3. CONSTRUCTION ACTIVITIES INEVITABLY RESULT IN THE EXPOSURE AND DISTURBANCE OF SOIL. FUGITIVE DUST IS EMITTED BOTH DURING THE ACTIVITIES (I.E., EXCAVATION, DEMOLITION, VEHICLE TRAFFIC, HUMAN ACTIVITY) AND AS A RESULT OF WIND EROSION OVER THE EXPOSED EARTH SURFACES. LARGE QUANTITIES OF DUST ARE TYPICALLY GENERATED IN "HEAVY" CONSTRUCTION ACTIVITIES, SUCH AS ROAD AND STREET CONSTRUCTION AND SUBDIVISION, COMMERCIAL AND INDUSTRIAL DEVELOPMENT, WHICH INVOLVE DISTURBANCE OF SIGNIFICANT AREAS OF SOIL SURFACE. RESEARCH AT CONSTRUCTION SITES HAS ESTABLISHED AN AVERAGE DUST EMISSION RATE OF 1.2 TONS/ACRE/MONTH FOR ACTIVE CONSTRUCTION. EARTH- MOVING ACTIVITIES COMPRISE THE MAJOR SORES OF CONSTRUCTION DUST EMISSIONS, BUT TRAFFIC AND GENERAL DISTURBANCE OF THE SOIL ALSO GENERATE SIGNIFICANT DUST EMISSION. IN PLANNING FOR DUST CONTROL, IT SHOULD BE OBVIOUS THAT THE LESS SOIL IS EXPOSED AT ANY ONE TIME, THE LESS POTENTIAL THERE WILL BE FOR DUST GENERATION. PHASING A PROJECT AND UTILIZING TEMPORARY STABILIZATION PRACTICES UPON THE COMPLETION OF GRADING CAN SIGNIFICANTLY REDUCE DUST EMISSION.

TEMPORARY MEASURES:

1. MULCHES- A NATURAL OR ARTIFICIAL LAYER OF PLANT MATERIALS OR OTHER MATERIALS THAT WILL NOT FLOAT OR WASH AWAY.
2. VEGETATIVE- TEMPORARY SEEDING OR GROUND COVERS.
3. TILLAGE- THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL -TYPE PLOWS (WITH 12-INCH SPACING), SPRING -TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
4. IRRIGATION- THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED. TO PREVENT CARRYOUT OF MUD ONTO STREETS, REFER TO TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
5. BARRIERS- SOLID BOARD FENCE, BUR LAY FENCE, CREATE WALLS, BALES OF HAY AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
6. PERMANENT VEGETATION- PERMANENT SEEDING AND PERMANENT STABILIZATION WITH SOD.
7. TOP SOILING- THIS ENTAILS COVERING THE SURFACE WITH LESS EROSIVE SOIL MATERIAL.
8. STONE- COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

GENERAL SANITARY SEWER NOTES

1. MANHOLES SHALL BE INSPECTED BY THE OWNING UTILITY AND ENGINEER AFTER THE COMPLETION OF ALL BASE WORK, AND PRIOR TO SURFACE TREATMENT.
2. ALL OPENINGS IN PRE-CAST MANHOLES SHALL BE CAST AT TIME OF MANUFACTURE. CONNECTIONS TO EXISTING MANHOLES SHALL BE CORE ENTRY ONLY.
3. ALL MANHOLES SHALL BE SET PLUMB TO LINE AND GRADE AN SHOWN ON PLANS.
4. ALL P.V.C. GRAVITY SEWER MAINS SHALL CONFORM TO A.S.T.M. D-3034, S.D.R.-26, LATEST REVISIONS, WITH PUSH-ON RUBBER GASKET JOINTS.
5. ALL D.I.P. GRAVITY SEWER PIPES SHALL BE CLASS 52, EPOXY LINED OR AS OTHERWISE APPROVED BY THE ENGINEER.
6. NO SERVICE CONNECTIONS, WYES, SERVICES OR VALVES WILL BE PERMITTED IN RESIDENTIAL DRIVEWAYS, EXCEPT UPON APPROVAL OF THE OWNING UTILITY OR ENGINEER.
7. MANHOLE FRAMES THAT ARE NOT SUPPORTED BY ASPHALT OR CONCRETE SHALL BE ATTACHED TO THE PRE-CAST STRUCTURE WITH A MINIMUM OF TWO 3/4" 316 STAINLESS STEEL BOLTS, NUTS AND WASHERS. FRAMES SHALL BE SEALED WITH A MINIMUM OF TWO 1/2" BEADS OF RAM-NEK CAULKING.
8. TRENCHES SHALL BE DE-WATERED TO ENABLE PIPE AND APPURTENANCES TO BE INSTALLED FREE OF WATER ON UNDISTURBED SOIL. IF UNSUITABLE SUBSURFACE MATERIAL IS ENCOUNTERED, EXCAVATE EXTRA 6" AND BACK FILL WITH 3/4" GRAVEL.
9. P.V.C. PIPES SHALL BE LAID IN STRICT CONFORMANCE TO THE MANUFACTURER'S SPECIFICATIONS BACKFILLING OF UTILITY TRENCHES WILL NOT BE ALLOWED UNTIL INSPECTED BY THE OWNING UTILITY AND ENGINEER.
10. BACK FILL MATERIAL FOR SEWER MAIN AND LINES SHALL BE NON-COHESIVE, NON-PLASTIC MATERIAL FREE OF ALL DEBRIS, LUMPS AND ORGANIC MATTER. BACK FILL MATERIAL PLACED WITHIN 1' OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY SOLID MATERIAL LARGER THAN 2" IN DIAMETER (1" FOR P.V.C. PIPE), AND NO SOLID MATERIAL LARGER 6" IN DIAMETER WILL BE PERMITTED IN ANY BACK FILL MATERIAL.
11. ALL EXCAVATION IN EXISTING RIGHT OF WAY SHALL BE BACK FILLED AND STABILIZED AT THE END OF EACH DAY TO PERMIT PEDESTRIAN AND VEHICULAR TRAFFIC PRIOR TO THE CONTRACTOR LEAVING THE CONSTRUCTION SITE.
12. IN ANY INSTANCE WHERE SEWER LINES ARE NOT INSTALLED WITHIN PUBLIC RIGHTS-OF-WAY, ALL LINES SHALL BE LOCATED IN A PUBLIC UTILITY EASEMENT, AND OWNING UTILITY MAINTENANCE RESPONSIBILITY IS MANHOLE TO MANHOLE ONLY.
13. UPON COMPLETION OF THE WORK AND PRIOR TO PLACEMENT OF ASPHALT A VISUAL INSPECTION AND REQUIRED TESTING SHALL BE MADE OF THE COMPLETED SYSTEM. THE OWNING UTILITY SHALL APPROVE THE SYSTEM PRIOR TO IT BEING PLACED IN SERVICE, AND BEING ACCEPTED FOR MAINTENANCE.
14. COMPLETE "AS-BUILT" INFORMATION RELATIVE TO MANHOLES, VALVES, SERVICES, FITTINGS, PIPE LENGTHS, INVERTS AND SLOPES SHALL BE ACCURATELY RECORDED AND TEN (10) COPIES MUST BE SUBMITTED TO THE ENGINEER. ALL COPIES MUST BE SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED ENGINEER OR LAND SURVEYOR.
15. AT THE END OF THE WARRANTY PERIOD THE OWNING UTILITY WILL T.V. INSPECT, AND CHECK MANHOLE JOINTS AND CONNECTIONS TO DETERMINE IF REPAIRS ARE NECESSARY BEFORE THE WARRANTY BOND IS RELEASED.
16. ONLY EIGHT(8") INCH MAINS (PRIVATE), WILL BE VISUALLY INSPECTED AND VIDEO RECORDED. EIGHT(8") INCH PIPE LESS THAN SIXTY(60') FEET LONG WILL BE EXEMPT. COPIES OF ALL VIDEO TAPES WILL BE PROVIDED TO THE CERTIFYING ENGINEER.

TRAFFIC CONTROL/MOT NOTES

1. THE CONTRACTOR IS REQUIRED TO PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO LOCAL GOVERNMENT AGENCY FOR REVIEW AND APPROVAL.
2. THE CONTRACTOR SHALL INSTALL ALL APPROVED TRAFFIC CONTROL DEVICES PRIOR TO COMMENCING CONSTRUCTION.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION, INSTALLATION, AND COORDINATION OF ALL TRAFFIC SIGNS AND BARRICADES WITH LOCAL GOVERNMENT AGENCY.
4. THE CONTRACTOR SHALL NOTIFY THE LOCAL GOVERNMENT AGENCY PUBLIC WORKS OFFICE, RIGHT-OF-WAY, THE FIRE DEPARTMENT, THE POLICE DEPARTMENT, ALL GOVERNMENTAL TRAFFIC DEPARTMENTS, AND ANY ADJACENT BUSINESSES PRIOR TO ANY STREET BEING CLOSED OR MADE IMPASSABLE.
5. THE CONTRACTOR SHALL PROVIDE TEMPORARY GRADE TRANSITIONS DURING CONSTRUCTION TO ALLOW VEHICULAR ACCESS TO ADJACENT RESIDENTS, AS NECESSARY TO PROVIDE ACCESS.
6. SIGNS & BARRICADES SHALL BE IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND THE FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS" INDEXES 600 THRU 670 (LATEST EDITION)
7. MAINTENANCE OF TRAFFIC FOR THE WORK TO BE PERFORMED WITHIN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH FDOT STANDARD INDEX NUMBERS 600, 622, 623, AND 660. NO LANE CLOSURES ARE PERMITTED WITHOUT PRIOR APPROVAL HAVING BEEN OBTAINED FROM LOCAL GOVERNMENT AGENCY INSPECTOR.
8. CONTRACTOR TO REFER TO FDOT INDEX NO. 660 FOR ALL MAINTENANCE OF PEDESTRIAN TRAFFIC AND CONTROL FOR SIDEWALK CLOSURES.
9. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND EASILY ACCESSIBLE PAVED OR UNPAVED PATHWAY FOR PEDESTRIAN TRAFFIC THROUGH THE WORK ZONE FOR THE DURATION OF THE PROJECT. IF THE PATHWAY LIES ALONG A DESIGNATED SCHOOL ROUTE, THEN THE CONTRACTOR MUST PROVIDE ADEQUATE SUPERVISION AND/OR GUIDANCE TO THE SCHOOL AGED STUDENTS AS THEY TRAVERSE THRU THE WORK ZONE.
10. THE CONTRACTOR SHALL BE REQUIRED TO NOTIFY ALL APPROPRIATE AGENCIES (PARTIAL LIST BELOW) PRIOR TO ANY LANE CLOSURES ON AN ARTERIAL OR COLLECTOR ROADWAY THAT WOULD EXCEED ONE HOUR IN LENGTH.
    A) PUBLIC WORKS
    B) SHERIFF'S OFFICE
    C) TRANSIT AUTHORITY
    D) SCHOOL TRANSPORTATION
    E) EMS & FIRE ADMINISTRATION
11. FOR WORK WITHIN FDOT RIGHT-OF-WAY, THE FDOT REQUIRES DOCUMENTATION FOR SUCCESSFUL COMPLETION OF AN APPROVED WORK ZONE TRAFFIC CONTROL TRAINING COURSE FOR THE AGENCY, UTILITY, OR CONTRACTOR EMPLOYEE(S) DESIGNING, INSTALLING, AND/OR MAINTAINING THE APPROVED MAINTENANCE OF TRAFFIC PLAN IN ACCORDANCE WITH DEPARTMENT PROCEDURE. TOPIC NO. 625-010-010. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE DESIGNED AND INSTALLED TO MEET THE EXISTING POSTED SPEED LIMIT.

ELECTRICAL AND TELEPHONE NOTES

1. ALL ELECTRICAL SERVICE SHALL BE INSTALLED UNDERGROUND.
2. ELECTRIC SERVICE TO POINTS OF CONNECTION TO BE PROVIDED BY UTILITY OWNER; CONTRACTOR TO COORDINATE.
3. CONTRACTOR TO INSTALL PVC CONDUITS FOR ELECTRICAL AND TELEPHONE SERVICE (TO PROPERTY LINE) AND COORDINATE INSTALLATION OF SERVICES AND LIGHTING DESIGN WITH UTILITY AGENCY.
4. CONTRACTOR TO COORDINATE WITH UTILITY COMPANY FOR RELOCATION OF ANY POWER POLES WITHIN PROJECT AREA AND RIGHT-OF-WAYS.
5. CONTRACTOR TO EXERCISE EXTREME CARE IN NEW CONSTRUCTION AREAS TO AVOID IMPACTS TO HIGHLY SENSITIVE UTILITIES.

WATER SYSTEM NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE OWNING UTILITY STANDARDS, SPECIFICATIONS, ORDINANCES AND REGULATIONS. POTABLE AND GRAY WATER CONNECTIONS FROM THE DOWNSTREAM SIDE OF BACKFLOW PREVENTORS TO BUILDING MUST COMPLY WITH LATEST FBC PLUMBING VOLUME.
2. WATER MAIN SHALL BE LAID 3 FEET OR MORE BELOW PROPOSED GRADE (UNLESS OTHERWISE NOTED ON PLANS OR CONTRACT DOCUMENTS AND SPECIFICATIONS).
3. CONFLICTS BETWEEN WATER AND STORM, SANITARY SEWER AND UNDERDRAIN SYSTEMS ARE TO BE RESOLVED BY ADJUSTING WATER LINES AS NECESSARY UPON APPROVAL BY OWNER AND OWNER'S ENGINEER. BUILDING CONNECTIONS OF WATER AND SEWER SHALL COMPLY WITH FBC PLUMBING SECTION.
4. FIRE HYDRANTS SHALL BE INSTALLED WITH HOSE NOZZLE FACING STREETS OR AS DIRECTED BY THE OWNING UTILITY. ALL FIRE HYDRANTS SHALL BE CONNECTED IN A MANNER THAT MAINTAINS AT LEAST SIX (6) FEET OF CLEARANCE BETWEEN BACK OF CURB AND THE HYDRANT.
5. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PUBLIC AGENCY(IES) PRIOR TO COMMENCING WORK WITHIN THEIR JURISDICTION(S).
6. THE CONTRACTOR SHALL MAINTAIN COPIES OF ALL APPLICABLE PERMITS ON-SITE AND SHALL BE RESPONSIBLE TO ADHERE TO ALL PERMIT CONDITIONS DURING CONSTRUCTION.
7. ALL WORK WITHIN RIGHTS-OF-WAY AND EASEMENTS WILL REQUIRE A SEPARATE PERMIT AND MAY REQUIRE AN ALTERATION TO CONSTRUCTION MATERIALS SHOWN ON THESE PLANS. RIGHT-OF-WAY PERMIT APPLICATIONS SHOULD BE SUBMITTED NO LATER THAN THIRTY (30) DAYS BEFORE THAT RIGHT-OF-WAY OR EASEMENT WORK IS TO COMMENCE.
8. THE CONTRACTOR IS RESPONSIBLE FOR ADJUSTMENTS OF VALVE BOX COVERS, MANHOLE RIMS AND COVER, GRATES, ETC., NECESSARY TO MATCH FINAL GRADES.
9. ALL PIPE LENGTHS ARE APPROXIMATE AND ARE TYPICALLY MEASURED FROM CENTER OF FITTINGS AND STRUCTURES.
10. ALL UNDERGROUND UTILITIES WITHIN PAVEMENT MUST BE INSTALLED BEFORE ROADWAY BASE AND SUBSURFACE COURSES ARE CONSTRUCTED.
11. COMPACTION FOR PIPE BACKFILL SHALL COMPLY WITH AASHTO T-99 (100%) (UNLESS OTHERWISE NOTED IN CONTRACT DOCUMENTS AND SPECIFICATIONS).
12. ALL WATER MAINS SHALL BE DUCTILE IRON UNLESS OTHERWISE SPECIFIED. WATER MAINS SHALL CONFORM TO AWWA C 151/A21.51MINIMUM CLASS 50. PIPE SHALL BE FURNISHED IN 18 OR 20- FOOT LAYING LENGTHS. PIPE SHALL BE LINED WITH A STANDARD THICKNESS CEMENT MORTAR LINING AND SEAL COATED IN ACCORDANCE WITH THE LATEST EDITION OF AWWA C 104/A21.4. PIPE THICKNESS CLASS SHALL BE CLASS 50 UNLESS OTHERWISE SPECIFIED. ALL JOINTS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ANSI/AWWA C 111/A21.11. IN AREAS WHERE THE SOIL IS DETERMINED TO BE CORROSIVE OR HIGH GROUND WATER IS EXPECTED, THE PIPE SHALL BE INSTALLED IN LOOSE POLYETHYLENE ENCASEMENT NOT LESS THAN 8 MILS THICK AND INSTALLED IN ACCORDANCE WITH ANSI SPECIFICATION A21.51.
13. A MINIMUM 6-FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE. IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 6-FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE T

STORMWATER POLLUTION PREVENTION PLAN

PROJECT NAME: O'REILLY AUTO PARTS STORE - EUSTIS (EU2)

PROJECT ADDRESS:
FL-HWY 44
EUSTIS, FL

OWNER'S ADDRESS:
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
PHONE: 417-862-2674

DESCRIPTION OF PURPOSE AND TYPES OF SOIL DISTURBING ACTIVITIES:

PROPERTY AREA APPROXIMATELY = ±1.204 ACRES
PROJECT AREA APPROXIMATELY = ±1.204 ACRES

CONSTRUCTION PROPOSED: IMPROVEMENTS INCLUDING NEW BUILDING; NEW PARKING AND DRIVES, NEW SIDEWALK, 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

STORMWATER DRAINAGE AREA:
BASIN AREA: ±1.204 ACRES
PRE-DEVELOPMENT CURVE NUMBER (CN): 40
POST DEVELOPMENT CURVE NUMBER (CN): 69

PRE-TREATMENT: N/A
WATER QUALITY: STORMWATER POND (OFF-SITE)
WATER QUANTITY: STORMWATER POND (OFF-SITE)

SEQUENCE OF MAJOR ACTIVITIES:

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

NAME OF RECEIVING WATERS:
THE PROPOSED IMPROVEMENTS WILL DISCHARGE TO THE EXISTING STORMWATER INFRASTRUCTURE IN THE COMMERCIAL DEVELOPMENT INTO AN OFFSITE CLOSED BASIN STORMWATER POND.

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, PERIMETER 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 DEVISES 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 GRADES 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 OF 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 THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMUDA 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 PANGOLA, PEANUT, COASTAL BERMUDA OR BAHIA GRASS HAY. ONLY UNDETERIORATED 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 BARRICADES WHERE REQUIRED.

PERMANENT STABILIZATION:
DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH SOD 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:
THE STAKED SILT FENCES WILL BE CONSTRUCTED ALONG THE CONSTRUCTION LIMITS OR AS DEPICTED 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 CONTROLS/WASTE DISPOSAL:

OFFSITE VEHICLE TRACKING:

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS NEEDED 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 WATER:

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 FDOT STANDARD SPEC. FOR ROAD AN BRIDGE CONSTRUCTION 2010 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 CONSTRUCTED ACTIVITY CEASES PERMANENTLY IN THAT AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT 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 DENUDED AT ONE TIME PRIOR TO ESTABLISHING EROSION CONTROL 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. FILLING OUT 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 THAT DRAIN INTO THE COMMERCIAL DEVELOPMENT DRAINAGE SYSTEM.

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 SAINT JOHNS RIVER WATER MANAGEMENT DISTRICT (SWFWMD). 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 CHANGE(S) 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 APPROVAL(S).

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. MANUFACTURERS 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:

* MANUFACTURERS' 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 THE MATERIAL STORAGE AREA AND 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 ANY 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 A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTORS NAME AND INSPECTION REPORT.

FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE OWNERS, ENGINEER OF RECORD AND PERMITTING AGENT INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTEND 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 FUELDS
TAR	CLEANING SOLVENTS
SAND	WOOD
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 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: O'REILLY AUTOMOTIVE STORES, INC.
AUTHORIZED AGENT:
SIGNATURE:
ADDRESS: 233 S. PATTERSON
SPRINGFIELD, MO 65802
P: 417-862-2674
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" (CGP), AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED FOR O'REILLY AUTO PARTS STORE - EUSTIS (EU2).

CONTRACTOR:
AUTHORIZED AGENT:
TITLE:
SIGNATURE:
ADDRESS:
P: F:
DATE:

CERTIFIED ENGINEER: BRYAN L. ZARLENGA, PE
FL REGISTRATION No: 52167
COMPANY: STANTEC CONSULTING SERVICES, INC.
ADDRESS 380 PARK PLACE BOULEVARD SUITE 300
CLEARWATER, FLORIDA 33759
T: (727) 531-3505 F: (727) 431-1777
DATE:

NPDES NOTIFICATION (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM):

ATTENTION: FAILURE TO MAINTAIN EROSION AND/OR SEDIMENTATION CONTROLS OR ANY ILLICIT 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 SJRWMD 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.

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

BRYAN L. ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estesflyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

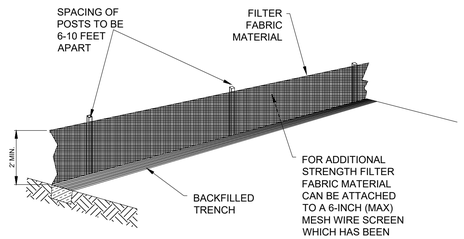
STORMWATER POLLUTION PREVENTION PLAN

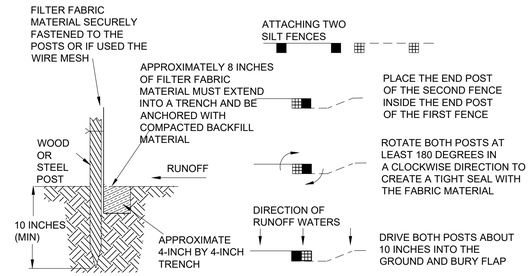
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

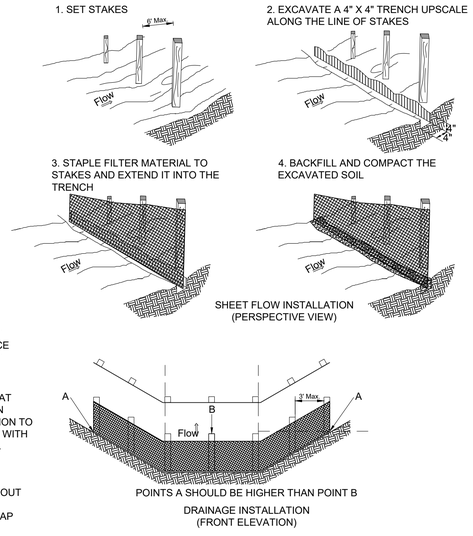
COMM # 4902
DATE: 05-23-2025
REVISION DATE:

C2 of 11

Plot Stamp: 5/22/2025 12:54:30 PM - Lemon, Jasmin
File: u:\238201899\acad\dwg\sheet_files\GI-NOTES.dwg, Tab: SWPPP

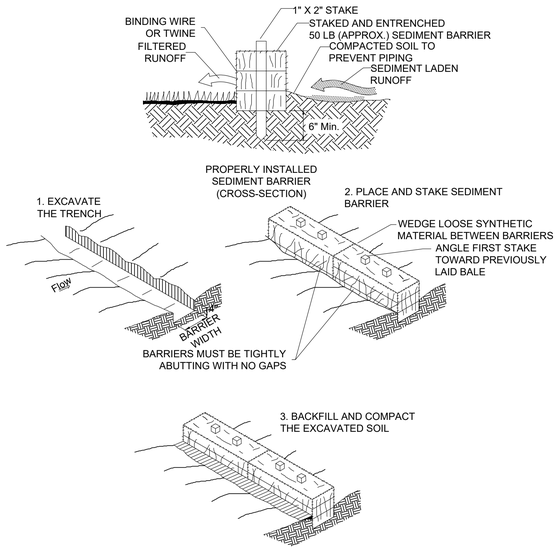






1 INSTALLING A FILTER FABRIC SILT FENCE

C3 SCALE: N.T.S.

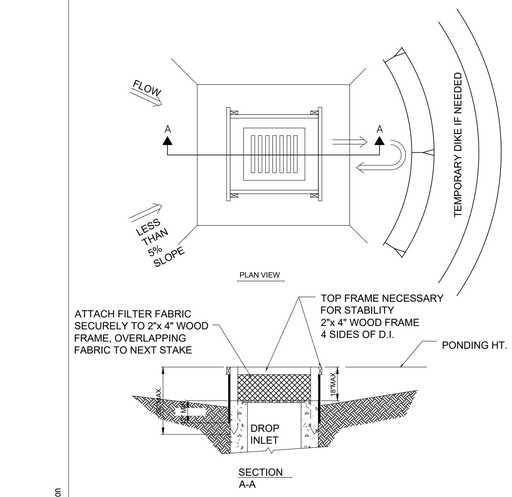


2 TEMPORARY SYNTHETIC SEDIMENT BARRIER

C3 SCALE: N.T.S.

EROSION AND SEDIMENTATION CONTROL NOTES

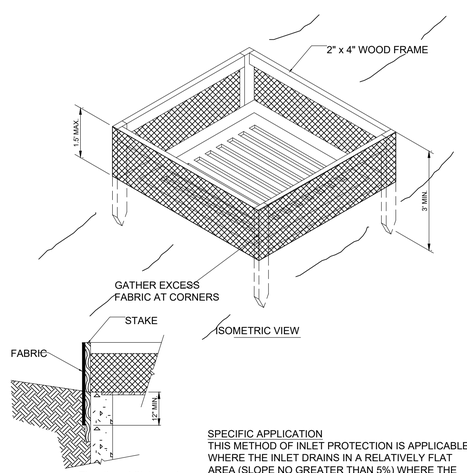
1. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND THE TRANSPORTATION OF SEDIMENT TO SURFACE DRAINS AND OUTFALLS. REFER TO CONSTRUCTION PLANS, DETAILS, SPECIFICATIONS AND APPROVED PERMITS FOR DETAILS.SEDIMENT DEPOSITS SHALL BE REMOVED WHEN THEY REACH SIX INCHES ON AN EROSION DEVICE.
2. 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 MIGRATION 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. 102, FDEP, OR AS DIRECTED BY THE ENGINEER.
3. 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, SAND, SILT, AND DEBRIS SHALL BE REMOVED FROM ALL DRAINAGE PIPES AND STRUCTURES AFTER CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO COUNTY FINAL WALK-THROUGH.
4. 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 REMEDY. THE CONTRACTOR SHALL USE APPROPRIATE MEASURES AS DIRECTED BY THE PROJECT ENGINEER FOR OUTFALL PROTECTION.
5. 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. 102 OR FDEP. IF EROSION DEPOSITS REACH THE TOP ELEVATION OF EXISTING APPROVED BARRIERS, THEN SEDIMENTS SHOULD 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.
6. 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 PAVED 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.
7. STOCKPILED MATERIALS SHALL BE PROTECTED BY COVER, APPROVED BARRIERS OR OTHER APPROVED SEDIMENT CONTROL DEVICES.
8. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 3 DAYS AFTER 1/2" RAIN EVENT DISTURBANCE.
9. 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.
10. CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY DEWATERING PERMITS FROM THE LOCAL WATER MANAGEMENT DISTRICT OR OTHER REGULATORY AGENCY.
11. A DEWATERING PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO DISCHARGE.
12. 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 PUMPED INTO GRASSED SWALES OR APPROPRIATE VEGETATED AREAS (OTHER THAN UPLAND PRESERVATION AREAS AND WETLAND BUFFERS), SEDIMENTS BASINS, OR AREAS CONFINED BY AN APPROPRIATE ENCLOSURE SUCH AS TURBIDITY BARRIERS, AND KEPT CONFINED UNTIL ITS TURBIDITY LEVEL MEETS STATE WATER QUALITY STANDARDS.
13. IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION, THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION, OR OTHER ACCEPTABLE METHODS.
14. THERE IS TO BE NO DISCHARGE (I.E. PUMPING, SHEET FLOW, SWALE, DITCH, ETC.) INTO EXISTING DITCHES OR CANALS WITHOUT THE USE OF SETTLING PONDS OR DEVICES. IF THE CONTRACTOR DESIRES TO DISCHARGE INTO EXISTING DITCHES OR CANALS A SETTLING PLAN PREPARED BY THE CONTRACTOR MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD AND LOCAL REGULATORY AGENCY PRIOR TO CONSTRUCTION.
15. WHERE APPLICABLE, SOIL TRACKING PREVENTION DEVICES SHALL BE PROVIDED AND MAINTAINED PER F.D.O.T. INDEX NO. 106 OR FDEP.
16. 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.
17. 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. BUILT-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.
18. THE CONTRACTOR SHALL NOT RESTRICT OR BLOCK THE EXISTING DRAINAGE FLOW OVERLAND OR WITHIN RESHAPED SWALES. FLOW WITHIN EXISTING DRAINAGE PIPES SHALL BE MAINTAINED AT ALL TIMES. STORMWATER WILL BE CONVEYED VIA EXISTING SWALES, DITCHES, OR PROPOSED DITCHES, EXISTING AND PROPOSED STORM SEWERS.
19. 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.
20. 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 SHALL BE USED FOR EROSION PROTECTION WHERE SOD WILL NOT HOLD OR BECOME 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.
21. IF APPLICABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING POND FILTRATION SYSTEMS FROM BEING CLOGGED UNTIL LAKE COUNTY DETERMINES THE CONSTRUCTION IS COMPLETE. IF FILTER MATERIAL IS CONTAMINATED, IT SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
22. CONTRACTOR TO COORDINATE WITH LOCAL MUNICIPALITY REGARDING PREPARATION AND PERMITTING WITHIN THE NPDES PROGRAM.



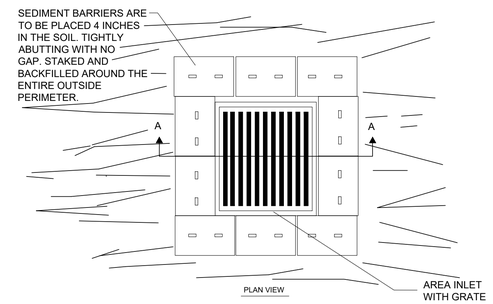
NOTES:
1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2"x 4" WOOD OR EQUIVALENT METAL STAKES. (3 FT. MIN. LENGTH)
3. INSTALL 2"x 4" WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND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

3 TEMPORARY SEDIMENT BARRIER AT DROP INLET

C3 SCALE: N.T.S.



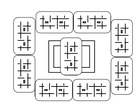
SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS IN A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OF OVERLAND FLOWS (NOT EXCEEDING 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET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



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.

4 TEMPORARY SYNTHETIC SEDIMENT BARRIER AT STORM DRAIN DROP INLET

C3 SCALE: N.T.S.



DITCH BOTTOM INLET

5 TEMPORARY SYNTHETIC BALE BARRIER DETAIL

C3 SCALE: N.T.S.

03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Good. It's Free. It's the law.
www.callsunshine.com

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estreetyxtheider.com

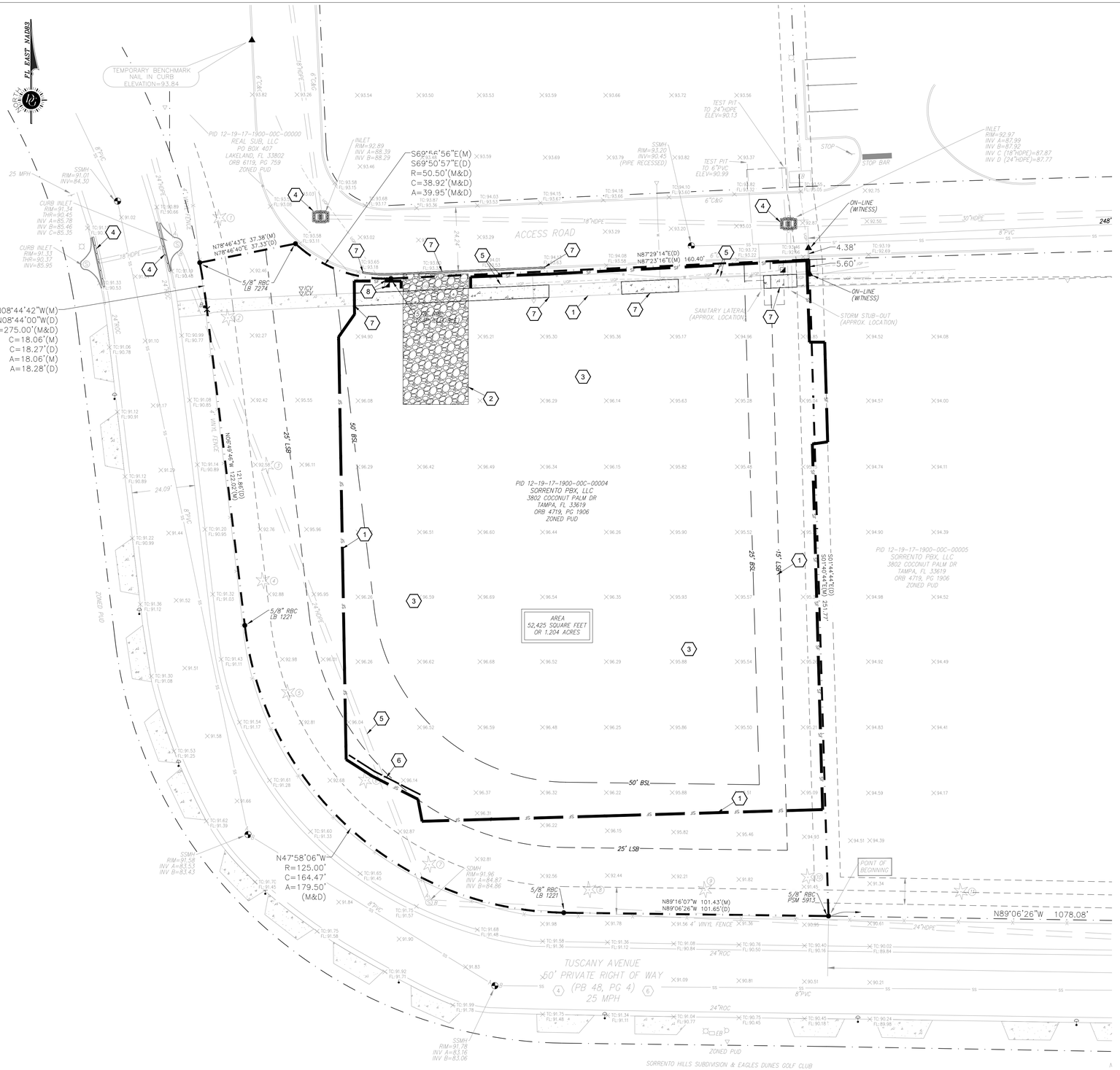
PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

EROSION CONTROL DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	05-23-2025
REVISION DATE:	

Plot Stamp: 5/22/2025 12:54:51 PM - Lemon, Jasmin
File: u:\23820189\acad\dwg\sheet_files\GI-DETAILS.dwg, Tab: Erosion



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 FDOT 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, LANDSCAPING 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 BMPs SHOULD BE MAINTAINED. SILT FENCE SHALL BE INSTALLED IMMEDIATELY AFTER REMOVAL OF INFRASTRUCTURE.
9. CONTRACTOR MUST NOT INTERRUPT UTILITY SERVICE TO ADJACENT PROPERTIES.

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 UNDER-STORY 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. REFER TO DETAILS ON SHEET C3.
5. EXISTING UTILITIES:
   TO BE FULLY PROTECTED DURING CONSTRUCTION. CONTRACTOR TO FIELD VERIFY LOCATION AND COORDINATE ANY PROTECTION AND ADJUSTMENT REQUIREMENTS WITH UTILITY PROVIDER.
6. TREE PROTECTION:
   REFER TO LANDSCAPE PLANS FOR DETAILS.
7. EXISTING CONCRETE SIDEWALK AND CURBING:
   TO BE REMOVED FOR THE LIMITS SHOWN.
8. EXISTING LIGHT POLE:
   TO BE RELOCATED. REFER TO SHEET C5 AND MEP PLANS FOR DETAILS.

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.

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND

- EXISTING IMPROVEMENTS TO BE REMOVED
- PROPERTY LINE
- CENTER LINE
- SILT FENCE
- SOIL TRACKING PREVENTION DEVICE
- TREE PROTECTION
- EXISTING LIGHT POLE TO REMAIN
- EXISTING LIGHT POLE TO BE RELOCATED
- CONCRETE SIDEWALK TO REMAIN
- CONCRETE SIDEWALK TO BE REMOVED

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

BRYAN L. QUINN ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

0 20' 40' N

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterfyschneider.com

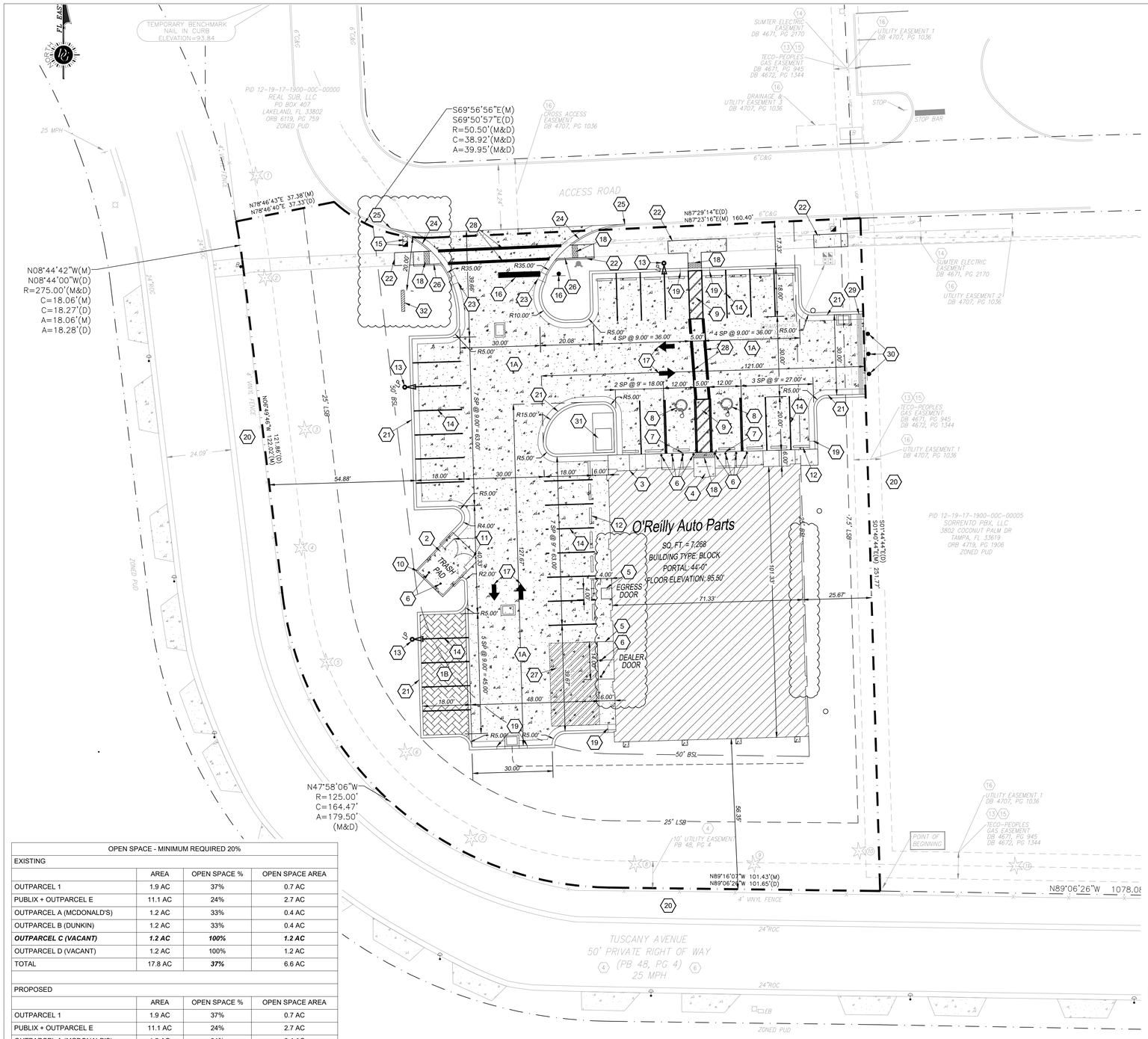
PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

SITE DEMOLITION PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 05-23-2025
REVISION DATE:

Plot Stamp: 5/22/2025 12:55:02 PM - Lemon, Jasmin
File: u:\238201899\acad\dwg\sheet_files\CD-DEMO.dwg, Tab: Demo



OPEN SPACE - MINIMUM REQUIRED 20%			
EXISTING			
	AREA	OPEN SPACE %	OPEN SPACE AREA
OUTPARCEL 1	1.9 AC	37%	0.7 AC
PUBLIX + OUTPARCEL E	11.1 AC	24%	2.7 AC
OUTPARCEL A (MCDONALD'S)	1.2 AC	33%	0.4 AC
OUTPARCEL B (DUNKIN)	1.2 AC	33%	0.4 AC
OUTPARCEL C (VACANT)	***1.2 AC***	***100%***	***1.2 AC***
OUTPARCEL D (VACANT)	1.2 AC	100%	1.2 AC
TOTAL	17.8 AC	***37%***	6.6 AC
PROPOSED			
	AREA	OPEN SPACE %	OPEN SPACE AREA
OUTPARCEL 1	1.9 AC	37%	0.7 AC
PUBLIX + OUTPARCEL E	11.1 AC	24%	2.7 AC
OUTPARCEL A (MCDONALD'S)	1.2 AC	31%	0.4 AC
OUTPARCEL B (DUNKIN)	1.2 AC	35%	0.4 AC
OUTPARCEL C (O'REILLY'S)	***1.2 AC***	***49%***	***0.6 AC***
OUTPARCEL D (VACANT)	1.2 AC	100%	1.2 AC
TOTAL	17.8 AC	**34%**	6.0 AC

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

KEY NOTES:

1A CONCRETE PAVING:
REFER TO DETAILS 2/C8 & 6/C8.

1B PERMEABLE PAVING:
REFER TO DETAIL 5/C9.

2 CONCRETE DUMPSTER PAD:
REFER TO DETAIL 2/C8.

3 CONCRETE SIDEWALK:
REFER TO DETAILS 5/C8 & 10/C8.

4 REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.

5 CONCRETE DOOR LANDING:
REFER TO DETAIL 10/C8 AND STRUCTURAL DETAILS. RAMP PAVING AS INDICATED. LANDING CAN BE POURED MONOLITHIC IF CONCRETE PAVING IS USED.

6 STEEL BOLLARD:
REFER TO DETAIL 12/C8. PROVIDE (2) AT TRASH PAD, (8) AT ENTRANCE, AND (2) AT DEALER DOOR. REFER TO STRUCTURAL PLAN FOR LOCATIONS.

7 ADA PARKING SIGN:
REFER TO DETAIL 8/C8.

8 ADA PARKING SYMBOL:
REFER TO DETAIL 4/C8.

9 ADA ACCESS UNLOADING ZONE:
SLOPE 2% MAX. EACH WAY AND STRIPE ADA COMPLIANT.

10 DUMPSTER ENCLOSURE:
PER DETAILS 1/C9, 2/C9.

11 SCREEN FENCE GATE:
REFER TO DETAIL 3/C9.

12 CONCRETE WHEEL STOP:
TO SIT LEVEL WITH PAVING. REFER TO DETAIL 7/C8.

13 PARKING LOT LIGHTING:
REFER TO UTILITIES SITE PLAN PER MEP FOR LOCATION AND TYPE.

14 STRIPING:
PROVIDE 4" WIDE WHITE PARKING LOT STRIPING AS SHOWN. (THERMOPLASTIC)

15 RELOCATED LIGHT POLE:
EXISTING LIGHT POLE TO BE RELOCATED AS SHOWN. REFER TO MEP PLANS FOR ADDITIONAL DETAILS.

16 STOP SIGN AND PAVEMENT MARKINGS:
(SEE FDOT INDEX 711-001) SIGN R1-1; 36"x36"; 24" WIDE WHITE STOP BAR (THERMOPLASTIC)

17 DIRECTIONAL ARROW/STRIPING:
REFER TO DETAIL 3/C8. (THERMOPLASTIC)

18 TRUNCATED DOMES:
INSTALL TRUNCATED DOMES PER FDOT INDEX 522-002.

19 ROLL DOWN CURB:
TERMINATE AND ROLL DOWN NEW CURB WHERE INDICATED. ROLL DOWN AT 1:2.

20 RESTORATION:
DISTURBED AREAS OFF-SITE AND IN THE RIGHT-OF-WAY TO BE SODDED PER FDOT SPECIFICATIONS.

21 CONCRETE CURB:
REFER TO DETAIL 14/C8.

22 CONCRETE SIDEWALK:
REFER TO FDOT INDEX 522-001.

23 CURB TRANSITION:
TRANSITION FROM CONCRETE CURB TO TYPE 'F' CURB.

24 CONCRETE CURB:
FDOT TYPE 'F' CURB; REFER TO FDOT INDEX 520-001.

25 CURB TRANSITION:
TRANSITION FROM TYPE 'F' CURB TO EXISTING CURB.

26 CURB RAMP CR-F:
REFER TO FDOT INDEX 522-002.

27 PAVEMENT MARKINGS (LOADING ZONE):
6" WHITE, 45-DEGREE GORE STRIPING. (THERMOPLASTIC)

28 PEDESTRIAN CROSSWALK STRIPING:
12" WHITE PER FDOT INDEX 711-001 (THERMOPLASTIC)

29 TEMPORARY CONCRETE BARRIER:
TYPE 'K' PER FDOT INDEX #102-110.

30 END OF ROADWAY REFLECTOR WARNING SIGN:
INSTALL OM4-3 SIGN 18"X18" FOR END OF ROADWAY SIGN PER MUTCD STANDARDS.

31 BICYCLE RACK:
FOUR (4) PARKING SPACES.
INVERTED "U" PVC COATED METAL PIPE BICYCLE RACK.

32 SIGN LOCATION:
SIGN FURNISHED AND INSTALLED BY OWNER. REFER TO SITE SIGNAGE PLANS FOR DETAILS.

SITE DATA TABLE:

1. SITE ADDRESS: HWY FL. 44, EUSTIS, FL
2. PID No.: 121927190000C00004
   ALT KEY: 3891757
3. GROSS SITE AREA: 52,425 SF (1.204 AC)
4. EXISTING ZONING: PUD PER ORDINANCE #1991-34
   EXISTING FUTURE LAND USE: RURAL TRANSITION
5. BUILDING SETBACKS
   REQUIRED
   SIDE - 50' (TUSCANY AVENUE)
   SIDE - 25' (COMMERCIAL)
   REAR - 50' (TUSCANY AVENUE)
6. SITE AREA (EXISTING):

TOTAL IMPERVIOUS AREA	1,144 SF	(2.2%)	
PERVIOUS AREA	51,281 SF	(97.8%)	
GROSS SITE AREA	52,425 SF	(100.0%)	[1.204 AC]

7. SITE AREA (PROPOSED):

ROOF AREA	7,268 SF	(13.9%)	
PAVEMENT AREA	18,471 SF	(35.2%)	
PERMEABLE PAVEMENT AREA	820 SF	(1.6%)	
PERVIOUS AREA	25,866 SF	(49.3%)	
TOTAL AREA	52,425 SF	(100.0%)	[1.204 AC]

8. FLOOR AREA RATIO: 7,268 / 52,425 = 0.139 (13.9%)
   26,212 MAXIMUM (50.0%)
9. IMPERVIOUS SURFACE RATIO: 26,559 / 52,425 = 0.507 (50.7%)
   36,698 MAXIMUM (70.0%)
10. PARKING REQUIREMENTS:
    4 SPACES PER 1,000 SF OF GROSS FLOOR AREA
    *PARKING EXCEEDING THE REQUIRED AMOUNT MUST BE PERVIOUS

PARKING SPACES REQUIRED:	29 SPACES
PARKING SPACES PROVIDED:	
REGULAR PARKING	27 SPACES
ADA	2 SPACES
PERVIOUS	5 SPACES
TOTAL PARKING SPACES PROVIDED	34 SPACES

11. FLOOD ZONE:
    ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 12069C 0385E, EFFECTIVE DATE: DECEMBER 18, 2012. SUBJECT PROPERTY LIES WITHIN ZONE X (AREA OF MINIMAL FLOOD HAZARD).
12. THERE ARE NO ENVIRONMENTALLY SENSITIVE AREAS ON THIS SITE.
13. PER GEOTECHNICAL REPORT, GROUNDWATER WAS ENCOUNTERED 14 FEET BELOW GROUND AT THE TIME OF EXPLORATION.
14. ALL MECHANICAL EQUIPMENT LOCATED ON THE ROOF SHALL BE SCREENED IN ACCORDANCE WITH ALL APPLICABLE LAKE COUNTY REQUIREMENTS.
15. PROPOSED BUILDING HEIGHT: 24 FT- 8 IN
    MAXIMUM BUILDING HEIGHT: 50 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 10/C8.

F. SITE IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH LAKE COUNTY, FDOT AND O'REILLY 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 RADII 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 SODDED.

K. TOTAL NUMBER OF EMPLOYEES: 8-10 (2-3 EMPLOYEES PER SHIFT)

L. SITE IS SUBJECT TO REQUIREMENTS PER ORDINANCE #1991-34 AND ORDINANCE #1991-20.

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND

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

0 20' 40'

N

TRAFFIC STATEMENT:

PROPOSED TOTAL TRIPS GENERATED:

DESCRIPTION / ITE CODE	UNITS	TOTAL GENERATED TRIPS			
		DAILY	PM PEAK	PM IN	PM OUT
AUTOMOBILE PARTS SALES 843	7.3 kSF	389	36	17	19

THE O'REILLY AUTO PARTS EUSTIS RETAIL STORE ANTICIPATED TOTAL DAILY TRIPS IS 389 BASED ON THE PROPOSED RETAIL AREA OF 7,268 SF.

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/06/2026
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estellyschneider.com

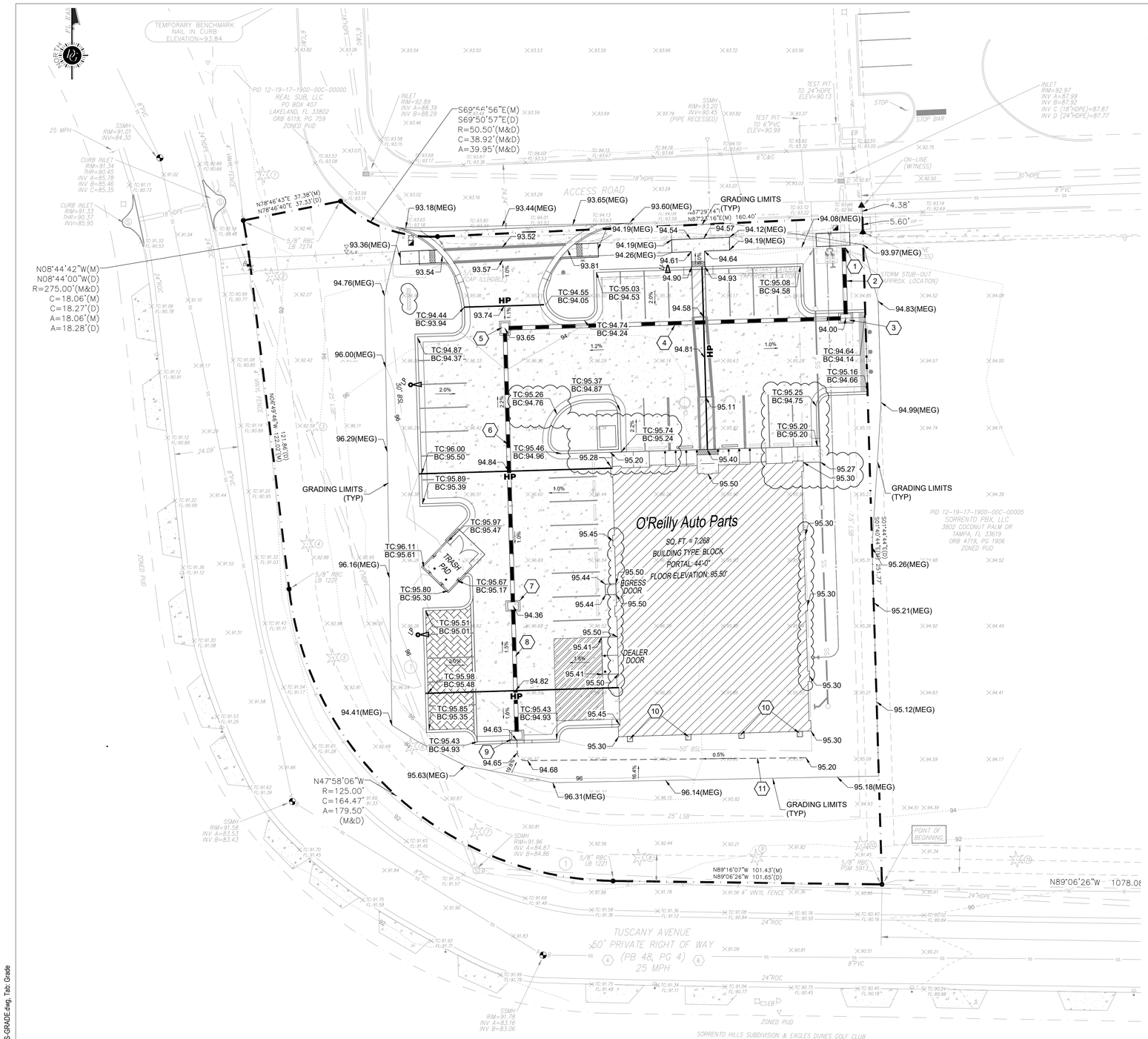
PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

SITE DEVELOPMENT PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

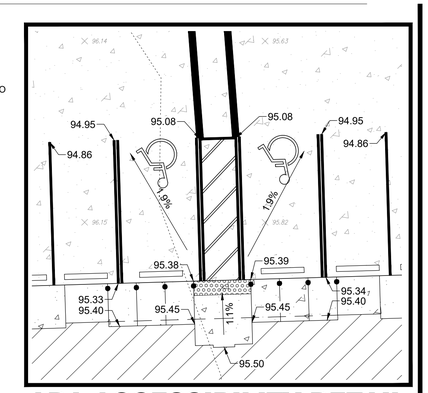
COMM #	4902
DATE:	05-23-2025
REVISION DATE:	08-22-25
	09-19-25
	10-15-25
	01-06-26

Plot Stamp: 1/16/2026 3:24:23 PM Date: Michael
File: U:\23620\1699\acad\dwg\sheet_files\C5-SITE.dwg, Tab: Site



KEY NOTES:

1. POINT OF CONNECTION (STORM WATER)
   CONNECT TO EXISTING 18" HDPE STUB OUT PER LAKE COUNTY SPECIFICATIONS. CONTRACTOR TO FIELD VERIFY STUB OUT ELEVATION.
   inv elev = 88.38'
2. STORM WATER PIPING
   26 LF 18" DIAMETER ADS
3. STORM STRUCTURE ST-1
   FDOT TYPE F INLET. PER INDEX NO. 425-053
   TOP GRATE ELEV = 94.00'
   INV ELEV (W) = 88.70'
   INV ELEV (N) = 88.51'
4. STORM WATER PIPING
   129 LF 18" DIAMETER ADS
5. STORM STRUCTURE ST-2
   FDOT TYPE F INLET. PER INDEX NO. 425-053
   TOP GRATE ELEV = 93.65'
   INV ELEV (S) = 89.35'
   INV ELEV (E) = 89.35'
6. STORM WATER PIPING
   105 LF 18" DIAMETER ADS
7. STORM STRUCTURE ST-3
   FDOT TYPE F INLET. PER INDEX NO. 425-053
   TOP GRATE ELEV = 94.33'
   INV ELEV (S) = 89.87'
   INV ELEV (N) = 89.87'
8. STORM WATER PIPING
   52 LF 18" DIAMETER ADS
9. STORM STRUCTURE ST-4
   FDOT TYPE F INLET. PER INDEX NO. 425-053
   TOP GRATE ELEV = 94.63'
   INV ELEV (N) = 90.13'
10. CONCRETE SPLASH BLOCK:
    INSTALL AT EACH DOWNSPOUT, REFER TO DETAIL 4/C9.
11. PROPOSED FLOW LINE:
    DRAINAGE SWALE AT 0.5%.



ADA ACCESSIBILITY DETAIL

SCALE: 1"=10'

GENERAL NOTES:

A. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

B. CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT DRIVEWAY ENTRANCES. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

C. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.

D. REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.

E. SITE IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH LAKE COUNTY, FDOT AND O'REILLY CONSTRUCTION SPECIFICATIONS.

F. 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.

G. SIDEWALK ADJACENT TO HANDICAP ACCESSIBLE PARKING SPACES IS TO BE FLUSH WITH PAVEMENT.

H. CONCRETE PAVEMENT SHALL BE FLUSH WITH ADJACENT CONCRETE SIDEWALK.

I. REFER TO SHEET C11 FOR CROSS SECTIONS.

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
73.50	PAVING ELEVATION
TC 73.50 BC 73.00	TOP OF CURB ELEVATION PAVING ELEVATION
72.13	EXISTING ELEVATION
	PROPERTY LINE
	CENTER LINE
	RIGHT-OF-WAY
HP	HIGH POINT
MEG	MATCH EXISTING GRADE

0 20' 40'

N

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/06/2026
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estreetyxtahelder.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

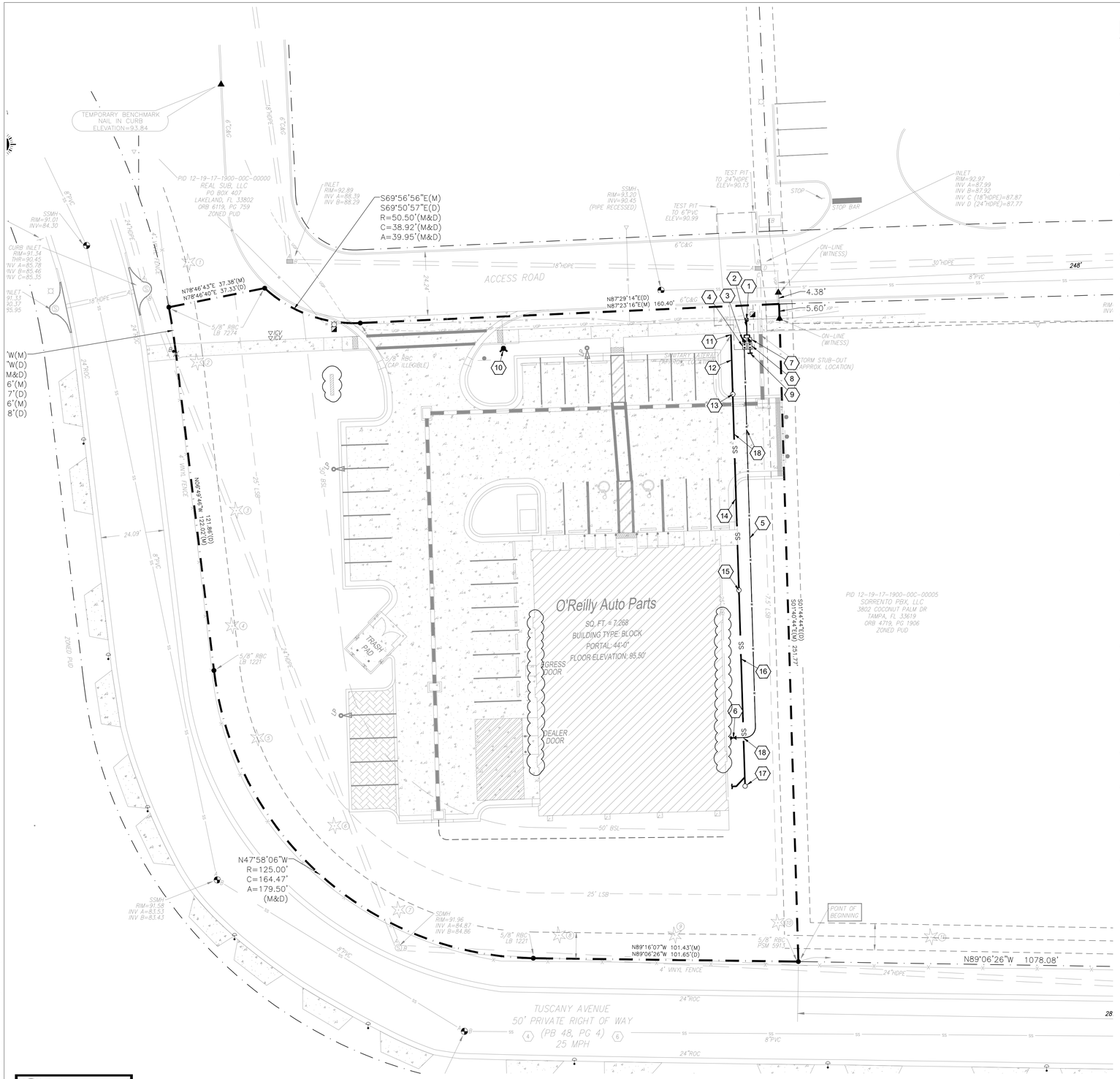
SITE GRADING PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	05-23-2025
REVISION DATE:	08-22-25
	01-06-26

C6 of 11

Plot Stamp: 1/16/2026 3:28:46 PM - Debbs, Michael
File: U:\238201869\acad\dwg\sheet_files\CS-GRADE.dwg, Tab: Grade



KEY NOTES:

1. POINT OF CONNECTION (POTABLE)
FURNISH AND INSTALL 8"X2" MJ TAPPING SLEEVE AND GATE VALVE ASSEMBLY PER CITY OF EUSTIS SPECIFICATIONS.

2. POTABLE WATER LINE
FURNISH AND INSTALL ±10 LF 2" POLYETHYLENE WATER SERVICE PER CITY OF EUSTIS SPECIFICATIONS. PROVIDE 36" MIN. COVER.

3. POTABLE WATER METER
FURNISH AND INSTALL 1" METER PER CITY OF EUSTIS SPECIFICATIONS.

4. POTABLE WATER BACKFLOW PREVENTER
FURNISH AND INSTALL 1" BACKFLOW PREVENTER PER CITY OF EUSTIS SPECIFICATIONS.

5. POTABLE WATER LINE
FURNISH AND INSTALL ±155 LF 1" POLYETHYLENE WATER SERVICE LINE TO BUILDING. PROVIDE 36" MIN. COVER.

6. POTABLE WATER LINE SERVICE
CONTRACTOR TO INSTALL 1" GATE VALVE & BOX PER CITY OF EUSTIS SPECIFICATIONS.

COORDINATE BUILDING CONNECTION W/ MEP PLAN.

7. IRRIGATION WATER METER
FURNISH AND INSTALL 1" METER PER CITY OF EUSTIS SPECIFICATIONS. MAX. DEMAND 25 GPM.

8. IRRIGATION WATER BACKFLOW PREVENTER
CONTRACTOR TO INSTALL 1" BACKFLOW PREVENTER PER CITY OF EUSTIS SPECIFICATIONS.

9. IRRIGATION WATER LINE
REFER TO IRRIGATION PLAN FOR CONTINUATION.

10. PROPOSED FIRE HYDRANT
REMOVE EXISTING 6" CAP. FURNISH AND INSTALL FIRE HYDRANT PER CITY OF EUSTIS SPECIFICATIONS.

11. SANITARY SEWER POINT OF CONNECTION
CONNECT TO EXISTING 6" PVC LATERAL STUB OUT PER CITY OF EUSTIS SPECIFICATIONS. CONTRACTOR TO FIELD VERIFY STUB OUT ELEVATION.
inv elev = 90.17"

12. SANITARY SEWER LINE
FURNISH AND INSTALL ±23 LF OF 6" PVC SDR-26 AT 1.00% MIN.

13. SANITARY SEWER CLEANOUT
FURNISH AND INSTALL 6" CLEANOUT PER CITY OF EUSTIS SPECIFICATIONS.
RIM ELEV = 94.68' (FLUSH W/ FINAL FINISH GRADE)
INV ELEV = 90.40'

COORDINATE BUILDING CONNECTION W/ MEP PLAN.

14. SANITARY SEWER LINE
FURNISH AND INSTALL ±75 LF OF 6" PVC SDR-26 AT 1.00% MIN.

15. SANITARY SEWER CLEANOUT
FURNISH AND INSTALL 6" CLEANOUT PER CITY OF EUSTIS SPECIFICATIONS.
RIM ELEV = 95.28' (FLUSH W/ FINAL FINISH GRADE)
INV ELEV = 91.15'

COORDINATE BUILDING CONNECTION W/ MEP PLAN.

16. SANITARY SEWER LINE
FURNISH AND INSTALL ±74 LF OF 6" PVC SDR-26 AT 1.00% MIN.

17. SANITARY SEWER CLEANOUT
FURNISH AND INSTALL 6" CLEANOUT PER CITY OF EUSTIS SPECIFICATIONS.
RIM ELEV = 95.25' (FLUSH W/ FINAL FINISH GRADE)
INV ELEV = 91.89'

COORDINATE BUILDING CONNECTION W/ MEP PLAN.

18. PIPE SEPARATION AND COVER
PIPE SEPARATION AND COVER PER CITY OF EUSTIS SPECIFICATIONS. SEE UTILITY DETAIL SHEET C11.

WATER DEMANDS

BASED ON:

FIXTURE	FIXTURE VALUE @ 35 PSI		NO. OF FIXTURES		FIXTURE VALUE
DRINKING FOUNTAIN	2	X	1	=	2
SERVICE SINK - ¾" CONNECTION	3	X	1	=	3
URINAL - WALL FLUSH VALVE	10	X	1	=	10
WASH SINK	4	X	2	=	8
WATER CLOSET - TANK TYPE	3	X	2	=	6
HOSE CONNECTION - ¾" CONNECTION	10	X	2	=	20
COMBINED FIXTURE VALUE				=	49
CUSTOMER PEAK DEMAND (AWWA M22 FIGURE 4.4)				=	45 GPM
ENTER LINE PRESSURE & PRESSURE FACTOR (1.34)					
CUSTOMER PEAK DEMAND (FROM CURVE x PRESSURE FACTOR)				=	60 GPM
FIRE FLOW REQUIREMENTS - 1,750 GPM @ 20 PSI RESIDUAL					
POTABLE WATER METER SIZE - 1" LOCATED AT FRONT OF PROPERTY					

FIRE FLOW CALCULATION

FIRE FLOW REQUIREMENT IS 1,750 GPM FOR 2 HOURS AT 20 PSI RESIDUAL PRESSURE

BASED ON:

SQUARE FOOTAGE:	7,268 SF
LARGEST AREA BETWEEN 4-HR AREA SEPARATION WALLS:	N/A
BUILDING HEIGHT	20'-8"
No. OF STORIES	1
TYPE OF CONSTRUCTION	II-B
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	NO
OCCUPANCY	M - MERCANTILE

WASTEWATER DEMANDS

BASED ON:

TYPE OF ESTABLISHMENT	GALLONS PER DAY		NO. OF FIXTURES		TOTAL DEMAND
BATHROOM PER STORE	200 GPD	X	2	=	400 GPD

FDEP CHAPTER 64E-6 FAC STANDARDS FOR ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS, TABLE 1 FOR SYSTEM DESIGN - ESTIMATED SEWAGE FLOWS

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. REFER TO STRUCTURAL PLANS FOR DEVELOPMENT OF SIDEWALKS ADJACENT TO FOUNDATIONS.

E. SITE IMPROVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF EUSTIS, FDOT, AND O'REILLY CONSTRUCTION SPECIFICATIONS.

F. 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.

G. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE AND MUST BE FIELD VERIFIED PRIOR TO BUILDING CONSTRUCTION. UTILITY ADJUSTMENTS MAY BE REQUIRED TO LOCATE EXISTING SERVICES BEYOND BUILDING FOUNDATION.

H. A 36" CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS, PER NFPA 1 CHAPTER 18.

I. FIRE PROTECTION WATER SUPPLY WILL BE AVAILABLE PRIOR TO AND DURING CONSTRUCTION, PER LAKE COUNTY REQUIREMENTS.

ADDITIONAL NOTES

REFER TO SHEETS C11 FOR DETAILS AND SPECIFICATIONS.

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
- CENTER LINE
- RIGHT-OF-WAY

0 20' 40'

N

CRYSTAL LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
01/06/2026
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Fast. It's Free. It's the Law.
www.callsunshine.com

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estherlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

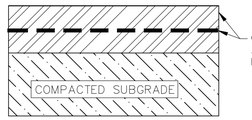
SITE UTILITY PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	05-23-2025
REVISION DATE:	01-06-26

Plot Stamp: 1/16/2026 3:32:02 PM - Detsis, Michael
File: U:\2382018899\acad\dwg\sheet_files\CU-UTIL.dwg, Tab: Utility

1 NOT USED
C8 SCALE: N.T.S.

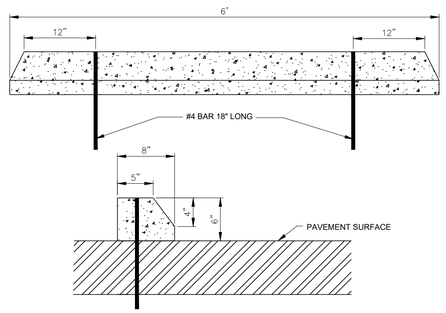


CONCRETE	6–INCH THICK (AUTOMOBILE PARKING) CONCRETE 4,000 PSI AT 28 DAYS. REINFORCEMENT, JOINTING, AND SAWCUTTING PER AMERICAN CONCRETE INSTITUTE (ACI) OR FDOT STANDARDS
COMPACTED SUBGRADE	12–INCHES COMPACTED SUBGRADE MATERIAL TO A MINIMUM OF 98% MAX DRY DENSITY PER MODIFIED PROCTOR TEST, AND WITHIN 3% OF ITS OPTIMUM MOISTURE CONTENT. THIS SUBGRADE SHOULD BE PREPARED TO ACHIEVE A MINIMUM LIMEROCK BEARING RATIO (LBR) OF 40. MATERIALS MAY CONSIST OF FREE–DRAINING AGGREGATES AND MAY INCLUDE CRUSHED CONCRETE, LIMEROCK, CLAYS AND SILTS ARE NOT CONSIDERED FREE–DRAINING AND SHOULD BE AVOIDED.

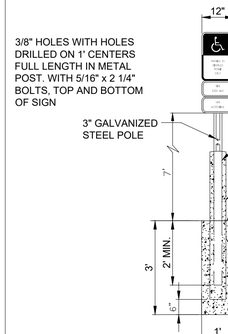
NOTES:
1. REFER TO GEOTECHNICAL REPORT BY UNIVERSAL ENGINEERING SCIENCES, LLC FOR PAVEMENT RECOMMENDATIONS.
2. REFER TO DETAIL SHEETS C10 FOR CONCRETE JOINT DETAILS.

6 CONCRETE PAVEMENT SECTION (LIGHT-DUTY)
C8 SCALE: N.T.S.

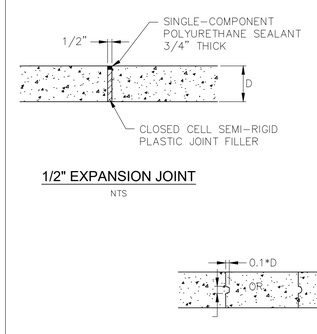
USES: PARKING SPACES (CAR ONLY TRAFFIC AREAS).
CONFIRM NO TRUCK TURNING MOVEMENTS W/ OWNER



7 PRECAST CONCRETE WHEEL STOP
C8 SCALE: N.T.S.

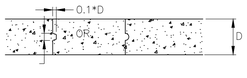


8 HANDICAP PARKING SIGN
C8 SCALE: N.T.S.



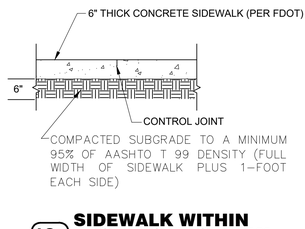
1/2" EXPANSION JOINT
NTS

CONTROL JOINT
NTS



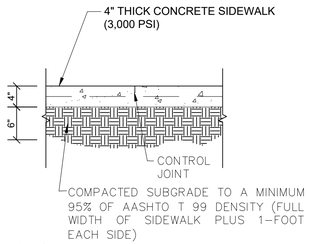
9 CONSTRUCTION JOINT
C8 SCALE: N.T.S.

PROVIDE TOOLED CONTROL JOINTS AT 6' O.C. (25% SLAB THICKNESS) AND ISOLATION JOINTS AT 24' O.C., UNLESS OTHERWISE NOTED.

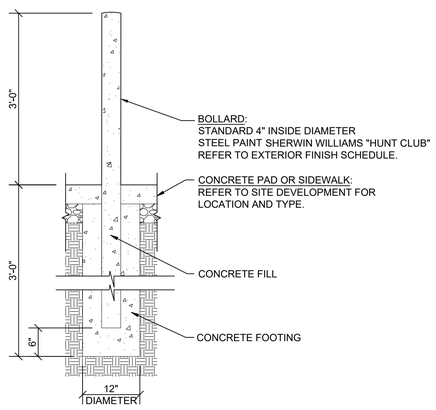


10a SIDEWALK WITHIN FDOT RIGHT-OF-WAY
C8 SCALE: N.T.S.

PROVIDE TOOLED CONTROL JOINTS AT 6' O.C. (25% SLAB THICKNESS) AND ISOLATION JOINTS AT 24' O.C., UNLESS OTHERWISE NOTED.

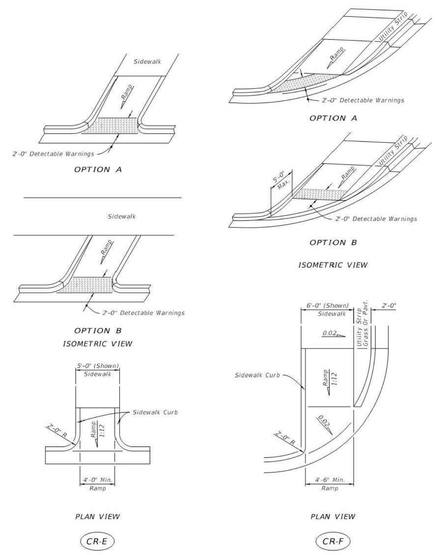


10b TYPICAL SIDEWALK
C8 SCALE: N.T.S.



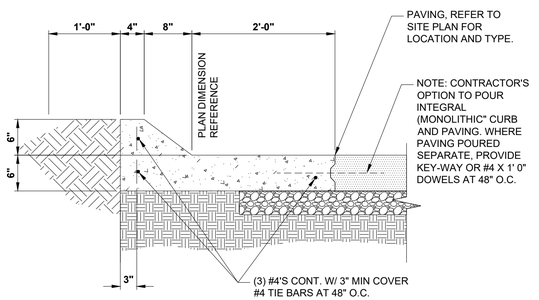
* NOTE: THE BOLLARDS INSTALLED INSIDE THE DUMPSTER ENCLOSURE WILL BE 6" DIAMETER, CONCRETE FILLED, AND 4' HIGH.

12 STEEL BOLLARD
C8 SCALE: N.T.S.



* NOTE: REFER TO FDOT STANDARD PLANS INDEX 522-002 FOR DETAILS.

13 SIDEWALK CURB RAMP
C8 SCALE: N.T.S.



NOTE: PROVIDE CONTROL JOINTS AT 10' O.C. (25% SLAB THICKNESS)

14 CONCRETE CURB SECTION
C8 SCALE: N.T.S.

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

11 NOT USED
C8 SCALE: N.T.S.

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estesflyshielder.com

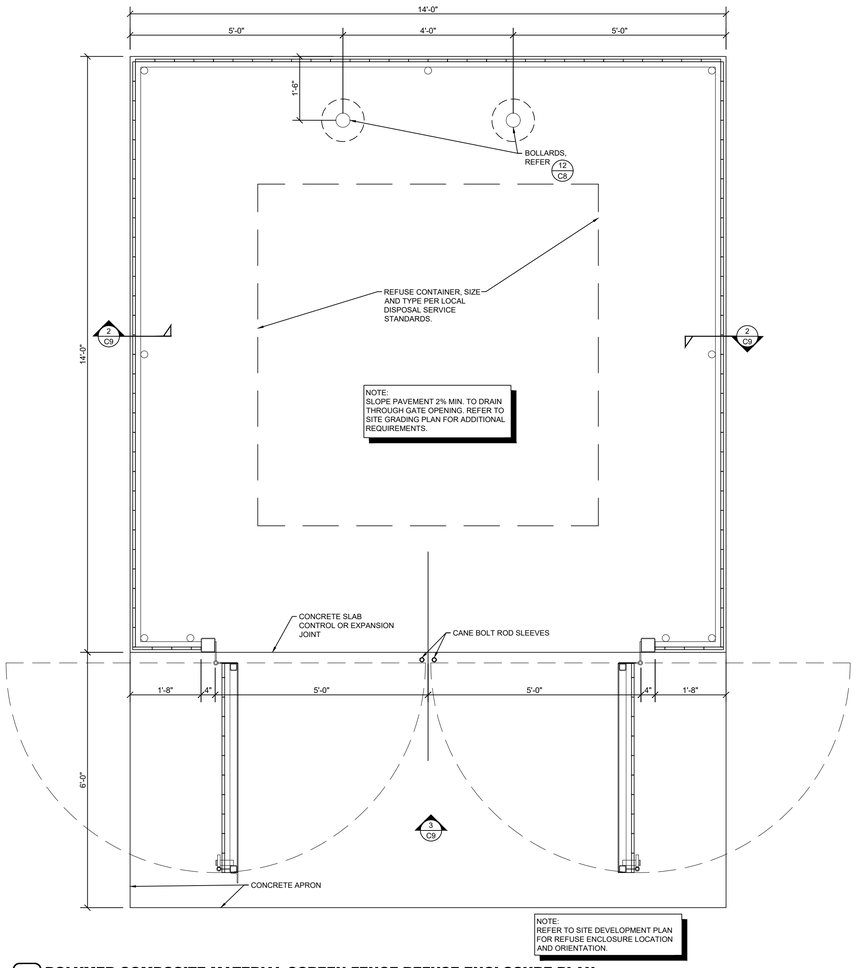
PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

SITE DEVELOPMENT DETAILS 1

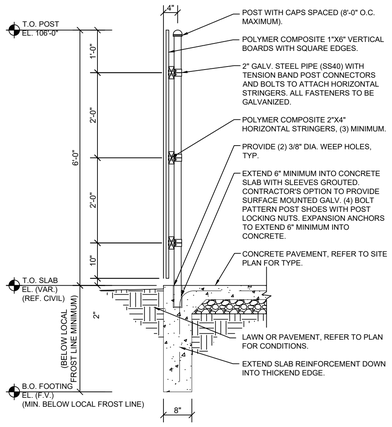
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 05-23-2025
REVISION
DATE:

Plot Stamp: 5/22/2025 12:55:52 PM - Lemon, Jasmin
File: u:\238201809\acad\dwg\sheet_files\CI-DETAILS.dwg, Tab: Site



1 POLYMER COMPOSITE MATERIAL SCREEN FENCE REFUSE ENCLOSURE PLAN
C9 SCALE: 3/4" = 1'-0"



2 SCREEN FENCE SECTION
C9 SCALE: 3/4" = 1'-0"

GENERAL NOTES

A. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

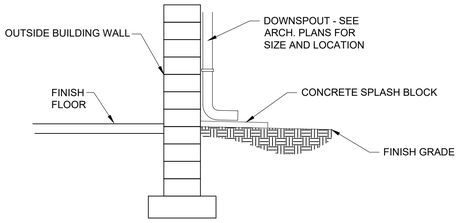
B. DIMENSIONS ARE TO ROUGH FACE OF CONCRETE, FRAMING, OR CENTER LINE OF STRUCTURE UNLESS OTHERWISE INDICATED.

C. REFER TO CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

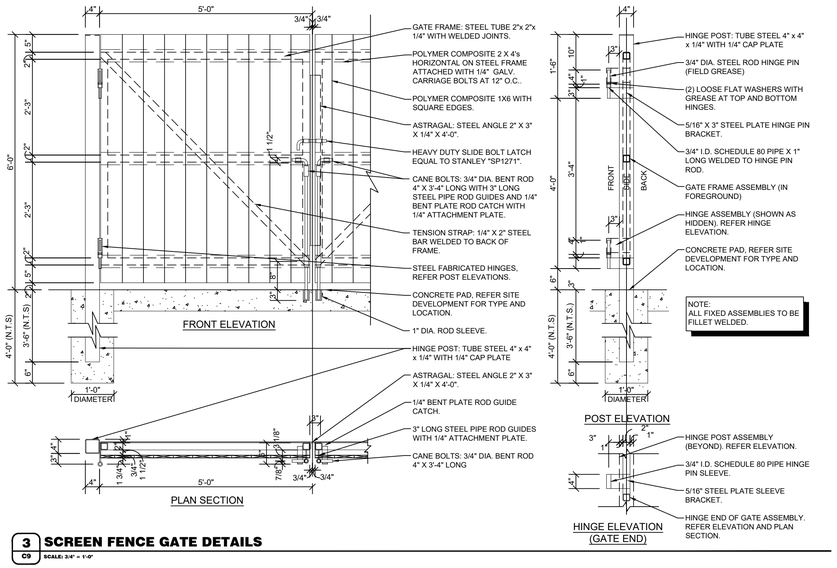
D. REFER TO ARCHITECTURAL EXTERIOR FINISH SCHEDULE FOR MATERIAL TYPES, COLORS, AND FINISHES. UNLESS OTHERWISE INDICATED PROVIDE FINISHES AS FOLLOWS:

1. ALL NON-GALVANIZED METAL PARTS TO BE PRIMED AND PAINTED (2) COATS SHERWIN WILLIAMS SW6468 "HUNT CLUB".

2. POLYMER COMPOSITE MATERIAL COLOR TO BE EQUAL TO LOUISIANA-PACIFIC-LP ELEMENTS ATLAS COLLECTION-76 SERIES "PORTLAND STORM" OR MIDWEST MANUFACTURING - ULTRADECK "NEW."



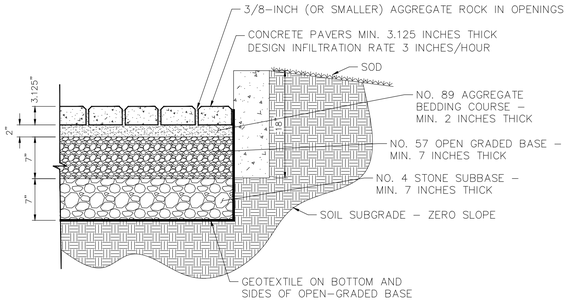
4 DOWNSPOUT DETAIL
C9 SCALE: N.T.S.



3 SCREEN FENCE GATE DETAILS
C9 SCALE: 3/4" = 1'-0"

NOTES:

1. THE IN-SITU (OR IMPORTED) SUBGRADE SOIL (BELOW THE PERVIOUS PAVEMENT SYSTEM) SHALL BE COMPACTED TO A MAXIMUM OF 92-95% MODIFIED PROCTOR DENSITY (ASTMD-1557) TO A MINIMUM DEPTH OF 24 INCHES. FOR PROPOSED PERVIOUS PAVEMENTS WITHIN REDEVELOPMENT PROJECTS, THE EXISTING PAVEMENT SECTION AND ITS COMPACTED BASE SHALL BE REMOVED. THE UNDERLYING SOILS ARE TO BE SCARIFIED TO A MINIMUM 16 INCH DEPTH, RE-GRADED, FILLED WITH HYDRAULICALLY CLEAN SOLS (IF APPLICABLE) AND PROOF ROLLED TO A MAXIMUM COMPACTION OF 92-95% MODIFIED PROCTOR DENSITY (ASTM-D-1557)
2. GEOTEXTILE FABRIC ENVELOPE SHALL BE TYPE D-3 (FDOT SPECIFICATION # 514) WITH A PERMEABLILITY OF 0.7'/SEC AND AN APPARENT OPENING SIZE OF 0.425 MM (#80 SIEVE). ALL GEOTEXTILE FABRIC JOINTS SHOULD OVERLAP A MINIMUM OF 1 FOOT.
3. PERMEABLE INTERLOCKING CONCRETE PAVEMENT SYSTEM SHALL FOLLOW ASTM SPECIFICATIONS FOR ALL GRADING REQUIREMENTS (SIEVE SIZE AND PERCENT PASSING). REFER TO SPECIFICATIONS AS PROVIDED BY INTERLOCKING CONCRETE PAVEMENT INSTITUTE (ICPI) . REFER TO WWW.ICPI.ORG. PHONE: 800.241.3652.
4. PATTERN OF PAVERS SHALL BE HERRINGBONE. COLOR AND PAVER TO BE SELECTED BY OWNER REPRESENTATIVE.



5 PERMEABLE PAVEMENT SECTION
C9 SCALE: N.T.S.

PAVER SYSTEM MAINTENANCE:
PERVIOUS MAINTENANCE IS VITAL TO THE CONTINUED EFFECTIVENESS OF THE PERMEABLE INTERLOCKING CONCRETE PAVEMENT SYSTEM. THE MANUFACTURER'S OPERATION AND MAINTENANCE SPECIFICATIONS FOR THE SYSTEM SHOULD BE ADHERED TO AS WELL. ICPI (INTERLOCKING CONCRETE PAVEMENT INSTITUTE) HAS PROVIDED MAINTENANCE DOCUMENTATION (AS SHOWN ON THIS SHEET). THE NORMAL MAINTENANCE TASKS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

1. THE STORM MANAGEMENT SYSTEM SHOULD INCLUDE QUARTERLY INSPECTIONS. INSPECTIONS SHOULD BE CONDUCTED AFTER LARGE STORM EVENTS TO CHECK FOR SURFACE PONDING THAT MIGHT INDICATE LOCAL OR WIDE SPREAD CLOGGING OF THE STORM SYSTEM.
2. ALL STORM INLETS SHOULD BE CHECKED PERIODICALLY AND CLEANED OUT WHEN SEDIMENTS ARE PRESENT. THIS CAN BE DONE MANUALLY OR BY A VACUUM PUMP. STORM INLETS AND PIPES SHOULD BE CHECKED FOR CLOGGING AND VANDALISM.
3. PRIOR TO ANTICIPATED STORM EVENTS, STORM INLETS SHOULD BE INSPECTED AND CLEARED OF OBSTRUCTIONS THAT WILL IMPEDE THE FLOW. STORM INLETS AND PIPES CANNOT BE CLOGGED AND MUST BE CLEAR OF DEBRIS AND SEDIMENTS SO THAT DISCHARGE FLOW IS NOT HINDERED.
4. DEBRIS IN AND AROUND THE SYSTEM AND OUTFALL PIPE MUST BE REMOVED.
5. REFER TO INTERLOCKING CONCRETE PAVEMENT INSTITUTE (ICPI) MAINTENANCE PROCEDURES FOR PERFORMANCE MAINTENANCE REQUIREMENTS OF THE SYSTEM (REFER TO WWW.ICPI.ORG).

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.4558
Fax: 417.862.3265
e-mail: architect@stcitysmcedier.com

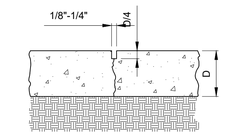
PROJECT:
NEW OREILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

SITE DEVELOPMENT DETAILS 2

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

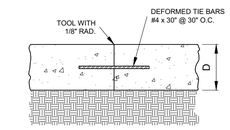
COMM # 4902
DATE: 05-23-2025
REVISION DATE:

Plot Stamp: 5/22/2025 12:55:56 PM - Lemon, Jasmin
File: u:\238201699\acad\dwg\sheet_files\GI-DETAILS.dwg, Tab: Dumpster



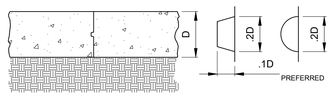
TYPE 'A' UNDOWELED
CONTRACTION (CONTROL) JOINT
NTS

UNDOWELED TRANSVERSE CONTRACTION OR LONGITUDINAL JOINT, SAWED OR PRE-MOLDED. DO NOT DOWEL PAVEMENTS LESS THAN 7" THICK



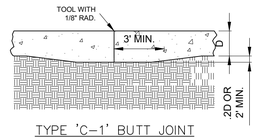
TYPE 'B' TIED JOINT
NTS

TIED LONGITUDINAL CONSTRUCTION OR CONTRACTION JOINT WHERE REQUIRED. NOTE: DO NOT TIE MORE THAN THREE LANES TOGETHER.



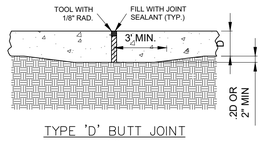
TYPE 'C' CONSTRUCTION JOINT
NTS

LONGITUDINAL KEYWAY CONSTRUCTION JOINT FOR PAVEMENT 6 INCHES OR GREATER. TYPE C-1 STRAIGHT BUTT TYPE JOINT USED FOR PAVEMENTS LESS THAN 6 INCHES.



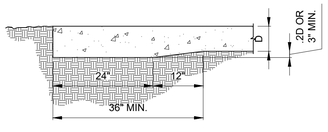
TYPE 'C–1' BUTT JOINT
NTS

IN LIEU OF THICKENING EDGES, OVERALL PAVEMENT THICKNESS MAY BE INCREASED AS FOLLOW: 6 INCHES OR LESS, ADD 0.5 INCH. MORE THAN 6 INCHES, ADD 1 INCH.

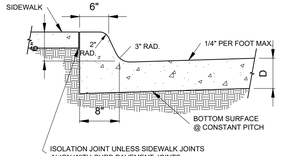


TYPE 'D' BUTT JOINT
NTS

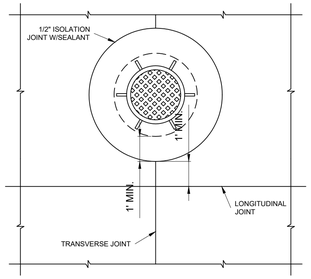
ISOLATION JOINT FOR PAVEMENTS LESS THAN 8" THICK.

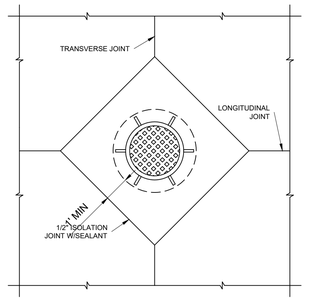


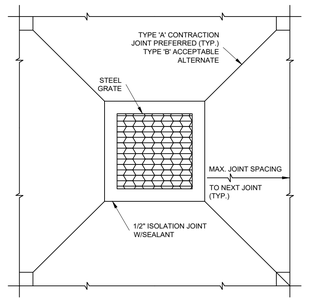
THICKENED EDGE
NTS



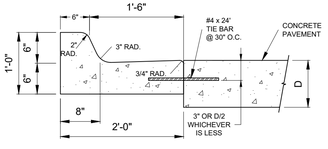
INTEGRAL CURB
NTS





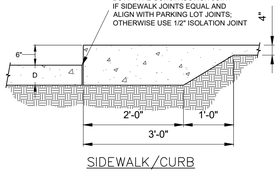


JOINTS AT MANHOLES
NTS

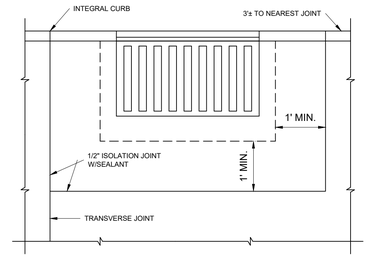


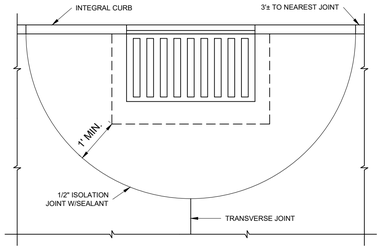
TIED CURB
NTS

TYPE F, FDOT CURB SHOWN, OTHER TYPE MAY BE USED WITH THE SAME TIE BAR CONFIGURATION.

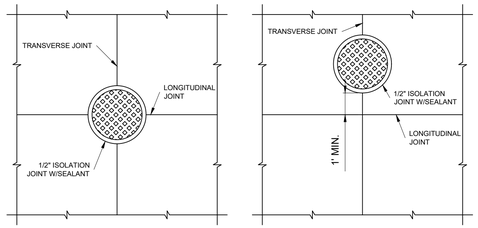


SIDEWALK/CURB
NTS



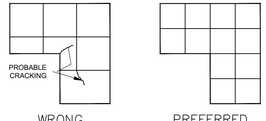


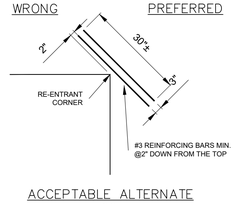
JOINTS AT INLETS
NTS



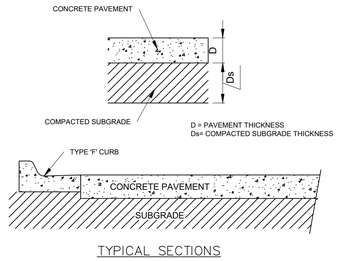
JOINTS AT MANHOLE
NTS

TYPE JOINT DETAILS
A DOWELED OR UNDOWELED
B TIED
C CONSTRUCTION WITH KEYWAY
C-1 BUTT
D ISOLATION
D-1 ISOLATION WITH DOWEL

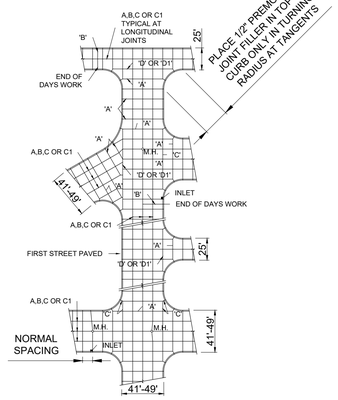




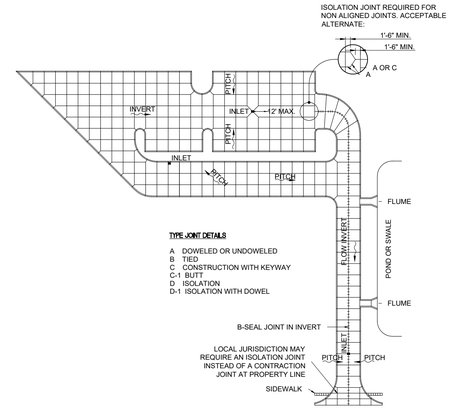
ACCEPTABLE ALTERNATE
NTS



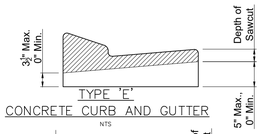
TYPICAL SECTIONS
NTS



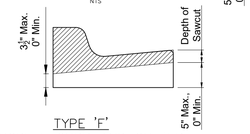
TYPICAL PAVEMENT JOINT PLAN
NTS



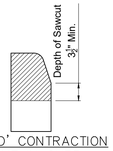
TYPICAL PARKING AREA JOINT LAYOUT
NTS



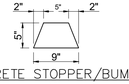
TYPE 'E'
CONCRETE CURB AND GUTTER
NTS



TYPE 'F'
CONCRETE CURB AND GUTTER
NTS



TYPE 'D' CONTRACTION
JOINT IN CURB
NTS



CONCRETE STOPPER/BUMPER
NTS

RECOMMENDED MAX. JOINT SPACINGS

PAVEMENT THICKNESS (INCHES)	RECOMMENDED MAXIMUM JOINT SPACING (FEET)
3.5 (FOR WHITETOPPING ONLY)	6
4.0	10
4.5	10
5.0	12
5.5	12
6.0	15
OVER 6.0	15

GENERAL NOTES:

1. USE ACI OR FC&PA CERTIFIED FLATWORK FINISHER
2. USE ACI 330R-01 GUIDE FOR DESIGN AND CONSTRUCTION OF CONCRETE PARKING LOTS
3. USE ACI 330.1-94 STANDARD SPECIFICATION FOR PLAIN CONCRETE PARKING LOTS
4. ALL CONCRETE USED IN PARKING LOT, UNLESS OTHERWISE INDICATED, SHALL HAVE A COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
5. PREPARE THE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS FOR RIGID PAVEMENTS. SUBGRADE SOIL DENSITY TESTING MUST BE COMPLETED AND VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
6. IMPORTED SOIL USE FOR BACK FILL SHOULD BE FREE OF HEAVY CLAY, SILTS, STONES, PLANT ROOT OR OTHER FOREIGN MATERIAL GREATER THAN 1½" IN DIAMETER IN ORDER TO ACHIEVE ADEQUATE COMPACTION AROUND ANY FIXED OBJECT IN GROUND. ALTERNATE WILL BE TO USE FLOWABLE FILL.
7. LAYOUT CONTROL JOINT BY STARTING WITH ANY DRAINAGE INLET WITHIN THE PAVEMENT SECTION AND WORK TOWARD EDGE OF PAVEMENT
8. KEEP ALL JOINTS CONTINUOUS
9. CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 12 HOURS FROM TIME OF PLACEMENT:
   A. SIDEWALK-SPACING SHALL BE SAME AS WIDTH OF PAVEMENT AND LESS THAN 5 FEET IN LENGTH
   B. PAVEMENT-MAXIMUM SPACING SHALL BE 2.5 TIMES THICKNESS IN UNIT OF FEET AND LESS THAN 15 FEET IN LENGTH (E.G. T=4 INCH SPACING AT 10'x10')
10. CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: WATER, PIGMENTED WATER-BASED CURING COMPOUND OR VISQUEEN AND BURLAP
11. ALL DETAILS ARE TYPICAL - REFERENCE TECHNICAL SPECIFICATIONS, FDOT SPECS/INDEXS, 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:

1. ALL CURBING SHALL BE CONSTRUCTED OF CONCRETE THAT WILL OBTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED.
2. ALL CONCRETE CURBS SHALL BE SPACED WITH A FULL-DEPTH, ½" WIDTH ISOLATION JOINT MATERIAL PRIOR TO PLACEMENT OF ADJACENT CONCRETE PAVEMENT
3. 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
4. ALL CURB ENDS THAT DO NOT TIE INTO OTHER FACILITIES SHALL TRANSITION DOWN TO PAVEMENT
5. GRADE IN 24 INCHES CONSTRUCTION JOINT SHALL BE TIED WITH A No.4 TIE BAR EXTENDED 6 INCHES INTO EACH CURB SECTION AND SHALL BE SPACED WITH A FULL-DEPTH ½" WIDTH ISOLATION JOINT MATERIAL

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Fast. It's Free. It's the Law.
www.callsunshine.com

* ALL DETAILS ARE TYPICAL - REFERENCE TECHNICAL SPECIFICATIONS, FDOT SPECS/INDEXS, 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.

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estherlyxchelder.com

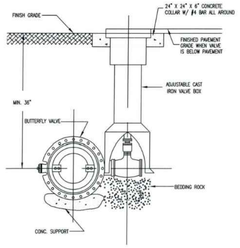
PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

CONCRETE JOINT DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

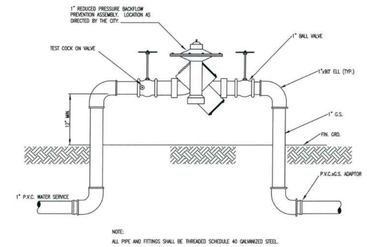
COMM # 4902
DATE: 05-23-2025
REVISION
DATE:

Plot Stamp: 5/22/2025 12:56:00 PM - Lemon, Jasmin
File: u:\238201899\acad\dwg\sheet_files\GI-DETAILS.dwg, Tab: Concrete



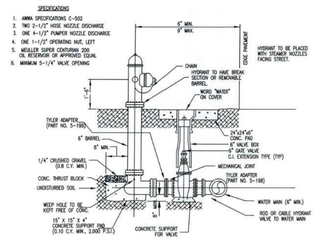
BUTTERFLY VALVE & BOX DETAIL

CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	BUTTERFLY VALVE AND BOX DETAIL	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF



BACKFLOW PREVENTION ASSEMBLY

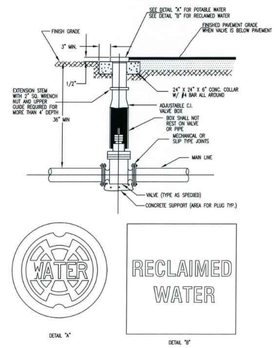
CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	BACKFLOW PREVENTION ASSEMBLY	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF



1. MINIMUM OF 500 (5) FEET, MAXIMUM OF NINE (9) FEET FROM EDGE OF PAVEMENT.
2. COLOR TO BE RED
3. BLUE REFLECTIVE HYDRANT MARKERS INSTALLED PER CITY OF EUSTIS FIRE DEPARTMENT

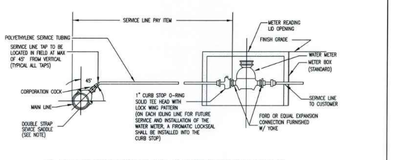
FIRE HYDRANT W/ VALVE
(STANDARD FIRE HYDRANT ASSEMBLY)

CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	Fire Hydrant Assembly	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF



VALVE & VALVE BOX DETAIL

CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	VALVE & VALVE BOX	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF



NOTE: ALL MAIN LINE SERVICE CONNECTION TAPS (1" & 1 1/2" INDIVIDUAL OR BRANCHES) SHALL BE MADE WITH A DOUBLE STRAP SERVICE SADDLE.

TYPICAL MAIN LINE, SERVICE LINE
AND METER CONNECTION

CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	SERVICE LINE CONNECTION	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF

PIPE RESTRAINT FOR D.I. PIPE
MINIMUM RESTRAINED LENGTH (FT) – EACH SIDE OF FITTING

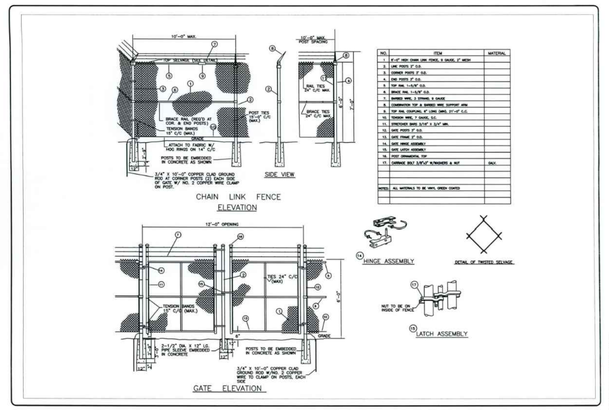
	PIPE SIZE – INCHES									
FITTING TYPE	4	6	8	10	12	14	16	18	20	24
VERT. UP OR HORIZ										
11-1/4 BEND	2	3	4	4	5	6	6	7	8	9
22-1/2 BEND	4	6	7	9	10	12	13	14	16	18
45 BEND	8	12	15	18	21	24	27	30	32	37
90 BEND	20	29	37	44	52	59	65	72	78	90
VERTICAL DOWN										
11-1/4 BEND	4	6	8	9	11	12	14	15	17	19
22-1/2 BEND	8	12	15	19	22	25	28	31	34	39
45 BEND	17	25	32	39	45	52	58	64	70	82
90 BEND	42	60	77	94	109	125	140	155	169	197
BRANCH OF TEE	15	31	48	63	79	94	108	123	136	164
DEAD END	42	60	77	94	109	125	140	155	169	197
REDUCERS										
SIZE	6X4	8X4	8X6	10X6	10X8	12X6	12X8	12X10	14X6	14X8
RESTR. LENGTH	31	57	33	59	33	82	59	32	103	84
SIZE	16X6	16X8	16X12	16X8	18X12	18X16	20X12	20X16	24X12	24X16
RESTR. LENGTH	123	106	60	126	86	33	109	60	150	110

PIPE RESTRAINT FOR PVC PIPE (C-900/C-905 OR 16)
MINIMUM RESTRAINED LENGTH (FT) – EACH SIDE OF FITTING

	PIPE SIZE – INCHES									
FITTING TYPE	4	6	8	10	12	14	16	18	20	24
VERT. UP OR HORIZ										
11-1/4 BEND	2	3	4	5	6	6	7	8	9	10
22-1/2 BEND	5	6	8	10	12	13	15	16	17	20
45 BEND	10	13	17	21	24	27	30	33	36	41
90 BEND	23	32	42	50	58	66	73	80	87	100
VERTICAL DOWN										
11-1/4 BEND	6	8	10	12	14	16	18	20	22	25
22-1/2 BEND	11	16	20	24	28	32	36	40	43	50
45 BEND	23	33	42	51	59	67	75	83	91	105
90 BEND	56	79	102	122	143	163	182	201	219	253
BRANCH OF TEE	20	41	63	83	103	129	141	159	177	210
DEAD END	56	79	102	122	143	163	182	201	218	253
REDUCERS										
SIZE	6X4	8X4	8X6	10X6	10X8	12X6	12X8	12X10	14X6	14X8
RESTR. LENGTH	41	74	43	76	41	105	77	42	133	108
SIZE	16X6	16X8	16X12	16X6	16X12	18X16	20X12	20X16	24X12	24X16
RESTR. LENGTH	159	137	79	163	111	41	141	78	184	142

PIPE RESTRAINT LENGTHS

CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	PIPE RESTRAINT LINKS	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF



CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	FENCE DETAIL	JOB NAME	REVISION # DATE / DESIGN BY: DRAWN BY: CHECKED BY: HORIZ. SCALE: VERT. SCALE: DATE: SHEET OF

OTHER PIPE	(a) GRAVITY OR PRESSURE SANITARY SEWER (b) SANITARY SEWER FORCE MAIN (c) RECLAIMED WATER (4)	(a) STORM SEWER, (b) STORMWATER FORCE MAIN, (c) RECLAIMED WATER (2)	ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM
HORIZONTAL SEPARATION	WATER MAIN — 10' PREFERRED 6' MINIMUM (3) — OTHER PIPE	WATER MAIN — 3' MIN — OTHER PIPE	10' MIN.
CROSSINGS (1)	WATER MAIN — 12" IS THE MINIMUM EXCEPT FOR GRAVITY SEWER, THEN 6" IS THE MINIMUM AND 12" IS PREFERRED. — OTHER PIPE	WATER MAIN — 12" IS THE MINIMUM EXCEPT FOR STORM SEWER, THEN 6" IS THE MINIMUM AND 12" IS PREFERRED. — OTHER PIPE	—
JOINT SPACING AT CROSSINGS (FULL JOINT CENTERED)	ALTERNATE 6 FT MINIMUM — PIPE — WATER MAIN — OTHER	ALTERNATE 3 FT MINIMUM — PIPE — WATER MAIN — OTHER	—

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
(3) 3 FT FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
(4) RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

PIPING CLEARANCES

CITY OF EUSTIS ENGINEERING DEPT. P.O. DRAWER 68 10 N. GROVE ST. EUSTIS, FL 32727-0068 352-483-5480	PIPE CLEARANCES	JOB NAME	DESIGN BY: DRAWN BY: MNB CHECKED BY: RAG HORIZ. SCALE: N.T.S. VERT. SCALE: DATE: NOV. 10, 2016 SHEET OF

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

BRYAN LOUIS ZARLENGA LICENSE No. 52167 STATE OF FLORIDA PROFESSIONAL ENGINEER
03/27/2025
BRYAN L. ZARLENGA, PE
FL LICENSE NO. 52167

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

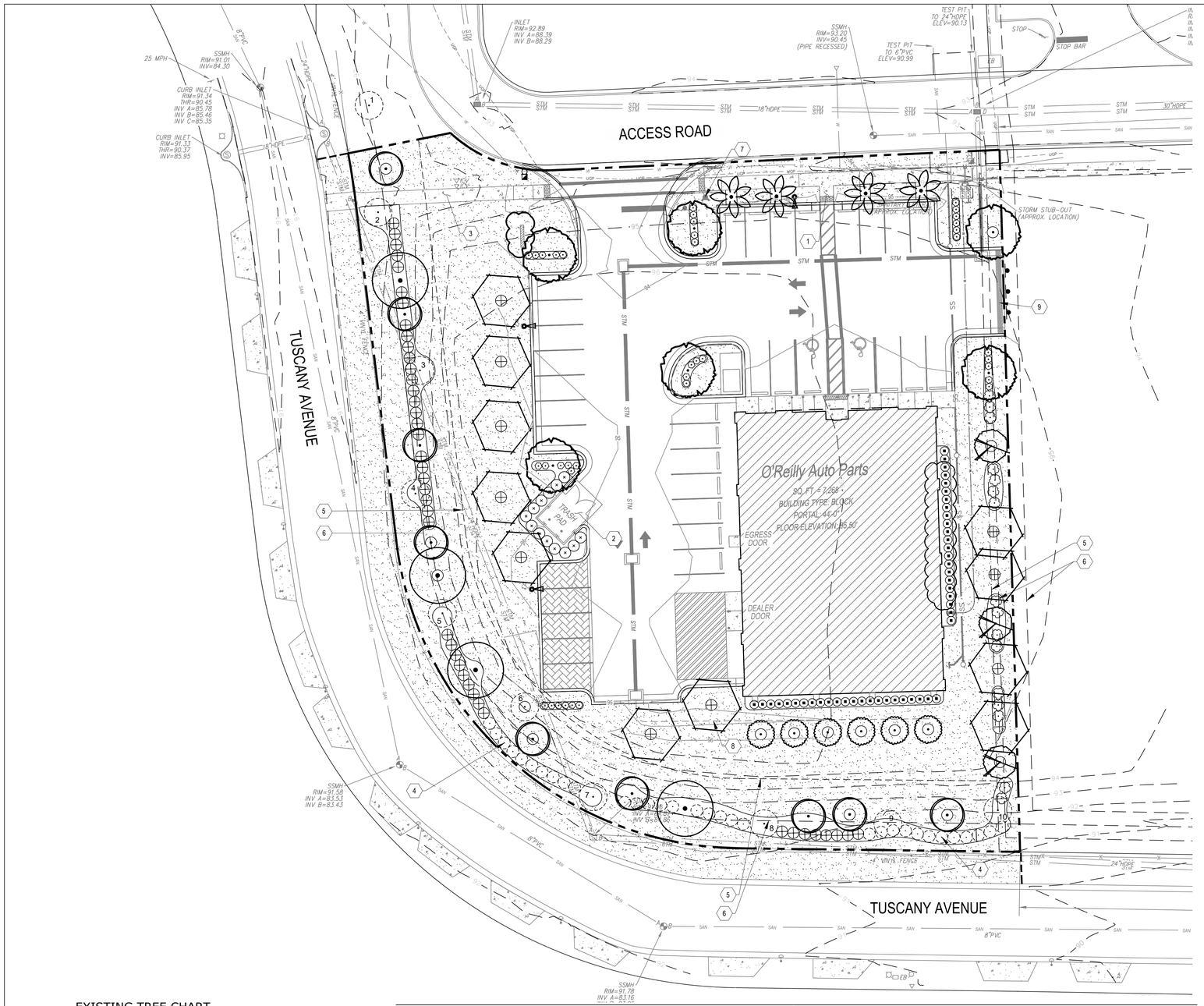
THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.6558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
FL-HWY 44
EUSTIS, FL

SITE UTILITY DETAILS 1

COMM # 4902
DATE: 05-23-2025
REVISION
DATE:

Plot Stamp: 5/22/2025 12:56:05 PM - Lemon, Jasmin
File: u:\2360\188\dwcad\dwgsheet_files\GI-DETAILS.dwg, Tab: Utility1



PLANT SCHEDULE

SYMBOL	QTY	BOTANICAL / COMMON NAME	SIZE	MIN HT / SPR	SPACING
CANOPY TREE					
	6	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2.5" CAL	12-14` HT	AS SHOWN
	11	ACER SACCHARUM `PNI 0285` GREEN MOUNTAIN® SUGAR MAPLE	2.5" CAL	12-14` HT	AS SHOWN
	4	QUERCUS VIRGINIANA `SDLN` CATHEDRAL™ LIVE OAK	2.5" CAL	12-14` HT	AS SHOWN
	4	SABAL PALMETTO CABBAGE PALMETTO	---	4` CT	AS SHOWN
ORNAMENTAL TREES					
	3	ARALIA SPINOSA DEVIL'S WALKINGSTICK	2" CAL	8` HT	AS SHOWN
	6	LAGERSTROEMIA INDICA X FAURIEI `TONTO` TONTO CRAPE MYRTLE	2" CAL	6` HT	AS SHOWN
	9	PRUNUS KWANZAN KWANZAN CHERRY	2" CAL	8` HT	AS SHOWN
SHRUBS					
	16	ABELIA X GRANDIFLORA GLOSSY ABELIA	---	24" HT	4`-0" OC
	42	ILEX CORNUTA 'BURFORDII NANA' DWARF BURFORD HOLLY	---	24-36" HT	4`-0" OC
	38	LOROPETALUM CHINENSE RUBRUM `PURPLE PIXIE' PURPLE PIXIE LOROPETALUM	---	12" HT	2`-6" OC
	13	PODOCARPUS MACROPHYLLUS YEW PODOCARPUS	---	18" HT	4`-0" OC
	45	SCHEFFLERA ARBORICOLA 'DWARF' DWARF SCHEFFLERA	---	18" HT	3`-0" OC
SOD					
	26,278 SF	PASPALUM NOTATUM `ARGENTINE` ARGENTINE BAHIAGRASS	SOD		

MULCH

- ALL PLANT BEDS SHALL CONTAIN A 3" LAYER OF GROUND MELALEUCA MULCH
- CONTRACTOR TO PLACE A 4' DIAMETER MULCH RING AROUND ALL TREES IN LAWN WITH MINIMUM 4' CLEARANCE NEXT TO ADJACENT PLANT BEDS OR HARDSCAPE ELEMENTS

KEY NOTES:

1. PROPOSED SIDEWALK
2. DUMPSTER ENCLOSURE
3. EXISTING SIDEWALK
4. REPLACE DEAD SHRUBS AS NECESSARY
5. TYPE 'A' LANDSCAPE BUFFER
6. UTILITY EASEMENT
7. EXISTING FIRE HYDRANT
8. DRAINAGE SWALE
9. BARRICADE

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND

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

SCALE: 1"=20'-0"

0 10 20 40

EXISTING TREE CHART

TREE TO BE RETAINED - NUMBER IN SYMBOL CORRELATES WITH BELOW EXISTING TREE CHART.

TREE CHART

NO.	DBH	SPECIES
1	11	LIVE OAK
2	12	LIVE OAK
3	11	LIVE OAK
4	13	LIVE OAK
5	14	LIVE OAK
6	16	LIVE OAK
7	14	LIVE OAK
8	12	LIVE OAK
9	13	LIVE OAK
10	14	LIVE OAK
11	13	LIVE OAK

TREE IDENTIFICATIONS PROVIDED BY NATIVE FLORIDA LANDSCAPE, LLC. CERTIFIED ARBORIST. SEE THE ARBORIST'S REPORT FOR ADDITIONAL INFORMATION.

LANDSCAPE REQUIREMENTS

BUFFER REQUIREMENTS (PER 100 LF):

EAST (220 LF) 7.5' TYPE B BUFFER

REQUIRED CANOPY TREES:	4 AT 50%
PROVIDED CANOPY TREES:	4
REQUIRED ORNAMENTAL TREES:	3 AT 50%
PROVIDED ORNAMENTAL TREES:	3
REQUIRED SHRUBS:	HALF A ROW OF SHRUBS AT 50%
PROVIDED SHRUBS:	HALF A ROW OF SHRUBS AT 50%

TUSCANY AVENUE (422 LF) 25' TYPE A BUFFER

REQUIRED CANOPY TREES:	13
PROVIDED CANOPY TREES:	5 + EXISTING TREES TO MEET REQUIREMENTS
REQUIRED ORNAMENTAL TREES:	9
PROVIDED ORNAMENTAL TREES:	9
REQUIRED SHRUBS:	ONE ROW OF SHRUBS
PROVIDED SHRUBS:	ONE ROW OF SHRUBS + EXISTING SHRUBS TO MEET REQUIREMENTS

PARKING LOT LANDSCAPING REQUIREMENTS:

REQUIRED CANOPY TREES:	16 (1 PER 50' OC AROUND PERIMETER OF PARKING LOT AND SERVICE AREA, AND 1 AT EACH TERMINAL ISLAND)
PROPOSED CANOPY TREES:	15 + 1 EXISTING TREE (INCLUDES PALM SUBSTITUTIONS AT 2:1 RATIO)
REQUIRED SHRUBS:	CONTINUOUS ROW OF SHRUBS
PROVIDED SHRUBS:	CONTINUOUS ROW OF SHRUBS

BUILDING LANDSCAPE REQUIREMENTS:

346 LF (40% OF BUILDING PERIMETER TO RECEIVE 1 CANOPY AND 28 SHRUBS PER 100 LF. MAY SUBSTITUTE 3 ORNAMENTAL TREES PER CANOPY)

REQUIRED TREES:	2 CANOPY (3 ORNAMENTAL TREES PER 100 LF)
PROVIDED TREES:	6 ORNAMENTAL
REQUIRED SHRUBS:	39 (28 SHRUBS PER 100 LF)
PROVIDED SHRUBS:	39

SUPPLEMENTAL REQUIREMENTS:

REQUIRED OPEN SPACE TREES:	10 CANOPY TREES PER 1 AC OF PERVIOUS OPEN SPACE
PROVIDED OPEN SPACE TREES:	11 CANOPY TREES

CESO
WWW.CESOINC.COM

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's fast. It's free. It's the law.
www.callsunshine.com

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

REGISTERED LANDSCAPE ARCHITECT
EDWARD ALLEN BROWNE
LA 6666750
STATE OF FLORIDA

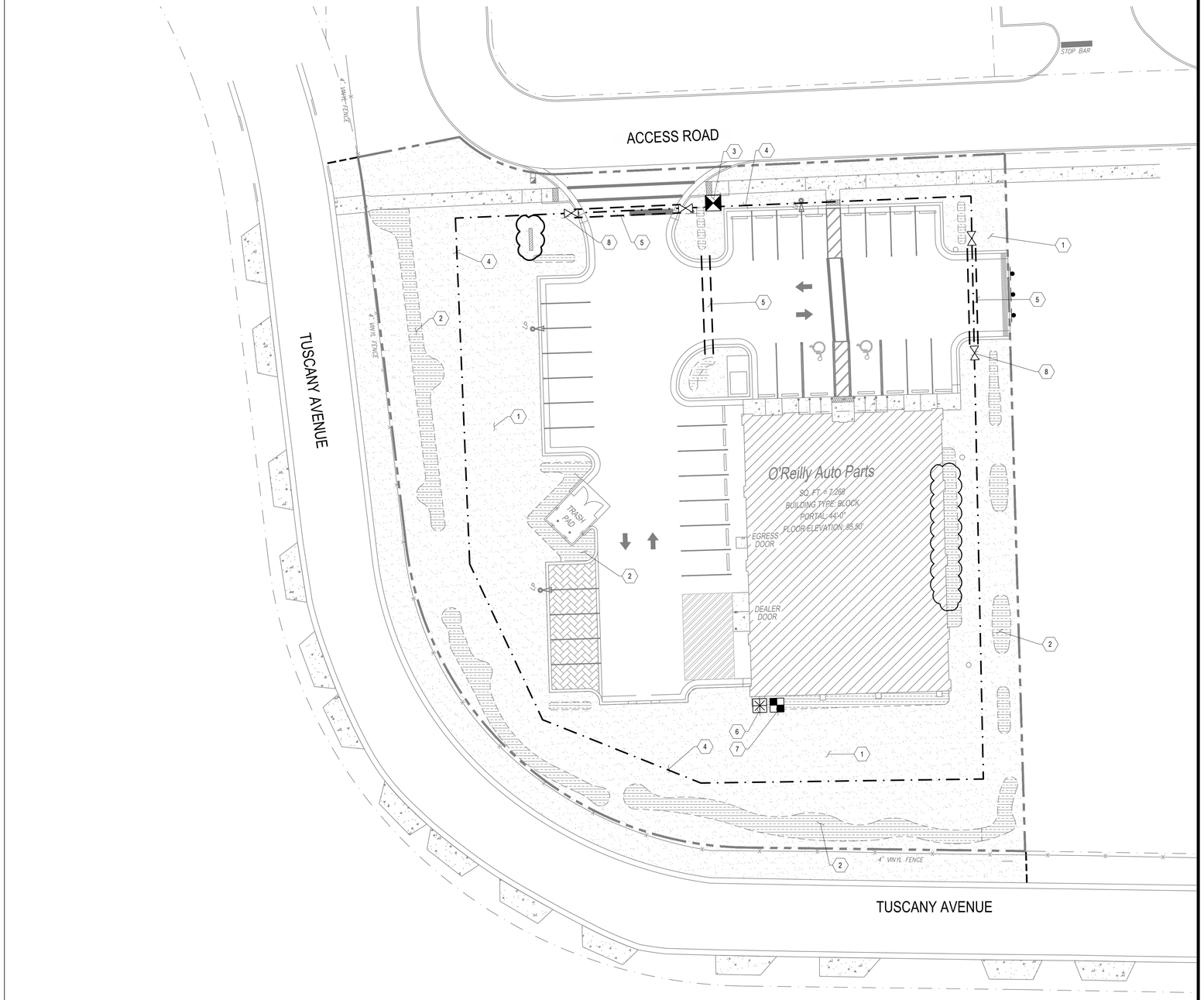
THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estterfyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
24400 FL-HWY 44
EUSTIS, FL

PLANTING PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4002
DATE: 05/23/2025
REVISION
DATE: 08-22-2025
01-06-2026



GENERAL NOTES:

1. IRRIGATION SYSTEM DESIGN BASED ON 30 GPM AND 75 PSI.
2. IRRIGATION DESIGN IS FROM THE POINT OF CONNECTION (POC) ONLY. THE DESIGN IS BASED ON GALLONS PER MINUTE (GPM) AND POUNDS PER SQUARE INCH (PSI) AS FURNISHED BY OTHERS.
3. 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.
4. THE PRESSURE REQUIREMENT AT THE POINT OF CONNECTION IS BASED ON NO MORE THAN 5 FEET OF ELEVATION CHANGE IN THE AREAS OF IRRIGATION.
5. CONTRACTOR TO USE CONTINUOUS RUNS FOR ALL PROPOSED CONTROL WIRES. IF NECESSARY, LOCATE ALL WIRE SPLICES IN VALVE BOX. BUNDLE WIRES IN VALVE BOX WITH MINIMUM 24" OF EXCESS CABLE PER BUNDLE. ALL SPLICES MUST BE WATERPROOF WITH 3M DBY/DBR-6 CONNECTORS.
6. PIPE LOCATIONS ARE DIAGRAMMATIC. VALVES AND MAINLINE SHOWN IN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY.
7. 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.
8. CONTRACTOR TO PROVIDE ANY STAKING NECESSARY FOR PROPERTY LINES, EASEMENT LINES, ETC. TO INSTALL PLANTING AND IRRIGATION AS PER PLANS.
9. 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.
10. SEE DETAIL SHEET L4 & L5 FOR FURTHER IRRIGATION NOTES & DETAILS

KEY NOTES:

1. 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.).
2. PLANTER BED IRRIGATION COVERAGE (TYP. OF HATCHED AREAS).
   ALL PROPOSED PLANTINGS SHALL RECEIVE DRIP IRRIGATION
3. POINT OF CONNECTION IS A SEPARATE WATER METER WITH A BACKFLOW PREVENTER. (ACTUAL LOCATION TO BE DETERMINED)
   REFER TO CIVIL SET FOR FURTHER INFORMATION
4. 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.
5. UNDERPAVEMENT SLEEVING (TYP.) - SCHEDULE 40 PIPE:
   4" DIAMETER UNLESS OTHERWISE INDICATED. TO BE INSTALLED BY LANDSCAPE CONTRACTOR AT DEPTH AS PER LOCAL CODE.
6. AUTOMATIC CONTROLLER:
   MOUNT CONTROLLER ON INTERIOR SIDE OF BUILDING. SEE MEP SHEETS FOR MORE INFORMATION
7. 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
8. STAINLESS STEEL BALL VALVE (TYP.) - SIZE PER LINE SIZE
   MFG.: LEEMCO FITTINGS (MODEL: LBT-XX-SS)

SCALE: 1"=20'-0"

0 10 20 40

SYMBOLS LEGEND

REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND

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

CESO
WWW.CESOINC.COM

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Good. It's Smo. It's the law.
www.callsunshine.com

Stantec

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

REGISTERED LANDSCAPE ARCHITECT
EDWARD ALLEN BRUNNER
LA 6666750
STATE OF FLORIDA

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estesflyschneider.com

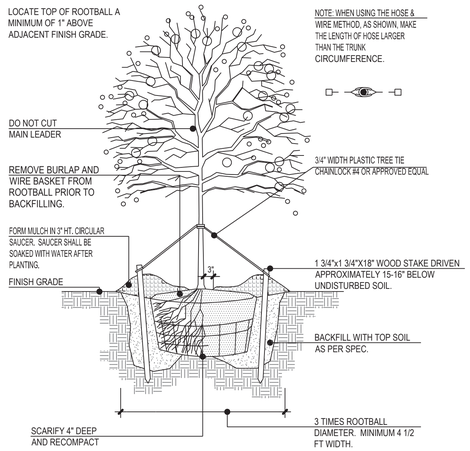
PROJECT:
NEW O'REILLY AUTO PARTS STORE
24400 FL-HWY 44
EUSTIS, FL

IRRIGATION PLAN

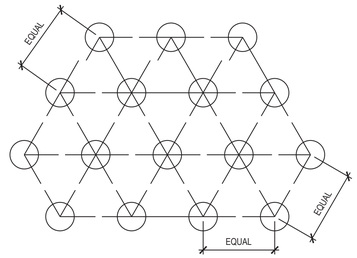
O'Reilly AUTO PARTS

CORPORATE OFFICE
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4002
DATE: 05/23/2025
REVISION
DATE: 08-22-2025
01-06-2026



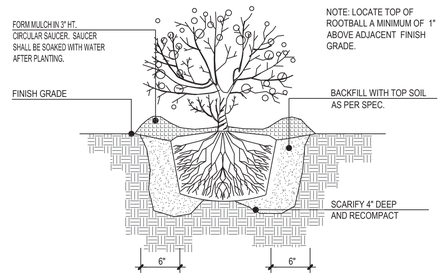
1 DECIDUOUS TREE STAKING N.T.S.



ALL GROUND COVER SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING PER ON CENTER SPACING AS SPECIFIED ON PLANTING PLAN.

LOCATE GROUND COVER ONE HALF OF SPECIFIED SPACING DISTANCE FROM ANY CURB, SIDEWALK, OR OTHER HARD SURFACE, UNLESS OTHERWISE NOTED.

2 GROUND COVER SPACING N.T.S.

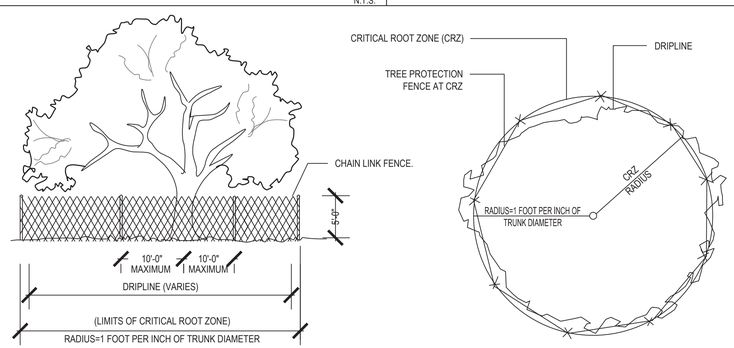


EVERGREEN / DECIDUOUS SHRUB

3 N.T.S.

NOTE: USE TRENCH DETAIL ON ALL PLANTING BEDS TRANSITIONING TO TURF AREAS

4 TRENCH EDGING N.T.S.



NOTES:

1. NO TRUCKS OR HEAVY EQUIPMENT ALLOWED WITHIN BARRIERS, ONLY HAND LABOR ALLOWED.
2. NO CONSTRUCTION MATERIALS, SOILS DEPOSITS, OR SOLVENTS SHALL BE ALLOWED WITHIN BARRIERS.
3. BARRIERS ARE TO IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITIES WITH-IN TREE AREA.
4. BARRIERS ARE TO STAY IN PLACE UNTIL ALL PAVING, CONSTRUCTION, AND HEAVY EQUIPMENT IS REMOVED FROM THE AREA.
5. CRITICAL ROOT ZONE: 1 INCH OF TREE AT DIAMETER BREAST HEIGHT (DBH) IS EQUAL TO 1 FOOT OF CRITICAL ROOT ZONE (CRZ). IE. 30 INCH DBH = 30 FOOT CRZ

5 TYP. TREE PROTECTION N.T.S.

TREE PROTECTION NOTES

1. DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, DO NOT PLACE SOIL DEPOSITS, DEBRIS SOLVENTS, MACHINERY CONSTRUCTION MATERIAL OF ANY KIND WITHIN THE DRIP LINE OF A TREE TO REMAIN.

2. 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.

3. 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

1. 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.
2. SITE CONDITIONS BASED UPON SURVEY PROVIDED BY OWNER. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION.
3. REFER TO SITE CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWING AS NEEDED.
4. REESTABLISH EXISTING TURF IN AREAS DISTURBED BY GRADING OR UTILITY TRENCHING, INCLUDING AREAS IN RIGHT-OF-WAY, TO MATCH EXISTING SPECIES.
5. 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.
6. CONTRACTOR TO REPORT ALL DAMAGES TO EXISTING CONDITIONS AND INCONSISTENCIES WITH PLANS TO LANDSCAPE ARCHITECT.
7. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LANDSCAPE BEDS AND ALL LAWN AREAS.
8. CONTRACTOR TO FINE GRADE AND ROCK-HOUND ALL TURF AREAS PRIOR TO SEEDING, TO PROVIDE A SMOOTH AND CONTINUAL SURFACE, FREE OF IRREGULARITIES (BUMPS OR DEPRESSIONS) & EXTRANEOUS MATERIAL OR DEBRIS.
9. REMOVE EXISTING WEEDS FROM PROJECT SITE PRIOR TO THE ADDITION OF ORGANIC AMENDMENTS AND FERTILIZER. APPLY AMENDMENTS AND FERTILIZER AS NEEDED.
10. 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 LABELED ON THE PLANT LEGEND AND THE QUANTITY OF GRAPHIC SYMBOLS SHOWN, THE GREATER QUANTITY SHALL GOVERN.
11. COORDINATE LANDSCAPE INSTALLATION WITH INSTALLATION OF UNDERGROUND SPRINKLER AND DRAINAGE SYSTEMS.
12. ALL SIZES AND QUALITY OF PLANT MATERIAL SHALL MEET THE MINIMUM SPECIFICATIONS OF THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2014). THE LANDSCAPE CONTRACTOR SHALL INSTALL ALL PLANT MATERIAL IN SIZE AS INDICATED IN THE PLANT SCHEDULE UNLESS OTHERWISE SPECIFIED ON THE PLAN SET. ALL PLANTS THAT DO NOT MEET THE SIZE AND SPECIFICATIONS SET FORTH BY THE AMERICAN STANDARD FOR NURSERY STOCK WILL BE REJECTED BY LANDSCAPE ARCHITECT AT NO COST TO OWNER.
13. 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.
14. 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.
15. 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, NEGLECT, OR VANDALISM) SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
16. WHERE PROPOSED TREE LOCATIONS OCCUR UNDER EXISTING OVERHEAD UTILITIES OR CROWD EXISTING TREES, NOTIFY LANDSCAPE ARCHITECT TO ADJUST TREE LOCATIONS.
17. 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.
18. 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.
19. ALL PLANTS SHALL BE GUARANTEED FOR 1 YEAR AFTER SUBSTANTIAL COMPLETION OCCURS AND FINAL ACCEPTANCE BY OWNER.
20. 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.
21. ALL LANDSCAPE MAINTENANCE SHALL BE IN ACCORDANCE WITH LOCAL GOVERNING STANDARDS.
22. REFER TO PROJECT MANUAL OR WRITTEN SPECIFICATIONS, IF AVAILABLE, FOR ADDITIONAL REQUIREMENTS.

SOIL PLANTING MIXTURE (MIX ONSITE)

1. 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:
   A. ONE PART COMPOST/MANURE PLANTING MIX, TOPSOIL OR APPROVED EQUAL
   B. ONE PART NATIVE SOIL

2. SOILS WITHIN PLANTING AREAS MUST BE SUITABLE FOR PROPOSED PLANTED MATERIAL & SOD 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 OWNER'S REPRESENTATIVE AND REPLACED AT NO COST TO OWNER.

3. 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.

CESO
WWW.CESOINC.COM

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Good, It's Done, It's One Less.
www.callsunshine.com

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

REGISTERED LANDSCAPE ARCHITECT EDWARD A. LUNDBERG LA 0666730 STATE OF FLORIDA

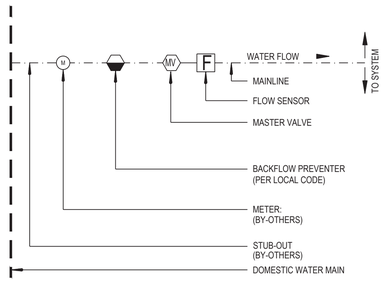
THOMAS A. LUNDBERG ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
24400 FL-HWY 44
EUSTIS, FL

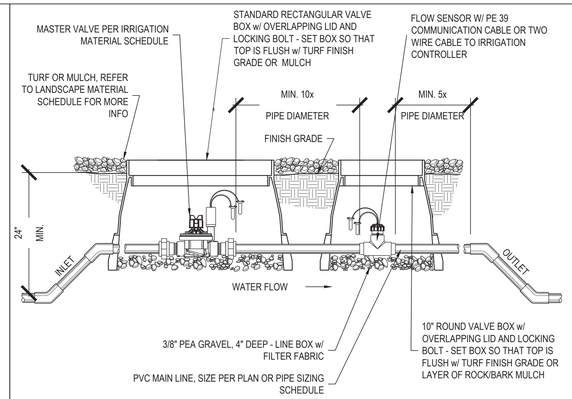
PLANTING DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 05/23/2025
REVISION
DATE:



1 POINT OF CONNECTION N.T.S.

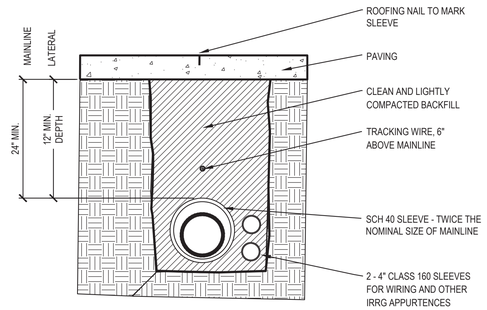


NOTE:
INLET PIPE LENGTH OF SENSOR MUST BE MIN. 10X PIPE DIAMETER STRAIGHT, CLEAN RUN OF PIPE, NO FITTINGS OR TURNS.
OUTLET PIPE LENGTH OF SENSOR MUST BE MIN. 5X PIPE DIAMETER OF STRAIGHT, CLEAN RUN OF PIPE, NOT FITTINGS OR TURNS.

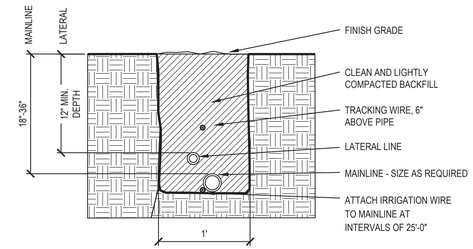
2 MASTER VALVE AND FLOW SENSOR N.T.S.

SLEEVING NOTES

1. CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING ALL SLEEVING FOR THE PROJECT UNLESS OTHERWISE NOTED. UNLESS OTHERWISE INDICATED, ALL SLEEVES ARE TO BE PVC SCH 40 AND TWO (2) NOMINAL SIZES LARGER THAN THE PIPE TO BE SLEEVED. FOR EXAMPLE: THE SLEEVE FOR A 2" PIPE SHALL BE 3". NO IRRIGATION SLEEVE SHALL BE SMALLER THAN 2".
2. ALL SLEEVES ARE TO BE INSTALLED WITH A MINIMUM OF 24" DEPTH OF COVER.
3. ALL SLEEVES TO EXTEND A MINIMUM OF 24" BEYOND THE EDGE OF PAVEMENT (WHEN POSSIBLE).
4. IDENTIFY ALL SLEEVES LOCATIONS BY STAKING THE SLEEVE ENDS WITH COLOR CODED BLUE REBAR AND/OR MARKING THE BACK OF CURB (OR PAVEMENT). COORDINATE WITH OWNER'S REPRESENTATIVE FOR PREFERRED METHOD.



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



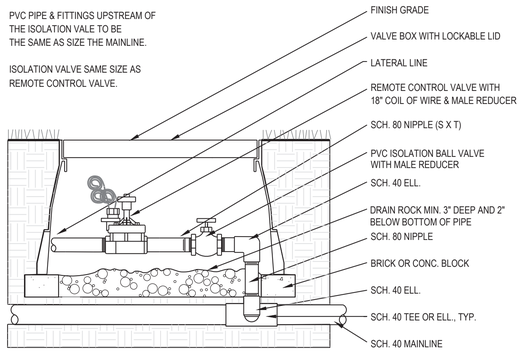
NOTE: IRRIGATION CONTRACTOR IS REQUIRED TO INSTALL TRACING WIRE OVER ALL MAINLINE PIPE AND CONTROLLER WIRE (INCLUDING) WIRE WHICH IS NOT INSTALLED IN TRENCH WITH PIPE.

4 IRRIGATION TRENCH N.T.S.

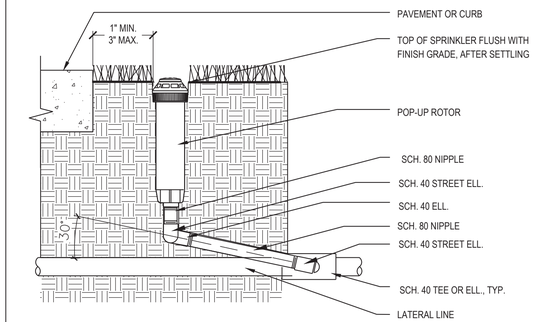
ALL WIRE CONNECTIONS SPLICED WITH DIRECT BURY SPLICE KIT (3M DBY/DBR-6) CONNECTORS.

PVC PIPE & FITTINGS UPSTREAM OF THE ISOLATION VALE TO BE THE SAME AS SIZE THE MAINLINE.

ISOLATION VALVE SAME SIZE AS REMOTE CONTROL VALVE.



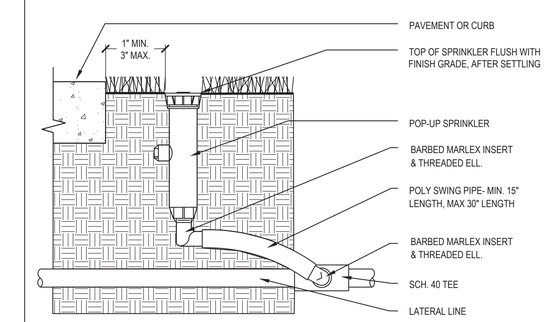
5 REMOTE CONTROL VALVE INSTALLATION N.T.S.



NOTES:
SWING JOINTS AS SHOWN ABOVE SHALL BE PROVIDED FOR ALL ROTARY HEADS THAT ARE DESIGNED TO PROVIDE 5 GPM OR GREATER. ALL OTHER IRRIGATION HEADS THAT HAVE VOLUMES BELOW 5 GPM SHALL UTILIZE FUNNY PIPE AS SHOWN WITHIN DETAIL #7 THIS SHEET

LOCATION OF ALL SPRINKLER HEADS SHALL BE SITE ADJUSTED TO MINIMIZE WATER OVERTHROW ONTO BUILDING SURFACES AND WALKWAYS. THROTTLE VALVES ON SPRAY ZONES AS REQUIRED TO PREVENT FOGGING. USE LOW TRAJECTORY NOZZLES WHENEVER POSSIBLE.

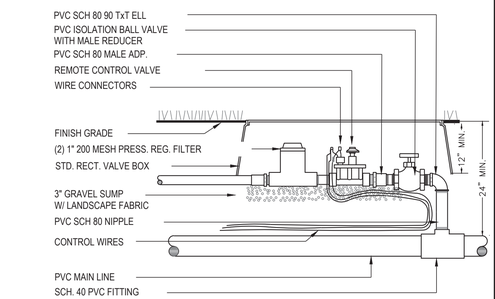
6 ROTARY POP-UP SPRINKLER N.T.S.



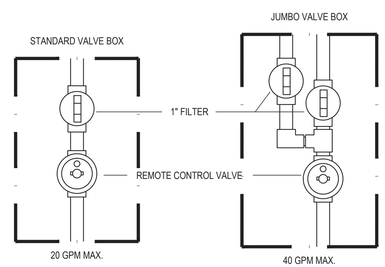
NOTE:

LOCATION OF ALL SPRINKLER HEADS SHALL BE SITE ADJUSTED TO MINIMIZE WATER OVERTHROW ONTO BUILDING SURFACES AND WALKWAYS. THROTTLE VALVES ON SPRAY ZONES AS REQUIRED TO PREVENT FOGGING. USE LOW TRAJECTORY NOZZLES WHENEVER POSSIBLE.

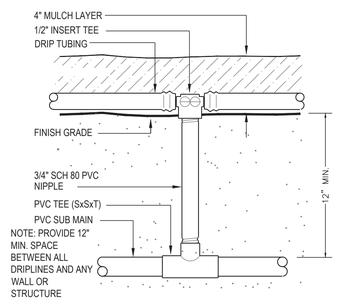
7 6" AND 12" POP-UP SPRINKLER HEAD N.T.S.



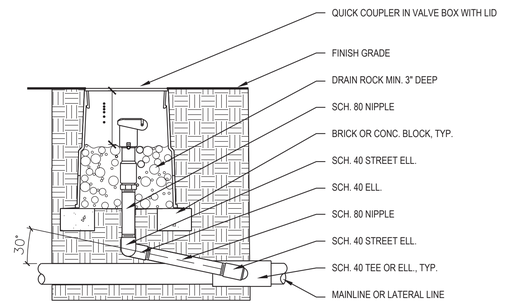
8 DRIP ZONE CONTROL VALVE N.T.S.



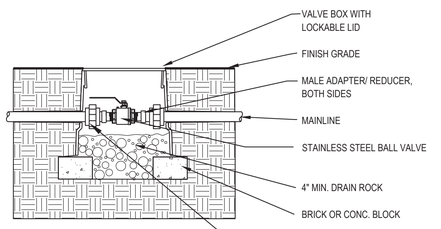
9 DRIP ZONE VALVE - PLAN VIEW N.T.S.



10 PVC-DRIP CONNECTION N.T.S.



11 QUICK COUPLER VALVE N.T.S.



12 BALL VALVE

CESO
WWW.CESOINC.COM

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Fast. It's Free. It's the Law.
www.callsunshine.com

Stantec

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

REGISTERED LANDSCAPE ARCHITECT
EDWARD ALLEN SCHNEIDER
LA 6666700
STATE OF FLORIDA

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
24400 FL-HWY 44
EUSTIS, FL

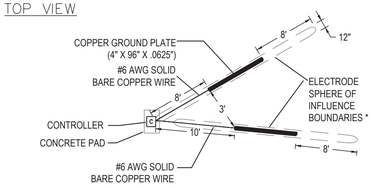
IRRIGATION DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 05/23/2025
REVISION
DATE:

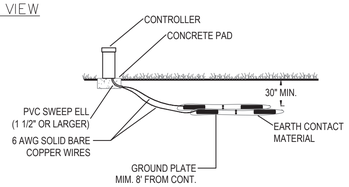
for the latest rev. go to http://www.asic.org/design_guides.htm

TOP VIEW



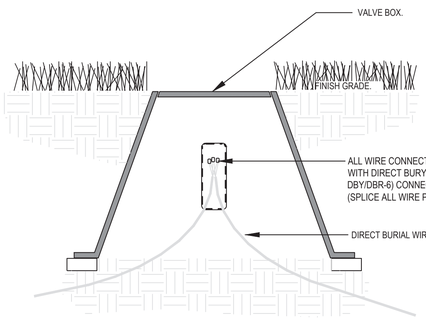
* DO NOT INSTALL ANY OTHER WIRES OR CABLE WITHIN THE SPHERE OF INFLUENCE

SIDE VIEW



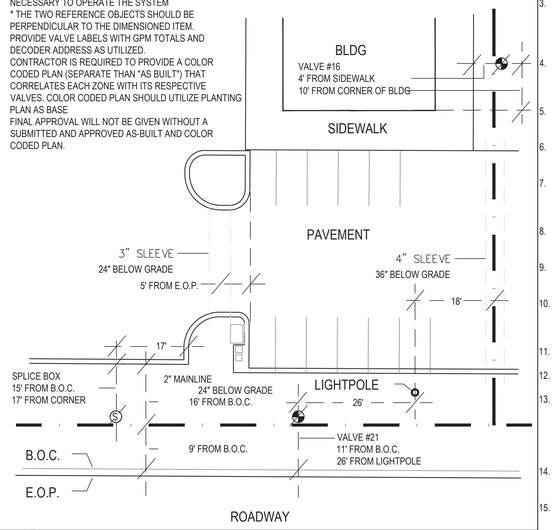
MINIMUM ACCEPTABLE RESISTANCE TO GROUND IS 25 OHMS.
USE ADDITIONAL GROUND PLATES OR GROUND RODS AS NEEDED.

13 CONTROLLER GROUNDING N.T.S.

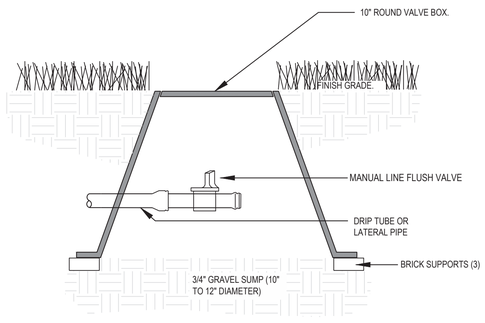


14 WIRE SPLICE N.T.S.

NOTES:
- •• PROVIDE DIMENSIONS FROM TWO PERMANENT FIXED OBJECTS* AND "DEPTH OF COVER" ON ALL MAINLINE AND SLEEVES.
- •• 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 DIMENSIONED ITEM.
- •• PROVIDE VALVE LABELS WITH GPM TOTALS AND DECODER ADDRESS AS UTILIZED.
- •• 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
- •• FINAL APPROVAL WILL NOT BE GIVEN WITHOUT A SUBMITTED AND APPROVED AS-BUILT AND COLOR CODED PLAN.



15 TYPICAL "AS BUILT"



16 MANUAL LINE FLUSHING VALVE N.T.S.

GENERAL NOTES: IRRIGATION PLAN

1. 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, WHICHEVER PRECEDES. CONTACT OWNER'S REPRESENTATIVE WITH ANY DISCREPANCIES.
2. IF REQUIRED, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE NECESSARY RIGHT-OF-WAY USE ENCROACHMENT PERMIT(S)
3. 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 72 HOURS PRIOR TO CONSTRUCTION.
4. 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
5. IRRIGATION CONTRACTOR TO REPORT ALL DAMAGES TO EXISTING CONDITIONS OR INCONSISTENCIES WITH PLANS TO LANDSCAPE ARCHITECT.
6. 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.
7. 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 SLEEVING.
8. 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.
9. PRIOR TO BACKFILLING TRENCHES CONTACT OWNER'S REPRESENTATIVE TO VERIFY WIRE PATH ROUTING, CONTROLLER WIRE AND SPLICING CONNECTIONS.
10. 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.
11. IRRIGATION CONTRACTOR SHALL COMPLY WITH PIPE SIZES AS INDICATED.
12. CONTRACTOR TO PROVIDE OWNER WITH KEYS AND HOSE SWIVELS FOR EACH QUICK COUPLER VALVE.
13. 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-BUILTS SHALL INCLUDE A MASTER VALVE/ZONE SCHEDULE INCLUDING SPECIFICATIONS FOR INSTALLED VALVES, ZONE TYPE AND GALLONS PER MINUTE. SEE SPECS FOR FURTHER INFORMATION.
14. 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.
15. 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.
16. CONTRACTOR TO INSTALL IRRIGATION CONTROL EQUIPMENT UNIT (CONTROL CABINET(S)) AT LOCATION SHOWN ON DRAWINGS. STAKE 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.
17. 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 LOCATION(S), 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.
18. AT EACH IRRIGATION CONTROLLER, INSTALL A "SECONDARY SURGE ARRESTER" TO THE INCOMING (120-VOLT) POWER SUPPLY (INTERMATIC #AG2401 OR EQUAL).
19. PROVIDE AND INSTALL CONDUIT SWEEPS 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.
20. 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.
21. ALL WIRE SPLICES OR CONNECTIONS SHALL BE MADE WITH APPROVED WATERPROOF WIRE CONNECTIONS AND BE IN A VALVE OR SPLICE BOX.
22. 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.
23. WHEREVER PRACTICAL, INSTALL VALVES IN MULCHED BEDS AND/OR OUT OF HIGH TRAFFIC AREAS. IF INSTALLED IN LAWN, INSTALL 36" 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, 12" STD. RECT. BOX
ISOLATION GATE VALVES	#VB-10RND, 10" ROUND BOX
WIRE SPLICES	#VB-10RND, 10" ROUND BOX
DRIP ZONE VALVE / FILTER ASSY	#VB-SPR, SUPER JUMBO RECT. BOX

24. LOCATE VALVE MANIFOLDS IN CLOSE PROXIMITY FOR EASE OF MAINTENANCE, BUT NOT CLOSER THAN 4'-0" BETWEEN VALVE BOXES.
25. 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 8" LONG WIRE TUBING STAKES. INSTALL FLUSH VALVE ASSEMBLIES AT ALL TUBING "DEAD ENDS".
28. SET AND UTILIZE CONTROLLER TO WATER NEW PLANTINGS FOR THE DURATION OF THE PROJECT UNTIL FINAL ACCEPTANCE.
29. 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.
30. IRRIGATION CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE IN ALL LANDSCAPE BEDS AND ALL LAWN AREAS.
31. THE INSTALLING CONTRACTOR MUST HOLD A CURRENT, VALID FLORIDA IRRIGATION CONTRACTOR'S LICENSE.
32. THE DESIGN IS BASED ON SITE INFORMATION AND /OR DRAWING SUPPLIED WITH THE DESIGN CRITERIA BEING SET (AREA TO BE IRRIGATED, EQUIPMENT MANUFACTURER 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.

AMERICAN SOCIETY OF IRRIGATION CONSULTANTS COPYRIGHT 2001

CESO
WWW.CESOINC.COM

811 KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG
It's Fast, It's Free. It's the Law.
www.callsunshine.com

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

REGISTERED LANDSCAPE ARCHITECT
RICHARD ALLEN BRADFORD
LA 6666780
STATE OF FLORIDA

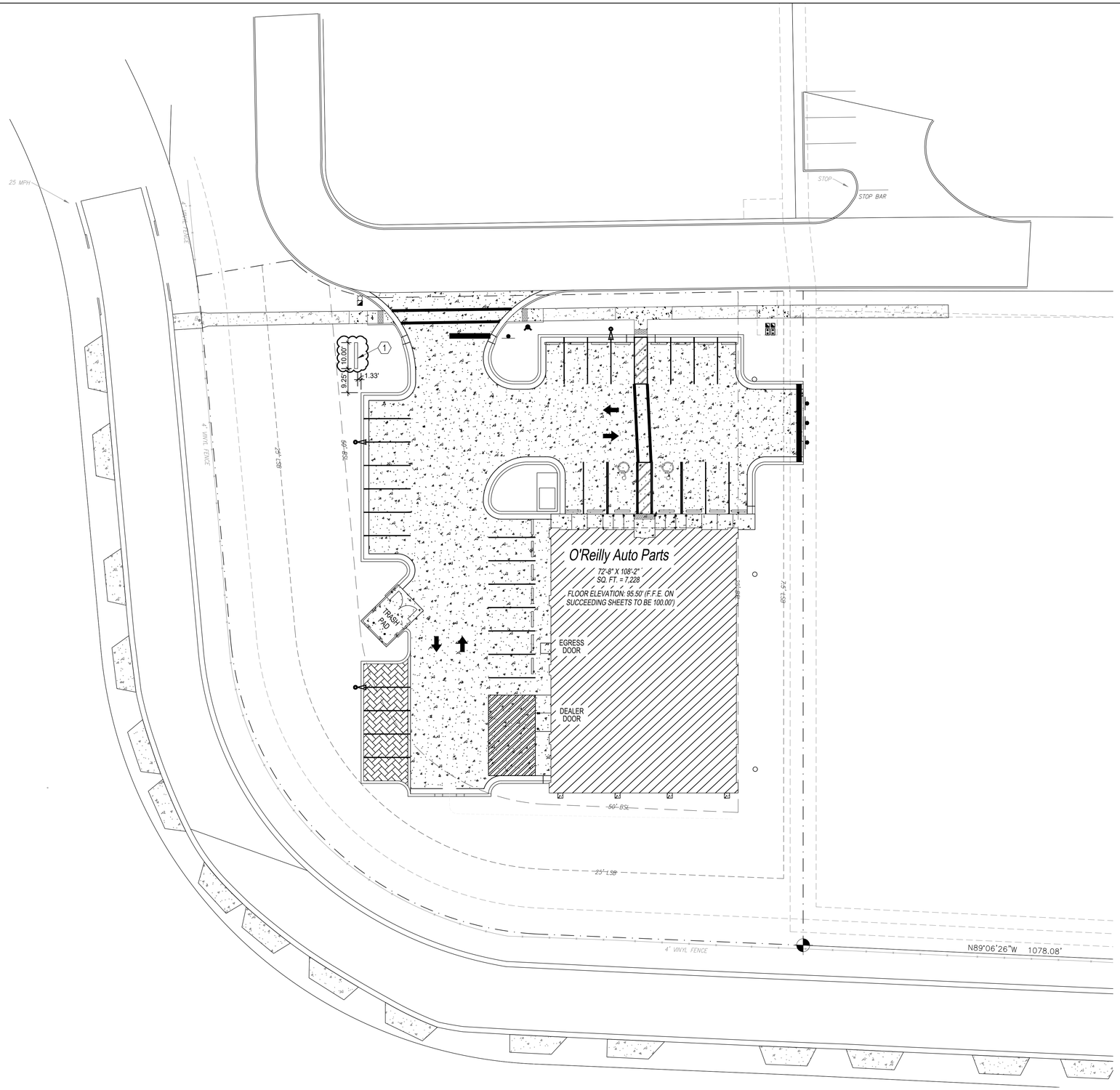
THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
24400 FL-HWY 44
EUSTIS, FL

IRRIGATION DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 05/23/2025
REVISION
DATE:



GENERAL NOTES

A. REFER TO PROJECT MANUAL AND SCOPE OF WORK SCHEDULE FOR ADDITIONAL REQUIREMENTS.

B. SITE DIMENSIONS TO FACE OF CONCRETE FOUNDATION, SIDEWALK, CURB GUTTER LINE, PROPERTY LINE, OR CENTER LINE OF STRIPING UNLESS OTHERWISE NOTED.

C. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.

D. PRIOR TO INSTALLATION, CONTRACTOR TO VERIFY LOCATIONS OF LIGHT POLES, LANDSCAPING, AND UTILITIES DO NOT CONFLICT WITH SITE SIGN LOCATION SHOWN. REFER TO SHEET US1 AND CIVIL DRAWINGS FOR UTILITY LOCATIONS. IF CONFLICT IS DISCOVERED, CONTRACTOR TO NOTIFY OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK.

E. "COMING SOON" TEMPORARY CONSTRUCTION SIGN TO BE PROVIDED BY CONTRACTOR. APPLIED SIGNAGE GRAPHICS TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED. LOCATE TEMPORARY CONSTRUCTION SIGN ON SITE SO AS TO BE VISIBLE TO PUBLIC FROM RIGHT-OF-WAY. REFER TO DETAIL 1/SG1.2.

SPECIAL NOTE:
AVOID OBSCURING VISIBILITY OF SITE SIGN FROM RIGHT OF WAY WITH LARGE PLANTINGS AND LANDSCAPING. SUBMIT LANDSCAPING LAYOUT FOR FINAL OWNER REVIEW AND APPROVAL PRIOR TO INSTALLATION.

KEY NOTES

1. SITE SIGN, REFER TO ELEVATION 2/SG1.2.

1 SITE SIGNAGE PLAN
SG1.1 SCALE: 1" = 20'-0"

N

CAUTION:
INFORMATION ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

811 Know what's below Call before you dig.

DESIGN BY OTHERS. FOR REFERENCE ONLY

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estelryschneider.com

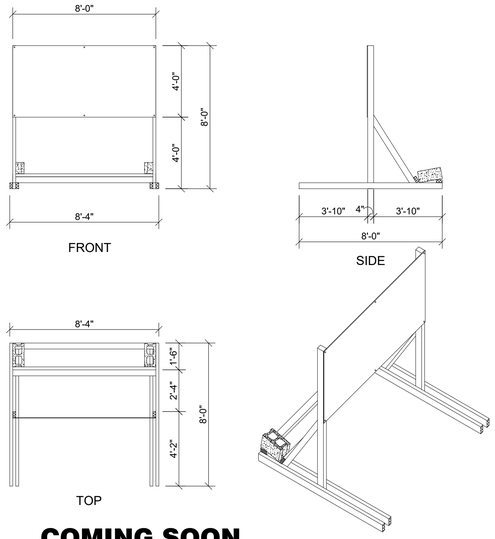
PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

SITE SIGNAGE PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4904
DATE:	1-27-26
REVISION DATE:	3-11-26

SG1.1



1 COMING SOON TEMPORARY CONSTRUCTION SIGN

SG1.2 SCALE: 1/4" = 1'-0"

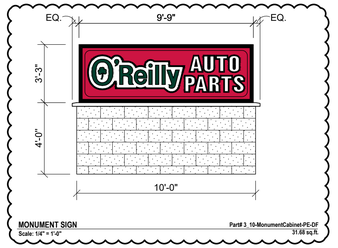
MONUMENT BASE:
CONCRETE MASONRY UNIT (CMU) CONSTRUCTION. REFER TO STRUCTURAL DRAWINGS FOR MORE DETAILS.

MFG: (REFER TO PROJECT MANUAL)
SIZE: 8"X8"X16" (NOM.)
TEXTURE: SPLIT FACE
COURSING: RUNNING BOND
FINISH: FIELD PAINT (FIELD COLOR)
COLOR: SHERWIN WILLIAMS "SHOJI WHITE" SW7042 (SATIN)
NOTE: REFER TO "CONCRETE MASONRY UNIT SPECIAL SCHEDULE OF TREATMENTS" FOR ADDITIONAL REQUIREMENTS.

CONCRETE MASONRY UNIT (CMU) EXTERIOR SURFACE COATINGS:
1. PRIMER: "LOXON" ACRYLIC BLOCK SURFACER "LX01W0200-LXN BLOCK SURF WHT" (NO LESS THAN 16 MILS). TWO COATS MAY BE REQUIRED TO ACHIEVE PINHOLE FREE SURFACE. (REFER TO EXTERIOR FINISH SCHEDULE).

2. COAT 1; "LOXON" SELF-CLEANING ACRYLIC COATING "LX13W0051-LXN SELF-CLEAN EW" (NO LESS THAN 6 MILS). (REFER TO EXTERIOR FINISH SCHEDULE).

3. COAT 2: "LOXON" SELF-CLEANING ACRYLIC COATING "LX13W0051-LXN SELF-CLEAN EW" (NO LESS THAN 6 MILS). (REFER TO EXTERIOR FINISH SCHEDULE).



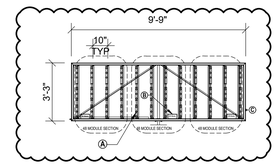
MONUMENT SIGN Part# 3_10-MonumentCabinet-PE-DF
Scale: 1/4" = 1'-0" 31.68 sq.ft.

Manufacture and supply one (1) new d/f illum. monument cabinet with formed and embossed faces.

Faces are formed out of .150 lexan with 2" draw. "O'Reilly" graphics are double embossed, "Auto Parts" copy is single embossed with painted graphics on 2nd surface. Graphics to match PMS 200c Red, PMS 342c Green, Black & White.

Extruded cabinet with 2 1/4" (removable) non-hinged retainers. Face slides for access. Internal steel sq. tube w/external steel bolt up plate(s) for C-150 load ratings.
Vertical Principal-Patriot Series (7100K) Module UL Part# PL-PT71-XL-P - White LED illumination.
Paint cabinet to: Gloss Black.

Cabinet to be installed w/bolt up plate(s).

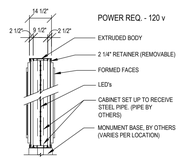


LED LAYOUT
Scale: 1/4" = 1'-0"

Ⓐ LED population: Principal-Patriot Series (7100K) Module UL Part# PL-PT71-XL-P - White LED illumination. Lumens per linear foot (160). Total population of 144 modules. Vertical LEDs on alum. stix @ 10" +/- centers.

Ⓑ Qty. of (4) Principal P-LED (P-OH096-24-HE) 24V DC power supplies. Mount to bottom rail.

Ⓒ U. L . approved disconnect switch.



SECTION VIEW
(NTS)

2 GROUND SIGN ELEVATION

SG1.2 SCALE: 1/4" = 1'-0"

GENERAL NOTES

Ⓐ REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.

Ⓑ CONTACT OWNER'S OR TENANT'S DESIGNATED PROJECT ADMINISTRATOR FOR QUESTIONS OR CLARIFICATIONS.

Ⓒ PERMANENT SIGNAGE OWNER FURNISHED AND INSTALLED, (REFER TO SCOPE OF WORK SCHEDULE). SIGNAGE GRAPHICS PROVIDED FOR REFERENCE ONLY (N.I.C.) AND CONTRACTOR'S COORDINATION WITH SPECIFIC PROJECT CONSTRUCTION CONDITIONS.

Ⓓ SITE SIGN ROUGH-IN ELECTRICAL TO BE PROVIDED BY CONTRACTOR.

Ⓔ REQUIRED GOVERNMENTAL PERMITS FOR PERMANENT TYPE SIGNAGE TO BE PROVIDED BY SIGN COMPANY PER OWNER'S DIRECTION (N.I.C.).

Ⓕ "COMING SOON" TEMPORARY CONSTRUCTION SIGN TO BE PROVIDED BY GENERAL CONTRACTOR. APPLIED SIGNAGE GRAPHICS TO BE OWNER FURNISHED AND GENERAL CONTRACTOR INSTALLED. LOCATE TEMPORARY CONSTRUCTION SIGN ON SITE SO AS TO BE VISIBLE TO PUBLIC FROM RIGHT-OF-WAY.

Ⓖ UNLESS OTHERWISE INDICATED, SITE POLE SIGN FOUNDATION CONSTRUCTION BY SIGN CONTRACTOR (BY OTHERS - NOT IN CONTRACT). WHERE PROVIDED, SITE MONUMENT SIGN FOUNDATION CONSTRUCTION BY GENERAL CONTRACTOR (BASE BID), REFER TO SHEET S1.2.

SPECIAL NOTE:
SIGN DESIGN BY OTHERS, REFER TO SIGN CONTRACTOR'S SHOP DRAWINGS FOR ADDITIONAL REQUIREMENTS.

DESIGN BY OTHERS. FOR REFERENCE ONLY

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@esterlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

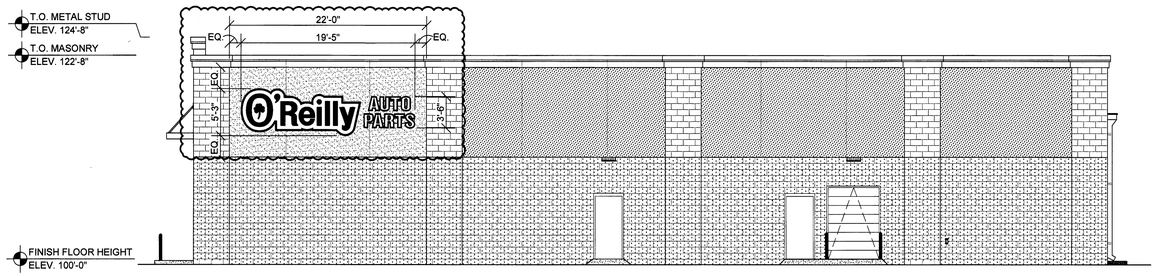
SITE SIGNAGE DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	1-22-26
REVISION DATE:	3-11-26

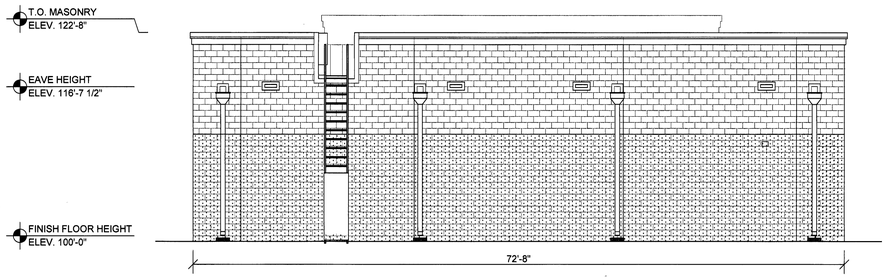
1 FRONT EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"



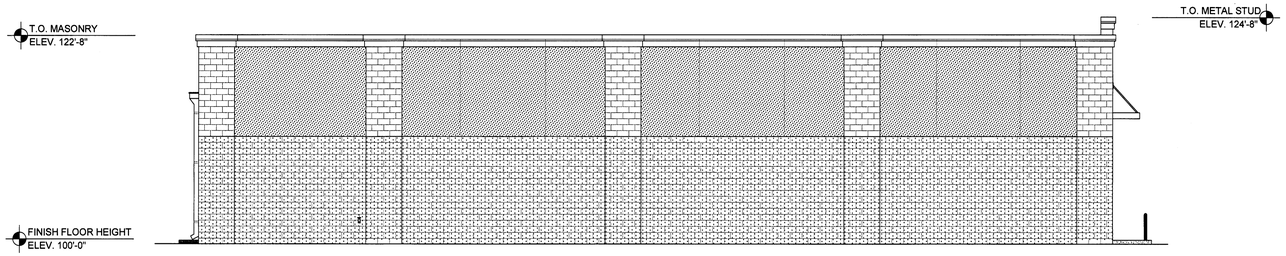
2 RIGHT EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"



3 REAR EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"



4 LEFT EXTERIOR ELEVATION

SG2.1 SCALE: 1/8" = 1'-0"

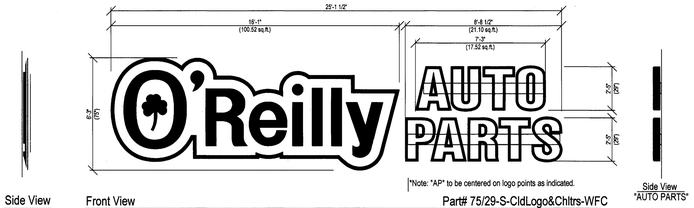
GENERAL NOTES

A. CONTACT OWNER'S OR TENANT'S DESIGNATED PROJECT ADMINISTRATOR FOR QUESTIONS OR CLARIFICATIONS.

B. BUILDING PERMANENT SIGNAGE OWNER FURNISHED AND INSTALLED, (REFER TO SCOPE OF WORK SCHEDULE). SIGNAGE GRAPHICS PROVIDED FOR REFERENCE ONLY (N.I.C.) AND CONTRACTOR'S COORDINATION WITH SPECIFIC PROJECT CONSTRUCTION CONDITIONS. CONTRACTOR TO PROVIDE BACKING AND ROUGH-IN ELECTRICAL AS REQUIRED FOR INSTALLATION. REFER TO A2.1 FOR EXTERIOR BUILDING FINISH.

C. REQUIRED GOVERNMENTAL PERMITS FOR PERMANENT TYPE SIGNAGE TO BE PROVIDED BY OWNER OR OTHERS (N.I.C.).

D. "COMING SOON" TEMPORARY CONSTRUCTION SIGN TO BE PROVIDED BY GENERAL CONTRACTOR. APPLIED SIGNAGE GRAPHICS TO BE OWNER FURNISHED AND GENERAL CONTRACTOR INSTALLED. LOCATE TEMPORARY CONSTRUCTION SIGN ON SITE SO AS TO BE VISIBLE TO PUBLIC FROM RIGHT-OF-WAY.

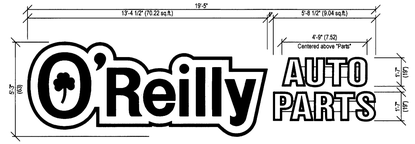


Front View — Part# 75/29-S-CldLogo&Chltrs-WFC
Scale 1/4 " = 1'-0" 139.14 sq. ft. (Combined Individual Components) 161.84 sq. ft. (Encompassed Rectangle)

Front View — Part# 75/29-S-CldLogo&Chltrs-WFC
Scale 1/4 " = 1'-0" 139.14 sq. ft. (Combined Individual Components) 157.03 (Encompassed Rectangle)

5 FRONT WALL SIGN DETAIL

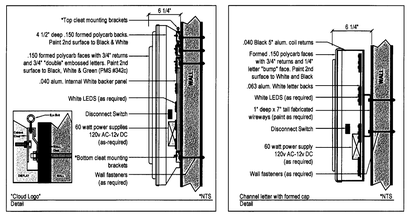
SG2.1 SCALE: 1/4" = 1'-0"



Front View — Part# 63/19-S-CldLogo&Chltrs-WFC
Scale 1/4 " = 1'-0" 86.78 sq. ft. (Combined Individual Components) 101.94 (Encompassed Rectangle)

6 RIGHT WALL SIGN DETAIL

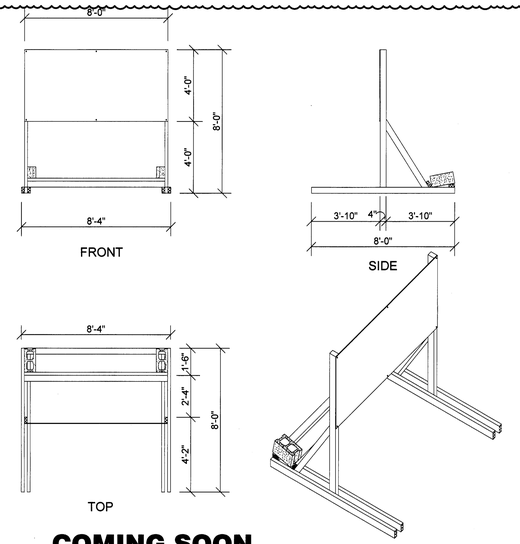
SG2.1 SCALE: 1/4" = 1'-0"



Formed Cloud Logo with "AP" Formed Caps & Channel Returns

7 FRONT & RIGHT WALL SIGN DETAIL

SG2.1 SCALE: 1/4" = 1'-0"



8 COMING SOON TEMPORARY CONSTRUCTION SIGN

SG2.1 SCALE: 1/4" = 1'-0"

DESIGN BY OTHERS. FOR REFERENCE ONLY

THOMAS A. LUNDBERG
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.9558
Fax: 417.862.3265
e-mail: architect@estreetschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

BUILDING EXTERIOR SIGNAGE

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	5-23-25
REVISION DATE:	12-17-25

SG2.1

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:

SOURCEONE SOLUTIONS
4341 GREEN ASH DRIVE
EARTH CITY, MO 63045

SOURCEONE SOLUTIONS O'REILLY TEAM
EMAIL: ncoreilly@sourceonesolutions.com
PHONE: 314-499-6400

MARK	MFR.	CATALOG NUMBER	SUPPLY VOLTAGE	FINISH	MOUNTING: SURFACE WALL	MOUNTING: SURF. CEILING	MOUNTING: OTHER	LAMPS: TYPE: FLOURESCENT	LAMPS: TYPE: LED	LAMPS: TYPE: OTHER	LAMPS: QUANTITY	WATTAGE	NOTES	FIXTURE QUANTITY
LED EXTERIOR LIGHTS														
WS1	LSI	XWM-FT-LED-06L-50-UE-BRZ NO SUBSTITUTIONS	120	DARK BRONZE	X				X		1	45	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	3
WSP	LSI	XWM-FT-LED-06L-50-UE-BRZ-PCI120 NO SUBSTITUTIONS	120	DARK BRONZE	X				X		1	45	FULL CUT-OFF, BUG RATING B1-U0-G1. ARCHITECTURAL ELEVATIONS SHOW DIMENSIONED LOCATIONS.	1
LED POLE LIGHTS														
P1	LSI	MRM-LED-18L-SIL-FT-UNV-DIM-50-70CRI-BRZ-IL	120	DARK BRONZE			X		X		1	135	25' POLE LENGTH, ADVANCE BALLASTS, FULL CUT-OFF, NO SUBSTITUTIONS. ANCHOR BOLTS W/HARDWARE & TEMPLATE. WITH INTERNAL LOUVER HOUSE SIDE SHIELD, BUG RATING B2-U0-G3	3
	LSI	5SQB3-S11G-25-S-BRZ-LAB-5BC												
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	Distribution	CRI	2700K Delivered Lumens	2700K Efficacy	2700K BUG Rating	3000K Delivered Lumens	3000K Efficacy	3000K BUG Rating	4000K Delivered Lumens	4000K Efficacy	4000K BUG Rating	5000K Delivered Lumens	5000K Efficacy	5000K BUG Rating	Wattage
03L	2	70	2703	120	B1-U0-G1	2822	125	B1-U0-G1	3088	137	B1-U0-G1	3088	137	B1-U0-G1	22.6
	3	70	2752	122	B1-U0-G1	2873	127	B1-U0-G1	3144	139	B1-U0-G1	3144	139	B1-U0-G1	
	FT	70	2718	120	B1-U0-G1	2838	126	B1-U0-G1	3105	137	B1-U0-G1	3105	137	B1-U0-G1	
04L	2	70	3646	120	B1-U0-G1	3702	125	B1-U0-G1	4051	137	B1-U0-G1	4051	137	B1-U0-G1	29.5
	3	70	3610	122	B1-U0-G1	3769	128	B1-U0-G1	4124	140	B1-U0-G1	4124	140	B1-U0-G1	
	FT	70	3565	121	B1-U0-G1	3722	126	B1-U0-G1	4073	138	B1-U0-G1	4073	138	B1-U0-G1	
06L	2	70	5274	118	B2-U0-G2	5506	123	B2-U0-G2	6025	135	B2-U0-G2	6025	135	B2-U0-G2	44.7
	3	70	5359	120	B1-U0-G1	5606	125	B1-U0-G1	6134	137	B1-U0-G2	6134	137	B1-U0-G2	
	FT	70	5303	119	B1-U0-G2	5536	124	B1-U0-G2	6058	136	B1-U0-G2	6058	136	B1-U0-G2	
08L	2	70	6996	113	B2-U0-G2	7304	118	B2-U0-G2	7993	129	B2-U0-G2	7993	129	B2-U0-G2	62.0
	3	70	7123	115	B1-U0-G2	7437	120	B1-U0-G2	8138	131	B2-U0-G2	8138	131	B2-U0-G2	
	FT	70	7035	113	B1-U0-G2	7345	118	B2-U0-G2	8037	130	B2-U0-G2	8037	130	B2-U0-G2	
12L	2	70	10516	103	B2-U0-G2	10979	107	B2-U0-G3	12014	118	B3-U0-G3	12014	118	B3-U0-G3	102.2
	3	70	10707	105	B2-U0-G2	11178	109	B2-U0-G2	12232	120	B2-U0-G2	12232	120	B2-U0-G2	
	FT	70	10574	103	B2-U0-G3	11040	108	B2-U0-G3	12080	118	B2-U0-G3	12080	118	B2-U0-G3	

AUTOMATIC LIGHTING CONTROL

COMPLIANCE WITH ENERGY CODE IS ACHIEVED BY:

1. 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.

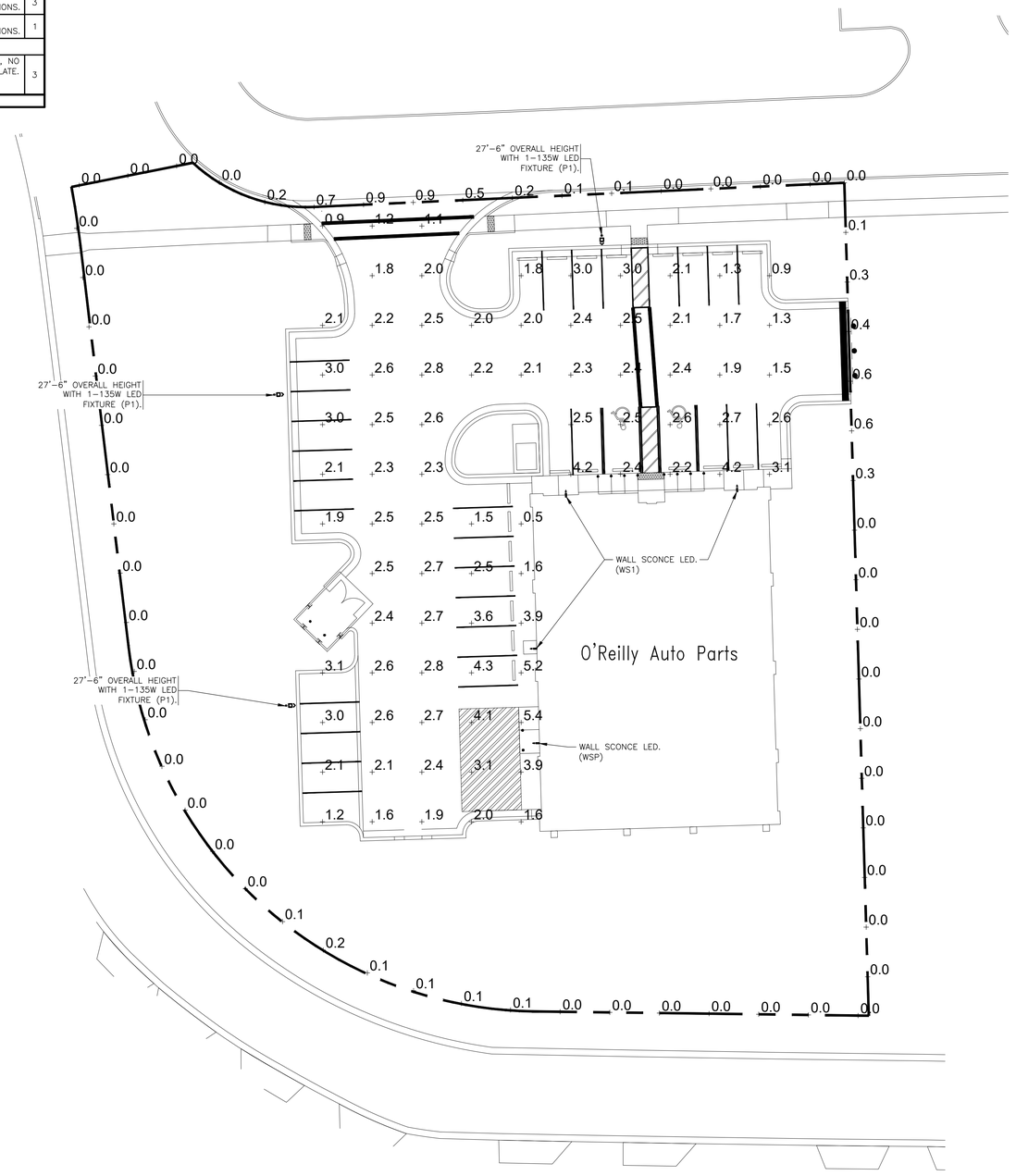
   EXTERIOR SIGN LIGHTS WILL TURN ON WHEN ITS DARK ENOUGH OUTSIDE ANYTIME DURING STORE HOURS, AND WILL TURN OFF AT STORE CLOSING.

   EXTERIOR SITE LIGHTS WILL TURN ON WHEN IT IS DARK ENOUGH OUTSIDE AND IT IS WITHIN STORE HOURS OR 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.)

2. RESTROOMS AND OFFICES: ALL LIGHTING IN THESE AREAS ARE CONTROLLED BY OCCUPANT-SENSING DEVICES.



SITE LIGHTING PHOTOMETRICS

SCALE: 1"=20'

N

ABBY L. THURMAN
LICENSED
No. 86329
STATE OF FLORIDA
PROFESSIONAL ENGINEER
01/07/26

ABBY L. THURMAN
FL Lic #86329
Firm Lic #27905

DRAWN BY: LT

01-07-26

SITE BASE UPDATE. NO CHANGE TO MEP SYSTEM.

SMITH-GOTH ENGINEERS, INC.
3855 S. JEFFERSON AVE. P: 417-882-2200
SPRINGFIELD, MO 65807 F: 417-882-1188
WWW.SMITHGOTH.COM

Thomas A. Lundberg
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estertyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

SITE LIGHTING PHOTOMETRICS

O'Reilly AUTO PARTS

CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	5-23-25
REVISION DATE:	01-07-26

SP1 of 3

© COPYRIGHT 2026 - 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.

Catalog #: Project:

Prepared By: Date: Type:

Mirada Medium (MRM)

Outdoor LED Area Light

IP66 IK08

OVERVIEW	
Lumen Package	7,000 - 48,000
Wattage Range	48 - 401
Efficacy Range (LPW)	117 - 160
Weight lbs(kg)	30 (13.6)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Designed to mount to square or round poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Shipping weight: 37 lbs in carton.

Optical System

- State-of-the-Art one piece silicone optic sheet delivers industry leading optical control with an integrated gasket to provide IP66 rated sealed optical chamber in 1 component.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in IES Types 2, 3, SW, FT, FTA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.
- Integral Air (IL) and house-side shield (IH) options available for improved backlight control without sacrificing street side performance. See page 3 for more details.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on Page 5)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed.

Controls

- Optional integral passive infrared Bluetooth™ motion and photocell sensor (see page 9 for more details). Fixtures operate independently and can be commissioned via iOS or Android configuration app
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7. (see page 9 for more details).

Installation

- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional 3" drill pattern B3 for easy fastening of LSI products. (See drawing on page 9)

Warranty

- LSI LED Fixtures carry a 5-year warranty.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP66 rated Luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Patented Silicone Optics (US Patent NO. 10,816,165 B2)
- IK08 rated luminaire per IEC 66262 mechanical impact code

Specifications and dimensions subject to change without notice.

Type:

Mirada Medium Outdoor LED Area Light

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **MRM LED 36L SIL FTA UNV DIM 50 70CRI ALSCS04 BRZ IL**

Luminaire Prefix	Light Source	Lumen Package	Light Output	Distribution	Orientation[1]	Voltage	Driver
MRM - Mirada	**LED**	**7L** - 7,000 lms **9L** - 9,000 lms **12L** - 12,000 lms **18L** - 18,000 lms **24L** - 24,000 lms **30L** - 30,000 lms **36L** - 36,000 lms **42L** - 42,000 lms **48L** - 48,000 lms **Custom Lumen Packages[2]**	**SIL** - Silicone	**2** - Type 2 **3** - Type 3 **SW** - Type 5 Wide **FT** - Forward Throw **FTA** - Forward Throw - Automotive **AM** - Automotive Merchandise	**(Blank)** - standard **L**- Optics rotated left 90° **R** - Optics rotated right 90°	**UNV** - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)	**DIM** - 0-10V Dimming (5-10%)

Color Temp	Color Rendering	Finish	Options
50 - 5,000 CCT **40** - 4,000 CCT **30** - 3,000 CCT **AMB** - Phosphor Converted Amber[4]	**70CRI** - 70 CRI	**BLK** - Black **BRZ** - Dark Bronze **GMG** - Gun Metal Gray **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green **WHT** - White	**(Blank)** - None **IH** - Integral Houseside Shield[5] **IL** - Integral Louver (Sharp Split Light Cutoff)[5]

Controls (Choose One)

(Blank) - None

Wireless Controls System
ALSC - AirLink Synapse Control System
ALSCH - AirLink Synapse Control System Host / Satellite [3]
ALSCS02 - AirLink Synapse Control System with 12-20' Motion Sensor
ALSCHS02 - AirLink Synapse Control System Host / Satellite with 12-20' Motion Sensor [3]
ALSCS04 - AirLink Synapse Control System with 25-40' Motion Sensor
ALSCHS04 - AirLink Synapse Control System Host / Satellite with 25-40' Motion Sensor [3]
ALSCS1 - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' mounting height)
ALSCS2 - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' mounting height)

Stand-Alone Controls
LXI - 0-10v Dimming leads extended to housing exterior
CRYP - 7 Pin Control Receptacle ANSI C136.41 [3]
IMSBT1- Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)[3]
IMSBT2- Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)[3]

Button Type Photocells
PC120 - 120V
PC208-277 - 208 - 277V
PC347 - 347V

Lutron Limelight Controls
LLC – Limelight Integral Wireless Radio Control by Lutron®
LLCS1 – Limelight Integral Wireless Radio Control and PIR Motion/ Daylight Sensor by Lutron 8-15' mt height®
LLCS2 – Limelight Integral Wireless Radio Control and PIR Motion/ Daylight Sensor by Lutron 16-20' mt height®
LLCS3 – Limelight Integral Wireless Radio Control and PIR Motion/ Daylight Sensor by Lutron 21-40' mt height®

Accessory Ordering Information[7]

Controls Accessories	
Description	**Order Number[8]**
PC120 Photocell for use with CRYP option (120NV)[9]	1325114
PC208-277 Photocell for use with CRYP option (208V, 240V, 277V)[9]	1325115
Twist Lock Photocell (347V) for use with CRYP [9]	1325116
Twist Lock Photocell (480V) for use with CRYP [9]	1325180
AirLink 5 Pin Twist Lock Controller [9]	6614109
AirLink 7 Pin Twist Lock Controller [9]	6614110
PMO324-24V Pole-Mounted Occupancy Sensor (24V)	6652184GLR
Shorting Cap for use with CRYP	1490218

Fusing Options[10]	
Description	**Order Number**
Single Fusing (120V)	See Fusing Accessory Guide
Single Fusing (277V)	
Double Fusing (208V, 240V)	
Double Fusing (480V)	
Double Fusing (347V)	

Mounting Accessories[6]	
Description	**Order Number[8]**
Universal Mounting Bracket	6846160LR
Adjustable Slip Fitter (2" - 2 3/8" Tenon)	6881360LR
Horizontal Slip Fitter (2" - 2 3/8" Tenon)	6629410LR
Quick Mount Pole Bracket (Square Pole)	6810126LR
Quick Mount Pole Bracket (4-9' Round Pole)	6899003LR
13-18 Quick Mount Pole Bracket (Square Pole)	6889003LR
15 Tilt Quick Mount Pole Bracket (4-9' Round Pole)	6899004LR
Wall Mount Bracket	3821320LR
Wood Pole Bracket 6" Minimum Pole Diameter	2572190LR

Miscellaneous Accessories	
Description	**Order Number**
Universal Louver/Shield	6901981
Integral House Side Shield	7434115
10' Linear Bird Spike Kit (3' Recommended per Luminaire)	7516322

FOOTNOTES:

1. Custom lumen and wattage packages available, consult factory. Values are within industry standard tolerances but not DLC listed.
2. Only available in 6L Lumen Package. Consult factory for lead time and availability.
3. IMSBT and ALSCS control options are not available in 3L or 4L lumen packages when high voltage (HV) is specified.
4. IMSBT is field configurable via the Leviton app that can be downloaded from your smartphone's app store.
5. Not available in HV.
6. Accessories are shipped separately and field installed.
7. Fixtures are shipped separately and field installed.
8. Factory installed CR/TP option required. See Options.
9. "CLR" denotes finish. See Finish options.
10. Only available with ALSC/ALSCH control options.
11. Fusing must be located in hand hole of pole. See Fusing Accessory Guide for compatability.
12. Only available in 9L and 12L Lumen Packages. Consult factory for lead time and availability.

Type:

Mirada Medium Outdoor LED Area Light

PERFORMANCE

Back to Quick Links

Delivered Lumens*											
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
7L	2	70	7560	157	B2-U0-G2	7560	157	B2-U0-G2	7560	157	B2-U0-G2	48
	3		7616	159	B1-U0-G2	7616	159	B1-U0-G2	7616	159	B1-U0-G2	
	SW		7292	152	B3-U0-G1	7292	152	B3-U0-G1	7292	152	B3-U0-G1	
	FT		7562	158	B2-U0-G2	7562	158	B2-U0-G2	7562	156	B2-U0-G2	
	FTA		7595	158	B2-U0-G2	7595	158	B2-U0-G2	7595	158	B2-U0-G2	
	AM		7687	160	B1-U0-G1	7687	160	B1-U0-G1	7687	160	B1-U0-G1	
9L	2	70	9853	159	B2-U0-G2	9853	159	B2-U0-G2	9853	159	B2-U0-G2	82
	3		9926	160	B2-U0-G2	9926	160	B2-U0-G2	9926	160	B2-U0-G2	
	SW		9504	153	B3-U0-G2	9504	153	B3-U0-G2	9504	153	B3-U0-G2	
	FT		9856	159	B2-U0-G3	9856	159	B2-U0-G3	9856	159	B2-U0-G3	
	FTA		9900	160	B2-U0-G2	9900	160	B2-U0-G2	9900	160	B2-U0-G2	
	AM		10019	162	B2-U0-G1	10019	162	B2-U0-G1	10019	162	B2-U0-G1	
12L	2	70	13135	155	B3-U0-G2	13135	155	B3-U0-G2	13135	155	B3-U0-G2	85
	3		13232	156	B2-U0-G2	13232	156	B2-U0-G2	13232	156	B2-U0-G2	
	SW		12669	149	B4-U0-G2	12669	149	B4-U0-G2	12669	149	B4-U0-G2	
	FT		13138	155	B2-U0-G3	13138	155	B2-U0-G3	13138	155	B2-U0-G3	
	FTA		13196	155	B2-U0-G2	13196	155	B2-U0-G2	13196	155	B2-U0-G2	
	AM		13355	157	B2-U0-G2	13355	157	B2-U0-G2	13355	157	B2-U0-G2	
18L	2	70	19318	143	B3-U0-G3	19318	143	B3-U0-G3	19318	143	B3-U0-G3	135
	3		19461	144	B3-U0-G3	19461	144	B3-U0-G3	19461	144	B3-U0-G3	
	SW		18633	138	B4-U0-G2	18633	138	B4-U0-G2	18633	138	B4-U0-G2	
	FT		19324	143	B3-U0-G3	19324	143	B3-U0-G3	19324	143	B3-U0-G3	
	FTA		19408	144	B3-U0-G3	19408	144	B3-U0-G3	19408	144	B3-U0-G3	
	AM		19641	145	B3-U0-G2	19641	145	B3-U0-G2	19641	145	B3-U0-G2	
24L	2	70	25957	147	B4-U0-G3	25957	147	B4-U0-G3	25957	147	B4-U0-G3	176
	3		26149	149	B3-U0-G4	26149	149	B3-U0-G4	26149	149	B3-U0-G4	
	SW		25037	142	B5-U0-G3	25037	142	B5-U0-G3	25037	142	B5-U0-G3	
	FT		25964	148	B3-U0-G4	25964	148	B3-U0-G4	25964	148	B3-U0-G4	
	FTA		26077	148	B3-U0-G3	26077	148	B3-U0-G3	26077	148	B3-U0-G3	
	AM		26393	150	B3-U0-G2	26393	150	B3-U0-G2	26393	150	B3-U0-G2	
30L	2	70	32417	140	B4-U0-G3	32417	140	B4-U0-G3	32417	140	B4-U0-G3	232
	3		32456	141	B3-U0-G4	32456	141	B3-U0-G4	32456	141	B3-U0-G4	
	SW		31267	135	B5-U0-G3	31267	135	B5-U0-G3	31267	135	B5-U0-G3	
	FT		32424	140	B3-U0-G4	32424	140	B3-U0-G4	32424	140	B3-U0-G4	
	FTA		32568	140	B4-U0-G3	32568	140	B4-U0-G3	32568	140	B4-U0-G3	
	AM		32960	142	B3-U0-G3	32960	142	B3-U0-G3	32960	142	B3-U0-G3	
36L	2	70	38275	133	B4-U0-G4	38275	133	B4-U0-G4	38275	133	B4-U0-G4	288
	3		38557	134	B4-U0-G5	38557	134	B4-U0-G5	38557	134	B4-U0-G5	
	SW		36917	128	B5-U0-G4	36917	128	B5-U0-G4	36917	128	B5-U0-G4	
	FT		38283	133	B4-U0-G5	38283	133	B4-U0-G5	38283	133	B4-U0-G5	
	FTA		38450	134	B4-U0-G4	38450	134	B4-U0-G4	38450	134	B4-U0-G4	
	AM		38916	135	B3-U0-G3	38916	135	B3-U0-G3	38916	135	B3-U0-G3	

Catalog # : Project : Type :

Prepared By : Date :

Mirada Medium Wall Sconce (XWM)

Outdoor Wall Sconce

IP65 IK08

OVERVIEW	
Lumen Package	3,000 - 21,000
Wattage Range	23 - 175
Efficacy Range (LPW)	125 - 158
Weight lbs(kg)	27 (12.2)
Control Options	IMSBT, ALB, ALS, PCI

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Hinged die-cast aluminum wiring access door located underneath.
- Galvanized-steel universal wall mount bracket comes standard with hinging mechanism to easily access the junction box wire connections without removing the luminaire.
- Optional pole-mounting bracket (XPMA) permits mounting to standard poles.
- Fixtures are finished with LSI's DuraGrip® polyester powder coat finishing process. The DuraGrip finish withstands extreme weather changes without cracking or peeling. Other standard LSI finishes available. Consult factory.
- Max shipping weight: 30lbs in carton

Optical System

- State-of-the-Art one piece silicone optic provides industry leading optical control while also acting as an integrated gasket reducing system complexity and improving fixture reliability.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in Types 2, 3, 4, and FT distributions.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93-95%.
- Zero uplight.
- Available in 5000K, 4000K and 3000K color temperatures per ANSI C78.377. Also Available in Phosphor Converted Amber with Peak intensity at 610nm.
- Minimum CRI of 70.

Electrical

- High-performance programmable driver features over-voltage, under-voltage, short-circuit and over temperature protection. Custom lumen and wattage packages available.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 Vac) Input 50/60 Hz or optional High Voltage (347-480 Vac).
- L80 Calculated Life: >100k Hours
- Total harmonic distortion (THD): <20%
- 3L to 12L operating temperature: -40°C to +50°C (-40°F to +122°F)
- 15L operating temperature: -40°C to +45°C (-40°F to +113°F).
- 18L operating temperature: -40°C to +40°C (-40°F to +104°F).
- 21L operating temperature: -40°C to +35°C (-40°F to +95°F).
- Power factor (PF): >.90
- Input power stays constant over life.
- Optional 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Components are fully encased in potting material for moisture resistance. Driver complies with FCC standards. Driver and key electronic components can easily be accessed via hinged door.
- Optional integral emergency battery pack provides 90-minutes of constant power to the LED system, ensuring code compliance. A test switch/indicator button is installed on the housing for ease of maintenance. The fixture delivers 1500 lumens during emergency mode.

Controls

- Integral passive infrared Bluetooth™ motion sensor options. Fixtures operate independently and can be commissioned via an iOS or Android configuration app. Updates and modifications to the control strategy are easily implemented via an intuitive app.
- LSI's AirLink™ Blue lighting control system is a simple feature rich wireless Bluetooth mesh network. The integrated fixture sensor module provides wireless control of grouped fixtures based on motion sensors, daylight or a fully customizable schedule.

Installation

- Universal wall mounting plate easily mounts directly to 4" octagonal or square junction box.
- 2 fasteners secure the hinged door underneath the housing and provide quick & easy access to the electrical compartment for installing/servicing.
- Optional terminal block accepts up to 12 ga wire.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to https://www.lsicorp.com/resources/terms-conditions-warranty/ for more information.
- 1 Year warranty on Battery Back-up option.

Listings

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K or lower color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet Locations.
- IP65 rated luminaire per IEC 60598.
- 3G rated for ANSI C136.31 high vibration applications when pole mounted (using optional XPMA bracket) or wall mounted.
- IK08 rated luminaire per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Mirada Medium Wall Sconce (XWM) Outdoor Wall Sconce

Type :

Have questions? Call us at (800) 436-7800

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **XWM 2 LED 03L 30 UE BRZ ALSC**

Family	Distribution	Light Source	Lumen Package	Color Temperature
XWM - Mirada Medium Wall Sconce	**2** - Type 2 **3** - Type 3 **4** - Type 4 **FT** - Type 4 Forward Throw	**LED**	**3L** - 3,000 **4L** - 4,000 **6L** - 6,000 **8L** - 8,000 **12L** - 12,000 **15L** - 15,000 **18L** - 18,000 **21L** - 21,000 **Custom Lumen Packages[1]**	**30** - 3000K **40** - 4000K **50** - 5000K **AMB** - Phosphor Converted Amber[2]

Voltage	Finish	Controls	Options
UE - Universal Voltage (120-277V) **HV** - High Voltage (347-480V)	**BLK** - Black **BRZ** - Dark Bronze **GMG** - Gun Metal Gray **GPT** - Graphite **MSV** - Metallic Silver **PLP** - Platinum Plus **SVG** - Satin Verde Green **WHT** - White	**Blank** - None **Wireless Controls** **ALSC** - Aartina Synapse Control System **ALSCS01** - AirLink Synapse Control System with 8-12' Motion Sensor **ALSCS02** - AirLink Synapse Control System with 12-20' Motion Sensor **ALBCS1** - AirLink Blue Wireless Motion & Photo Sensor Controller (8-24' MH)[3] **ALBCS2** - AirLink Blue Wireless Motion & Photo Sensor Controller (25-40' MH)[3] **Standalone Controls** **DIM** - 0-10v Dimming leads extended to housing exterior **IMSBT1** - Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)[3,4] **IMSBT2** - Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)[3,4] **Button Type Photocells** **PC120** - 120V **PC208-277** - 208 - 277V **PC347** - 347V	**Blank** - None **BB** - Battery Back-up (0°C)[5] **CWBB** - Cold Weather Battery Backup (-20°C)[5] **XPMA** - Pole Mounting Bracket **SPI** - 10kV Surge Protection **TB** - Terminal Block

Need more Information? Click here for our glossary

Have additional questions? Call us at (800) 436-7800

FUSING ACCESSORY ORDERING INFORMATION[6]

Part Number	Description
FK120[7]	FK120 - Single Fusing
FK277[7]	FK277 - Single Fusing
FK547[7]	FK547 - Single Fusing
DFK208[8]	DFK - Double Fusing
DFK240[8]	DFK - Double Fusing (240V)
DFK480[8]	DFK - Double Fusing (480V)

MOUNTING ACCESSORY ORDERING INFORMATION[6]

Part Number[6]	Description
8095741LR	XWM Wet Location Surface Conduit/Wiring Box
7516322	10' Linear Bird Spike Kit (3' Recommended per Luminaire)

1. Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not DLC listed.
2. Only available in 6L Lumen Package. Consult factory for lead time and availability.
3. IMSBT and ALBCS control options are not available in 3L or 4L lumen packages when high voltage (HV) is specified.
4. IMSBT is field configurable via the Leviton app that can be downloaded from your smartphone's app store.
5. Not available in HV.
6. Accessories are shipped separately and field installed.
7. Fixtures may be located in a hand hole for pole or in the junction box.
8. "CLR" to be replaced by paint finish selection. See finish options for paint color selections.

Type:

Mirada Medium Outdoor LED Area Light

PERFORMANCE (CONT.)

Delivered Lumens*											
Lumen Package	Distribution	CRI	3000K CCT			4000K CCT			5000K CCT			Wattage
			Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
42L	2	70	44118	125	B3-U0-G4	44118	125	B3-U0-G4	44118	125	B3-U0-G4	354
	3		44444	126	B4-U0-G5	44444	126	B4-U0-G5	44444	126	B4-U0-G5	
	SW		42555	120	B5-U0-G4	42555	120	B5-U0-G4	42555	120	B5-U0-G4	
	FT		44130	125	B4-U0-G5	44130	125	B4-U0-G5	44130	125	B4-U0-G5	
	FTA		44322	125	B4-U0-G4	44322	125	B4-U0-G4	44322	125	B4-U0-G4	
	AM		44859	127	B4-U0-G3	44859	127	B4-U0-G3	44859	127	B4-U0-G3	
48L	2	70	48795	122	B5-U0-G4	48795	122	B5-U0-G4	48795	122	B5-U0-G4	401
	3		49156	123	B4-U0-G5	49156	123	B4-U0-G5	49156	123	B4-U0-G5	
	SW		47066	117	B5-U0-G4	47066	117	B5-U0-G4	47066	117	B5-U0-G4	
	FT		48809	122	B4-U0-G5	48809	122	B4-U0-G5	48809	122	B4-U0-G5	
	FTA		49021	122	B5-U0-G4	49021	122	B5-U0-G4	49021	122	B5-U0-G4	
	AM		49615	124	B4-U0-G3	49615	124	B4-U0-G3	49615	124	B4-U0-G3	

ELECTRICAL DATA (AMPS)*

Lumens	120V	208V	240V	277V	347V	480V
7L	0.40	0.23	0.20	0.17	0.14	0.10
9L	0.52	0.30	0.26	0.22	0.18	0.13
12L	0.71	0.41	0.35	0.31	0.24	0.18
18L	1.13	0.65	0.56	0.49	0.39	0.28
24L	1.47	0.85	0.73	0.64	0.51	0.37
30L	1.93	1.12	0.97	0.84	0.67	0.48
36L	2.40	1.38	1.20	1.04	0.83	0.60
42L	2.95	1.70	1.48	1.28	1.02	0.74
48L	3.44	1.98	1.7A	1.5A	1.2A	0.8A

ELECTRICAL DATA - PHOSPHOR CONVERTED AMBER (AMPS)*

Lumens	Watts	120V	208V	240V	277V	347V	480V
9L	74.3	0.6A	0.4A	0.3A	0.3A	0.2A	0.2A
12L	102.9	0.9A	0.5A	0.4A	0.4A	0.3A	0.2A

*Electrical data at 25°C (77°F). Actual wattage may differ by +/-10%

RECOMMENDED LUMEN MAINTENANCE[1] (7-18L)

Ambient	Initial[2]	25k[3]	50k[3]	75k[3]	100k[3]
0-50 C	100%	96%	92%	88%	84%

RECOMMENDED LUMEN MAINTENANCE[1] (24-48L)

Ambient	Initial[2]	25k[3]	50k[3]	75k[3]	100k[3]
0-40 C	100%	100%	97%	94%	92%

1. Lumen maintenance values at 25C are calculated per TM-21 based on LM-80 data and in-situ testing.
2. In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times the IESNA LM-80-08 total test duration for the device under testing.
3. In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times the IESNA LM-80-08 total test duration for the device under testing.

DELIVERED LUMENS*

Lumen Package	Distribution	Phosphor Converted Amber (Peak 610nm)			Wattage
		Delivered Lumens	Efficacy	BUG Rating	
9L	2	5868	80	B2-U0-G2	74
	2 - IL	3644	50	B0-U0-G1	
	3	6018	82	B1-U0-G2	
	3 - IL	4468	61	B0-U0-G2	
	SW	5471	74	B3-U0-G1	
	FT	5851	79	B1-U0-G2	
	FT - IL	3649	50	B0-U0-G1	
	FTA	5924	81	B1-U0-G1	
	FTA - IL	4243	58	B1-U0-G1	
12L	2	7530	74	B2-U0-G2	102
	2 - IL	4692	46	B0-U0-G1	
	3	7749	76	B1-U0-G2	
	3 - IL	5753	57	B0-U0-G2	
	SW	7045	69	B3-U0-G2	
	FT	7515	73	B2-U0-G2	
	FT - IL	4699	46	B0-U0-G2	
	FTA	7628	75	B2-U0-G2	
	FTA-IL	5464	54	B1-U0-G1	

*LEDs are frequently updated therefore values are nominal.

ABBY L. THURMAN
FLORIDA
No. 86329
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/23/25
ABBY L. THURMAN
FL Lic #86329
Firm Lic #27905

DRAWN BY: LT

Thomas A. Lundberg ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0568
Fax: 417.862.3265
e-mail: architect@estherlschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

SITE LIGHTING DETAILS

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM # 4902
DATE: 5-23-25
REVISION DATE:

C COPYRIGHT 2025 - 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.

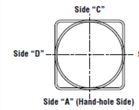
SGE
SMITH-GOTH ENGINEERS, INC.
3855 S. JEFFERSON AVE. P: 417-882-2200
SPRINGFIELD, MO 65807 F: 417-882-1188
www.SMITHGOTH.COM

Steel Poles - Square Straight

DRILLING LOCATIONS

Back to Quick Links

Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90°				
T90	X	X		X
TN120°				
Q90	X	X	X	X
QN90°				
Single FBO	X			
Double FBO		X		X

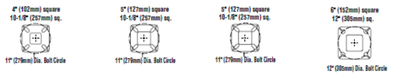


NOTES:
1 - Two locations will be 45° to the left and right of Side A.
2 - Other two locations will be 120° to the left and right of Side A.
3 - Two locations will be 45° to the left and right of Side A and two locations will be 135° to the left and right of Side A.

Consult factory for custom variations. Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

FIXTURE CONFIGURATIONS

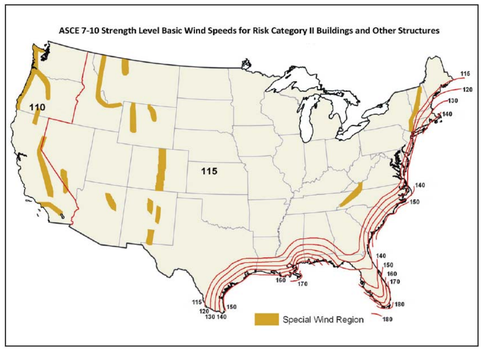
BOLT CIRCLE



Bolt Circle Designator	B	C	D	J
Bolt Circle	Slotted 11" (279mm)	Slotted 11" (279mm)	Slotted 11" (279mm)	Slotted 12" (305mm)
Anchor Bolt Size	3/4" x 30" (19mm x 762mm)	3/4" x 36" (19mm x 762mm)	1" x 36" (25mm x 914mm)	1" x 36" (25mm x 914mm)
Anchor Bolt Projection	3-1/8" (80mm)	3-1/8" (80mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)	5-5/8" (143mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1-1/8" thk. (305mm x 29mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

WINDSPEED MAP FOR ASCE7-10



Wind Speed Map and Pole EPAs are based on ANSI/ASCE 7-10. Please inform LSI if your local code requirements differ; LSI can supply calculations to your code requirements.

NOTES:
1. Values are the fastest-mile speeds at 33 ft. (10 m) above ground for exposure Category 2.
2. Linear interpolation between wind speed contours is acceptable.
3. When using this map to determine EPA readings, always use high end of range.
4. Fixture and pole EPA values are based on wind pressures and forces specified in ANSI/ASCE 7-10.
5. Local code may require wind speeds other than those shown on map.

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. Pole manufacturer is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. **CAUTION:** This guarantee does not apply if the pole/bracket/ fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

Project Name _____ Fixture Type _____
Catalog # _____

4/29/17
© 2017
LSI INDUSTRIES INC.

Steel Poles - Square Straight

ORDERING GUIDE

Back to Quick Links

TYPICAL ORDER EXAMPLE: **4SQ B3 S11G 24 S PLP DGP**

Pole Series
- 4SQ - 4" x 4" Square Straight Pole
- 5SQ - 5" x 5" Square Straight Pole
- 6SQ - 6" x 6" Square Straight Pole

Mounting Method
- **Bolt-On Mount*** - See pole selection guide for patterns and fixture matches.
  - B5 - 5" Traditional Drilling Pattern
  - B3 - 3" Reduced Drilling Pattern
  - B2 - 2" Reduced Drilling Pattern
- **T - Tenon Mount** - See pole selection guide for tenon and fixture/bracket matches.
- **I - No Mounting Holes*** - Use with:
  - RKA 4EF & RKA 5EF
  - RKA X4EF & RKD X5EF

Material
- S11G - 11 Ga. Steel (4SQ and 5SQ only)
- S07G - 07 Ga. Steel

Height*
8', 10', 12', 14', 15', 16', 17', 17' 6", 18', 20', 22', 22' 6", 23', 24', 25', 26', 27', 28', 30', 32', 36', 39'

Height Restriction, Consult Pole Selection Chart on opposite page

Mounting Configuration
- S - Single/Parallel
- D180 - Double
- D90 - Double
- DN90 - Double
- T90 - Triple
- TN120 - Triple
- Q90 - Quad
- QN90 - Quad

N - Tenon Mount (Standard tenon size is 2-3/8" O.D.)

Pole Finish
- BRZ - Bronze
- BLK - Black
- PLP - Platinum Plus
- WHT - White
- SVG - Satin Verde Green
- GPT - Graphite
- MSV - Metallic Silver
- BZA - Alternate Bronze

Options
- GA - Galvanized Anchor Bolts
- SF - Single Flood [1]
- DF - Double Flood [1]
- DGP - DuraGrip® Plus
- LAB - Less Anchor Bolts
- CRXX - Conduit Raceway*

Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

Accessory Ordering Information

Description	Order Number
4BC - 4" Square Base Cover	122to19CLR
5BC - 5" Square Base Cover	122to51CLR
6BC - 6" Square Base Cover	122to13CLR
1702 - Weatherproof Duplex Receptacle	122to58CLR
GFI - Ground Fault Circuit Interrupter	122to51CLR
MHb - mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs)	132336
MHb - mounting Hole Plugs for use with 3" reduced drill pattern (3 set of 3 plugs)	681126
MHD - Mounting Hole Plugs for use with 2" reduced drill pattern (3 sets of 3 plugs)	r2b941

Description	Order Number
Vibration Damper - 4" Square Pole (bolt-on mount only)	1J1b39
Vibration Damper - 5" Square Pole (bolt-on mount only)	1J1b38
Vibration Damper - 6" Square Pole (bolt-on mount only)	1H1961

FOOTNOTES:
1 - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern spec sheets.
2 - Pole heights will have +/- 1/2" tolerance.
3 - See Flood Lighting Brackets section for choice of FBO brackets.
4 - CR selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

Steel Poles - Square Straight

WIND SPEED

Back to Quick Links

EPA Information
All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.
CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

NOTE: Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult LSI for other areas. Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

Use ONLY with "Wind Speed Map for ASCE 7-10

POLE*	Mtg. Height Length (ft)	Wall Thick (GA)	BOLT CIRCLE Designator	BOLT CIRCLE Dia. (in)	BOLT CIRCLE Anchor bolt Dia (in)	EPA 110 MPH	EPA 115 MPH	EPA 120 MPH	EPA 130 MPH	EPA 140 MPH	EPA 150 MPH	EPA 160 MPH	EPA 170 MPH	EPA 180 MPH
4" x 11-ga x 12'	12	11	B	11"-11"	0.75	13.9	12.5	11.3	9.2	7.6	6.3	5.2	4.3	3.6
4" x 11-ga x 14'	14	11	B	11"-11"	0.75	10.7	9.5	8.5	6.8	5.4	4.4	3.5	2.7	2.1
4" x 11-ga x 16'	16	11	B	11"-11"	0.75	8.2	7.2	6.4	4.9	3.8	2.9	2.1	1.5	1.0
4" x 11-ga x 18'	18	11	B	11"-11"	0.75	6.3	5.4	4.7	3.4	2.4	1.6	1.0	0.4	n/a
4" x 11-ga x 20'	20	11	B	11"-11"	0.75	4.6	3.9	3.2	2.1	1.2	0.6	n/a	n/a	n/a
4" x 11-ga x 22'	22	11	B	11"-11"	0.75	7.6	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 11-ga x 24'	24	11	B	11"-11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 11-ga x 26'	26	11	B	11"-11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 14'	14	7	B	11"-11"	0.75	18.3	16.4	14.9	12.2	10.2	8.5	7.1	5.9	5.0
4" x 7-ga x 16'	16	7	B	11"-11"	0.75	14.7	13.2	11.8	9.6	7.8	6.3	5.2	4.2	3.4
4" x 7-ga x 18'	18	7	B	11"-11"	0.75	11.9	10.5	9.3	7.4	5.9	4.6	3.6	2.8	2.1
4" x 7-ga x 20'	20	7	B	11"-11"	0.75	9.6	8.4	7.4	5.7	4.3	3.2	2.3	1.6	0.9
4" x 7-ga x 22'	22	7	B	11"-11"	0.75	7.7	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 7-ga x 24'	24	7	B	11"-11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 7-ga x 26'	26	7	B	11"-11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 28"	28	7	B	11"-11"	0.75	3.3	2.5	1.8	0.7	n/a	n/a	n/a	n/a	n/a
4" x 7-ga x 30"	30	7	B	11"-11"	0.75	2.2	1.4	0.8	n/a	n/a	n/a	n/a	n/a	n/a
5" x 11-ga x 14'	14	11	C	11"-11"	0.75	17.4	15.7	14.1	11.5	9.3	7.7	6.3	5.2	4.2
5" x 11-ga x 16'	16	11	C	11"-11"	0.75	13.8	12.3	10.9	8.7	6.9	5.5	4.3	3.3	2.5
5" x 11-ga x 18'	18	11	C	11"-11"	0.75	10.8	9.6	8.4	6.5	4.9	3.7	2.6	1.8	1.1
5" x 11-ga x 20'	20	11	C	11"-11"	0.75	8.5	7.3	6.3	4.6	3.2	2.1	1.2	0.5	n/a
5" x 11-ga x 22'	22	11	C	11"-11"	0.75	10.9	9.5	8.3	6.3	4.5	3.2	2.1	1.2	0.5
5" x 11-ga x 24'	24	11	C	11"-11"	0.75	8.8	7.5	6.4	4.5	3.0	1.8	0.8	n/a	n/a
5" x 11-ga x 26'	26	11	C	11"-11"	0.75	6.8	5.7	4.6	3.0	1.6	0.6	n/a	n/a	n/a
5" x 11-ga x 28'	28	11	C	11"-11"	0.75	5.2	4.1	3.2	1.6	0.4	n/a	n/a	n/a	n/a
5" x 11-ga x 30'	30	11	C	11"-11"	0.75	3.6	2.7	1.8	0.4	n/a	n/a	n/a	n/a	n/a
5" x 7-ga x 20'	20	7	D	11"-11"	1.00	21.6	19.3	17.3	14.0	11.3	9.2	7.4	6.0	4.8
5" x 7-ga x 22'	22	7	D	11"-11"	1.00	20.7	18.6	16.6	13.3	10.7	8.5	6.8	5.4	4.2
5" x 7-ga x 24'	24	7	D	11"-11"	1.00	17.7	15.6	13.8	10.8	8.5	6.6	5.0	3.7	2.6
5" x 7-ga x 26'	26	7	D	11"-11"	1.00	14.8	13.1	11.4	8.8	6.6	4.8	3.5	2.3	1.3
5" x 7-ga x 28'	28	7	D	11"-11"	1.00	12.3	10.9	9.4	6.9	4.9	3.4	2.1	1.0	n/a
5" x 7-ga x 30'	30	7	D	11"-11"	1.00	10.3	8.9	7.5	5.2	3.4	2.0	0.8	n/a	n/a
5" x 7-ga x 35'	35	7	D	11"-11"	1.00	6.0	4.8	3.6	1.8	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 24'	24	7	J	12"	1.00	18.6	16.4	14.3	11.2	8.6	6.5	4.8	3.4	2.2
6" x 7-ga x 26'	26	7	J	12"	1.00	15.6	13.4	11.7	8.8	6.5	4.6	3.0	1.8	0.7
6" x 7-ga x 28'	28	7	J	12"	1.00	12.9	10.9	9.3	6.7	4.6	2.8	1.5	n/a	n/a
6" x 7-ga x 30'	30	7	J	12"	1.00	10.4	8.8	7.3	4.8	2.9	1.3	n/a	n/a	n/a
6" x 7-ga x 32'	32	7	J	12"	1.00	8.3	6.8	5.5	3.1	1.3	n/a	n/a	n/a	n/a
6" x 7-ga x 34'	34	7	J	12"	1.00	6.5	5.0	3.7	1.6	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 35'	35	7	J	12"	1.00	5.5	4.2	2.9	0.9	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 39'	39	7	J	12"	1.00	2.3	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

All LSI Industries' poles are guaranteed to meet the EPA requirements listed. LSI Industries is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.
CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. LSI Industries cannot accept responsibility for harm or damage caused in these situations.

Note:
1- Poles shorter than these listed here in for each gauge have EPA rating equal to or greater than what is provided in this table. To Confirm EPA ratings on shorter poles, contact LSI Industries.
2- LSI Industries recommends a vibration damper be ordered with this length.

Catalog # : _____ Project : _____
Prepared By : _____ Date : _____

Steel Poles
Square Straight

QUICK LINKS
Ordering Guide | Configurations | Dimensions | EPA

FEATURES & SPECIFICATIONS

Pole Shaft
- Straight poles are 4", 5", or 6" square.
- Pole shaft is electro-welded ASTM-A500 Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe. Tenon is 4-3/4" in length.

Hand-Hole
- Standard hand-hole location is 12" above pole base.
- Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

Base
- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

Anchor Bolts
- Poles are furnished with anchor bolts featuring zinc-plated double nuts and washers. Galvanized anchor bolts are optional.
- Anchor bolts conform to ASTM F 1554-07a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug
- Ground lug is standard.

Duplex Receptacle
- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter
- Self-testing Ground fault circuit interrupter is optional.

Finishes
- Every pole is provided with the DuraGrip® Protection System and a 5-year limited warranty.
- When the top-of-the line DuraGrip® Plus Protection System is selected, in addition to the DuraGrip® Protection System, a non-porous, automotive-grade corrosion coating is applied to the lower portion of the pole interior, sealing and further protecting it from corrosion. This option extends the limited warranty to 7 years.

Determining The Luminaire/Pole Combination For Your Application:
- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/ bracket EPA chart
- Select pole height
- Select MPH to match wind speed in the application area (See windspeed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets

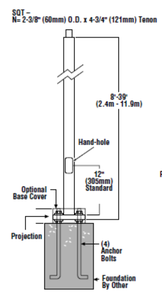
Pole Vibration Damper
- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Listings
- UL Listed
- BAA/TAA Compliant

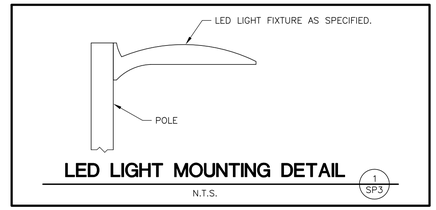
Steel Poles - Square Straight

PRODUCT DIMENSIONS

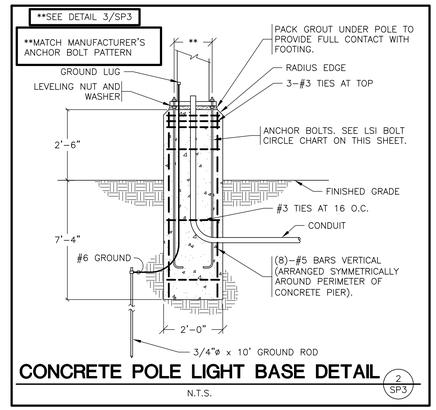
Back to Quick Links



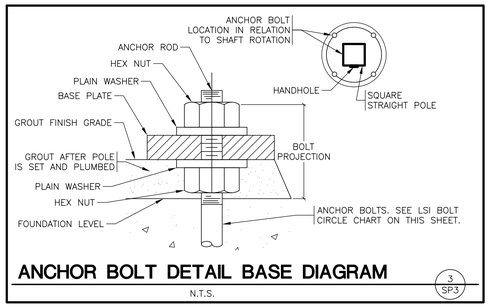
SHIPPING WEIGHTS	
4"(102mm) sq. 11 Ga. is approximately	7.50 lbs./ft.
4"(102mm) sq. 07 Ga. is approximately	10.00 lbs./ft.
5"(127mm) sq. 11 Ga. is approximately	9.00 lbs./ft.
5"(127mm) sq. 07 Ga. is approximately	12.50 lbs./ft.
6"(152mm) sq. 07 Ga. is approximately	15.40 lbs./ft.
Anchor Bolts (3/4" x 30"):(19mm x 762mm):	15 lbs. (7kg)/set
Anchor Bolts (1" x 36"):(25mm x 914mm)	30 lbs. (14kg)/set



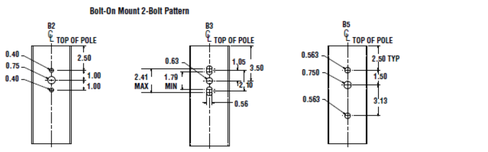
LED LIGHT MOUNTING DETAIL (1 SP3)
N.T.S.



CONCRETE POLE LIGHT BASE DETAIL (2 SP3)
N.T.S.



ANCHOR BOLT DETAIL BASE DIAGRAM (3 SP3)
N.T.S.



Thomas A. Lundberg
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estesrischmeier.com

ABBY L. THURMAN
No. 86329
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/23/25

ABBY L. THURMAN
FL Lic #86329
Firm Lic #27905

DRAWN BY: LT

PROJECT:
NEW O'REILLY AUTO PARTS
HWY FL. 44
EUSTIS, FL #2

SITE LIGHTING DETAILS

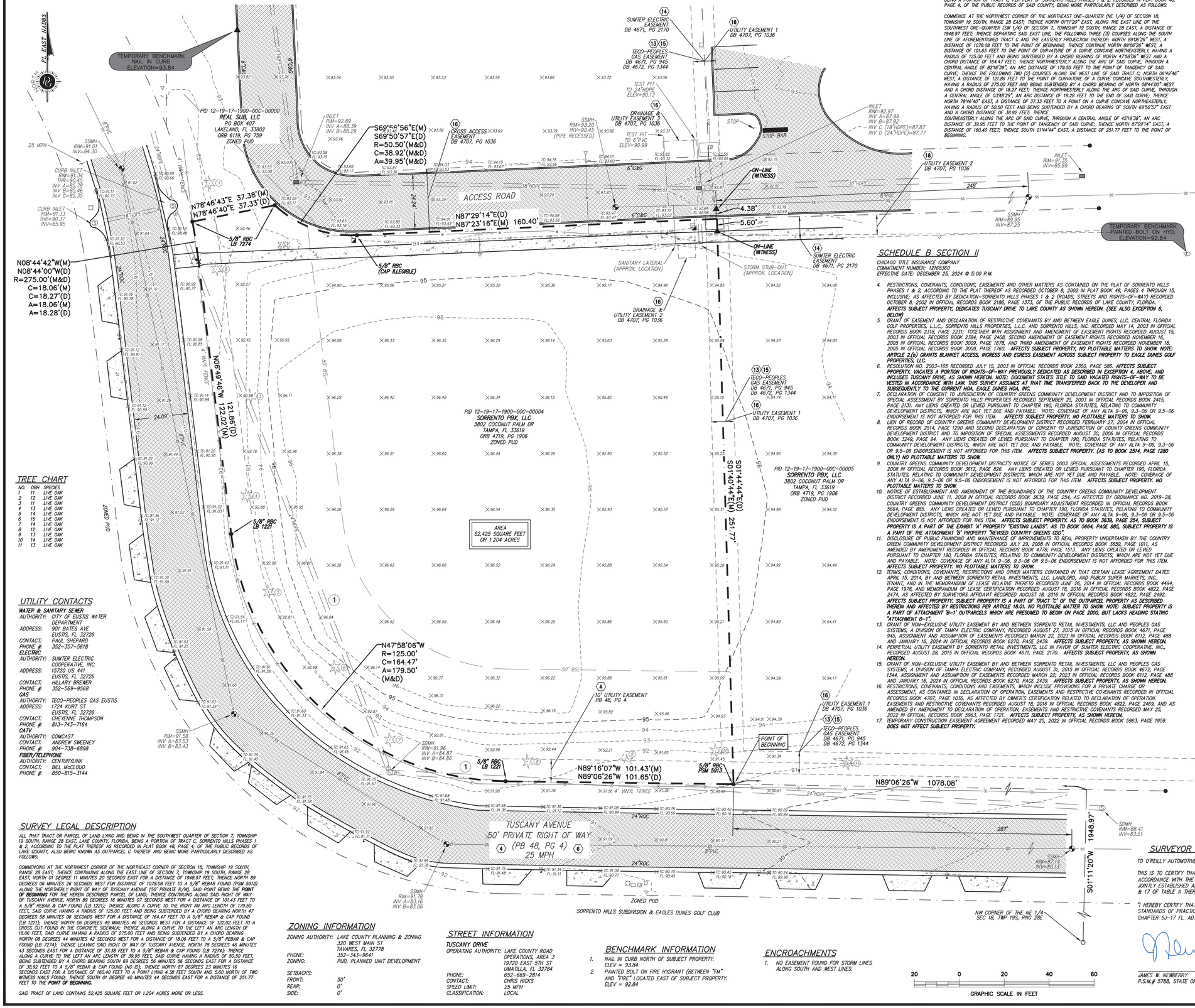
O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	5-23-25
REVISION DATE:	

SGE
SMITH-GOTH ENGINEERS, INC.
3855 S. Jefferson Ave. Springfield, MO 65807
P: 417-882-2200
F: 417-882-1188
www.smithgoth.com

C COPYRIGHT 2025 - 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.

MAP OF BOUNDARY & TOPOGRAPHIC SURVEY



TREE CHART

NO.	DBH	SPECIES
1	11	LIVE OAK
2	12	LIVE OAK
3	11	LIVE OAK
4	13	LIVE OAK
5	14	LIVE OAK
6	16	LIVE OAK
7	14	LIVE OAK
8	12	LIVE OAK
9	13	LIVE OAK
10	14	LIVE OAK
11	13	LIVE OAK

UTILITY CONTACTS

WATER & SANITARY SEWER
AUTHORITY: CITY OF EUSTIS WATER DEPARTMENT
ADDRESS: 901 BATES AVE EUSTIS, FL 32726
CONTACT: PAUL SHEPARD
PHONE #: 352-357-5618

ELECTRIC
AUTHORITY: SUMTER ELECTRIC COOPERATIVE, INC.
ADDRESS: 15720 US 441 EUSTIS, FL 32726
CONTACT: HILLARY BREWER
PHONE #: 352-569-9568

GAS
AUTHORITY: TECO-PEOPLES GAS EUSTIS
ADDRESS: 1724 KURT ST EUSTIS, FL 32726
CONTACT: CHEYENNE THOMPSON
PHONE #: 813-743-7164

CATV
AUTHORITY: COMCAST
CONTACT: ANDREW SWEENEY
PHONE #: 904-738-6898

FIBER/TELEPHONE
AUTHORITY: CENTURYLINK
CONTACT: BILL McCLOUD
PHONE #: 850-815-3144

SURVEY LEGAL DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND LYING AND BEING IN THE SOUTHWEST QUARTER OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, LAKE COUNTY, FLORIDA, BEING A PORTION OF TRACT C, SORRENTO HILLS PHASES 1 & 2, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 48, PAGE 4, OF THE PUBLIC RECORDS OF LAKE COUNTY, ALSO BEING KNOWN AS OUTPARCEL C THEREOF AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF THE NORTHEAST CORNER OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 28 EAST; THENCE CONTINUING ALONG THE EAST LINE OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, NORTH 01 DEGREE 11 MINUTES 20 SECONDS EAST FOR A DISTANCE OF 1948.97 FEET; THENCE NORTH 89 DEGREES 06 MINUTES 26 SECONDS WEST FOR DISTANCE OF 1078.08 FEET TO A 5/8" REBAR FOUND (PSM 5913) ALONG THE NORTHERLY RIGHT OF WAY OF TUSCANY AVENUE (50' PRIVATE R/W), SAID POINT BEING THE **POINT OF BEGINNING** FOR THE HEREIN DESCRIBED PARCEL OF LAND; THENCE CONTINUING ALONG SAID RIGHT OF WAY OF TUSCANY AVENUE, NORTH 89 DEGREES 16 MINUTES 07 SECONDS WEST FOR A DISTANCE OF 101.43 FEET TO A 5/8" REBAR & CAP FOUND (LB 1221); THENCE ALONG A CURVE TO THE RIGHT AN ARC LENGTH OF 179.50 FEET, SAID CURVE HAVING A RADIUS OF 125.00 FEET AND BEING SUBTENDED BY A CHORD BEARING NORTH 47 DEGREES 58 MINUTES 06 SECONDS WEST FOR A DISTANCE OF 164.47 FEET TO A 5/8" REBAR & CAP FOUND (LB 1221); THENCE NORTH 06 DEGREES 49 MINUTES 46 SECONDS WEST FOR A DISTANCE OF 122.02 FEET TO A CROSS CUT FOUND IN THE CONCRETE SIDEWALK; THENCE ALONG A CURVE TO THE LEFT AN ARC LENGTH OF 18.06 FEET, SAID CURVE HAVING A RADIUS OF 275.00 FEET AND BEING SUBTENDED BY A CHORD BEARING NORTH 08 DEGREES 44 MINUTES 42 SECONDS WEST FOR A DISTANCE OF 18.06 FEET TO A 5/8" REBAR & CAP FOUND (LB 7274); THENCE LEAVING SAID RIGHT OF WAY OF TUSCANY AVENUE, NORTH 78 DEGREES 46 MINUTES 43 SECONDS EAST FOR A DISTANCE OF 37.38 FEET TO A 5/8" REBAR & CAP FOUND (LB 7274); THENCE ALONG A CURVE TO THE LEFT AN ARC LENGTH OF 39.95 FEET, SAID CURVE HAVING A RADIUS OF 50.50 FEET, BEING SUBTENDED BY A CHORD BEARING SOUTH 69 DEGREES 56 MINUTES 56 SECONDS EAST FOR A DISTANCE OF 38.92 FEET TO A 5/8" REBAR & CAP FOUND (NO ID); THENCE NORTH 87 DEGREES 23 MINUTES 16 SECONDS EAST FOR A DISTANCE OF 160.40 FEET TO A POINT LYING 4.38 FEET SOUTH AND 5.60 NORTH OF TWO WITNESS NAILS FOUND; THENCE SOUTH 01 DEGREE 40 MINUTES 44 SECONDS EAST FOR A DISTANCE OF 251.77 FEET TO THE **POINT OF BEGINNING.**

SAID TRACT OF LAND CONTAINS 52,425 SQUARE FEET OR 1.204 ACRES MORE OR LESS.

ZONING INFORMATION

ZONING AUTHORITY: LAKE COUNTY PLANNING & ZONING
320 WEST MAIN ST
TAVARES, FL 32778
PHONE: 352-343-9641
ZONING: PUD, PLANNED UNIT DEVELOPMENT

SETBACKS:
FRONT: 50'
REAR: 0'
SIDE: 0'

STREET INFORMATION

TUSCANY DRIVE
OPERATING AUTHORITY: LAKE COUNTY ROAD OPERATIONS, AREA 3
19720 EAST 5TH ST
UMATILLA, FL 32784
PHONE: 352-669-2814
CONTACT: CHRIS HICKS
SPEED LIMIT: 25 MPH
CLASSIFICATION: LOCAL

BENCHMARK INFORMATION

1. NAIL IN CURB NORTH OF SUBJECT PROPERTY. ELEV = 93.84
2. PAINTED BOLT ON FIRE HYDRANT (BETWEEN "FM" AND "FIRE" LOCATED EAST OF SUBJECT PROPERTY. ELEV = 92.84

ENCROACHMENTS

1. NO EASEMENT FOUND FOR STORM LINES ALONG SOUTH AND WEST LINES.

GRAPHIC SCALE IN FEET
20 0 20 40 60

RECORD LEGAL DESCRIPTION

A PARCEL OF LAND SITUATED IN SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, LAKE COUNTY, FLORIDA, BEING A PORTION OF TRACT C, PER PLAT OF SORRENTO HILLS PHASES 1 & 2, RECORDED IN PLAT BOOK 48, PAGE 4, OF THE PUBLIC RECORDS OF SAID COUNTY, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF THE NORTHEAST ONE-QUARTER (NE 1/4) OF SECTION 18, TOWNSHIP 19 SOUTH, RANGE 28 EAST; THENCE NORTH 01°11'20" EAST, ALONG THE EAST LINE OF THE SOUTHWEST ONE-QUARTER (SW 1/4) OF SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST, A DISTANCE OF 1948.97 FEET; THENCE DEPARTING SAID EAST LINE, THE FOLLOWING THREE (3) COURSES ALONG THE SOUTH LINE OF AFOREMENTIONED TRACT C AND THE EASTERLY PROJECTION THEREOF: NORTH 89°06'26" WEST, A DISTANCE OF 1078.08 FEET TO THE POINT OF BEGINNING; THENCE CONTINUE NORTH 89°06'26" WEST, A DISTANCE OF 101.65 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 125.00 FEET AND BEING SUBTENDED BY A CHORD BEARING OF NORTH 47°58'06" WEST AND A CHORD DISTANCE OF 164.47 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 82°16'39", AN ARC DISTANCE OF 179.50 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE THE FOLLOWING TWO (2) COURSES ALONG THE WEST LINE OF SAID TRACT C: NORTH 06°49'46" WEST, A DISTANCE OF 121.86 FEET TO THE POINT OF CURVATURE OF A CURVE CONCAVE SOUTHWESTERLY, HAVING A RADIUS OF 275.00 FEET AND BEING SUBTENDED BY A CHORD BEARING OF NORTH 08°44'00" WEST AND A CHORD DISTANCE OF 18.27 FEET; THENCE NORTHWESTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 03°48'29", AN ARC DISTANCE OF 18.28 FEET TO THE END OF SAID CURVE; THENCE NORTH 78°46'40" EAST, A DISTANCE OF 37.33 FEET TO A POINT ON A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 50.50 FEET AND BEING SUBTENDED BY A CHORD BEARING OF SOUTH 69°50'57" EAST AND A CHORD DISTANCE OF 38.92 FEET; THENCE SOUTHEASTERLY ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 45°19'38", AN ARC DISTANCE OF 39.95 FEET TO THE POINT OF TANGENCY OF SAID CURVE; THENCE NORTH 87°29'14" EAST, A DISTANCE OF 160.40 FEET; THENCE SOUTH 01°44'44" EAST, A DISTANCE OF 251.77 FEET TO THE POINT OF BEGINNING.

SCHEDULE B SECTION II

CHICAGO TITLE INSURANCE COMPANY
COMMITMENT NUMBER: 12168360
EFFECTIVE DATE: DECEMBER 25, 2024 @ 5:00 P.M.

4. RESTRICTIONS, COVENANTS, CONDITIONS, EASEMENTS AND OTHER MATTERS AS CONTAINED ON THE PLAT OF SORRENTO HILLS PHASES 1 & 2, ACCORDING TO THE PLAT THEREOF AS RECORDED OCTOBER 8, 2002 IN PLAT BOOK 48, PAGES 4 THROUGH 15, INCLUSIVE; AS AFFECTED BY DEDICATION–SORRENTO HILLS PHASES 1 & 2 (ROADS, STREETS AND RIGHTS–OF–WAY) RECORDED OCTOBER 8, 2002 IN OFFICIAL RECORDS BOOK 2186, PAGE 1373, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. ***AFFECTS SUBJECT PROPERTY, DEDICATES TUSCANY DRIVE TO LAKE COUNTY AS SHOWN HEREON. (SEE ALSO EXCEPTION 6, BELOW)***
5. GRANT OF EASEMENT AND DECLARATION OF RESTRICTIVE COVENANTS BY AND BETWEEN EAGLE DUNES, LLC, CENTRAL FLORIDA GOLF PROPERTIES, L.L.C., SORRENTO HILLS PROPERTIES, LLC AND SORRENTO HILLS, INC. RECORDED MAY 14, 2003 IN OFFICIAL RECORDS BOOK 2318, PAGE 2231; TOGETHER WITH ASSIGNMENT AND AMENDMENT OF EASEMENT RIGHTS RECORDED AUGUST 15, 2003 IN OFFICIAL RECORDS BOOK 2384, PAGE 2408, SECOND AMENDMENT OF EASEMENT RIGHTS RECORDED NOVEMBER 16, 2005 IN OFFICIAL RECORDS BOOK 3009, PAGE 1678, AND THIRD AMENDMENT OF EASEMENT RIGHTS RECORDED NOVEMBER 16, 2005 IN OFFICIAL RECORDS BOOK 3009, PAGE 1760. ***AFFECTS SUBJECT PROPERTY, NO PLOTTABLE MATTERS TO SHOW. NOTE: ARTICLE 2.(b) GRANTS BLANKET ACCESS, INGRESS AND EGRESS EASEMENT ACROSS SUBJECT PROPERTY TO EAGLE DUNES GOLF PROPERTIES, LLC.***
6. RESOLUTION NO. 2003–105 RECORDED JULY 15, 2003 IN OFFICIAL RECORDS BOOK 2360, PAGE 586. ***AFFECTS SUBJECT PROPERTY. VACATES A PORTION OF RIGHTS–OF–WAY PREVIOUSLY DEDICATED AS DESCRIBED IN EXCEPTION 4, ABOVE, AND INCLUDES TUSCANY DRIVE, AS SHOWN HEREON. NOTE: DOCUMENT STATES TITLE TO SAID VACATED RIGHTS–OF–WAY TO BE VESTED IN ACCORDANCE WITH LAW. THIS SURVEY ASSUMES AT THAT TIME TRANSFERRED BACK TO THE DEVELOPER AND SUBSEQUENTLY TO THE CURRENT HOA, EAGLE DUNES HOA, INC.***
7. DECLARATION OF CONSENT TO JURISDICTION OF COUNTRY GREENS COMMUNITY DEVELOPMENT DISTRICT AND TO IMPOSITION OF SPECIAL ASSESSMENT BY SORRENTO HILLS PROPERTIES RECORDED SEPTEMBER 25, 2003 IN OFFICIAL RECORDS BOOK 2415, PAGE 2131. ANY LIENS CREATED OR LEVIED PURSUANT TO CHAPTER 190, FLORIDA STATUTES, RELATING TO COMMUNITY DEVELOPMENT DISTRICTS, WHICH ARE NOT YET DUE AND PAYABLE. NOTE: COVERAGE OF ANY ALTA 9–06, 9.3–06 OR 9.5–06 ENDORSEMENT IS NOT AFFORDED FOR THIS ITEM. ***AFFECTS SUBJECT PROPERTY, NO PLOTTABLE MATTERS TO SHOW.***
8. LIEN OF RECORDING OF COUNTRY GREENS COMMUNITY DEVELOPMENT DISTRICT RECORDED FEBRUARY 27, 2004 IN OFFICIAL RECORDS BOOK 2514, PAGE 1290 AND SECOND DECLARATION OF CONSENT TO JURISDICTION OF COUNTY GREENS COMMUNITY DEVELOPMENT DISTRICT AND TO IMPOSITION OF SPECIAL ASSESSMENTS RECORDED AUGUST 30, 2006 IN OFFICIAL RECORDS BOOK 3249, PAGE 94. ANY LIENS CREATED OR LEVIED PURSUANT TO CHAPTER 190, FLORIDA STATUTES, RELATING TO COMMUNITY DEVELOPMENT DISTRICTS, WHICH ARE NOT YET DUE AND PAYABLE. NOTE: COVERAGE OF ANY ALTA 9–06, 9.3–06 OR 9.5–06 ENDORSEMENT IS NOT AFFORDED FOR THIS ITEM. ***AFFECTS SUBJECT PROPERTY. (AS TO BOOK 2514, PAGE 1280 ONLY) NO PLOTTABLE MATTERS TO SHOW.***
9. COUNTRY GREENS COMMUNITY DEVELOPMENT DISTRICT'S NOTICE OF SERIES 2003 SPECIAL ASSESSMENTS RECORDED APRIL 15, 2008 IN OFFICIAL RECORDS BOOK 3612, PAGE 826. ANY LIENS CREATED OR LEVIED PURSUANT TO CHAPTER 190, FLORIDA STATUTES, RELATING TO COMMUNITY DEVELOPMENT DISTRICTS, WHICH ARE NOT YET DUE AND PAYABLE. NOTE: COVERAGE OF ANY ALTA 9–06, 9.3–06 OR 9.5–06 ENDORSEMENT IS NOT AFFORDED FOR THIS ITEM. ***AFFECTS SUBJECT PROPERTY. NO PLOTTABLE MATTERS TO SHOW.***
10. NOTICE OF ESTABLISHMENT AND AMENDMENT OF THE BOUNDARIES OF THE COUNTRY GREENS COMMUNITY DEVELOPMENT DISTRICT RECORDED JUNE 11, 2008 IN OFFICIAL RECORDS BOOK 3639, PAGE 254, AS AFFECTED BY ORDINANCE NO. 2019–28, COUNTRY GREENS COMMUNITY DEVELOPMENT DISTRICT (CDD) BOUNDARY ADJUSTMENT RECORDED IN OFFICIAL RECORDS BOOK 5664, PAGE 885. ANY LIENS CREATED OR LEVIED PURSUANT TO CHAPTER 190, FLORIDA STATUTES, RELATING TO COMMUNITY DEVELOPMENT DISTRICTS, WHICH ARE NOT YET DUE AND PAYABLE. NOTE: COVERAGE OF ANY ALTA 9–06, 9.3–06 OR 9.5–06 ENDORSEMENT IS NOT AFFORDED FOR THIS ITEM. ***AFFECTS SUBJECT PROPERTY. AS TO BOOK 3639, PAGE 254, SUBJECT PROPERTY IS A PART OF THE EXHIBIT 'A' PROPERTY "EXISTING LANDS". AS TO BOOK 5664, PAGE 885, SUBJECT PROPERTY IS A PART OF THE ATTACHMENT 'B' PROPERTY "REVISED COUNTRY GREENS CDD".***
11. DISCLOSURE OF PUBLIC FINANCING AND MAINTENANCE OF IMPROVEMENTS TO REAL PROPERTY UNDERTAKEN BY THE COUNTRY GREEN COMMUNITY DEVELOPMENT DISTRICT RECORDED JULY 25, 2008 IN OFFICIAL RECORDS BOOK 3659, PAGE 1011, AS AMENDED BY AMENDMENT RECORDED IN OFFICIAL RECORDS BOOK 4778, PAGE 1513. ANY LIENS CREATED OR LEVIED PURSUANT TO CHAPTER 190, FLORIDA STATUTES, RELATING TO COMMUNITY DEVELOPMENT DISTRICTS, WHICH ARE NOT YET DUE AND PAYABLE. NOTE: COVERAGE OF ANY ALTA 9–06, 9.3–06 OR 9.5–06 ENDORSEMENT IS NOTE AFFORDED FOR THIS ITEM. ***AFFECTS SUBJECT PROPERTY. NO PLOTTABLE MATTERS TO SHOW.***
12. TERMS, CONDITIONS, COVENANTS, RESTRICTIONS AND OTHER MATTERS CONTAINED IN THAT CERTAIN LEASE AGREEMENT DATED APRIL 15, 2014, BY AND BETWEEN SORRENTO RETAIL INVESTMENTS, LLC, LANDLORD, AND PUBLIX SUPER MARKETS, INC., TENANT, AND IN THE MEMORANDUM OF LEASE RELATIVE THERETO RECORDED JUNE 26, 2014 IN OFFICIAL RECORDS BOOK 4494, PAGE 1978, AND MEMORANDUM OF LEASE CERTIFICATION RECORDED AUGUST 10, 2016 IN OFFICIAL RECORDS BOOK 4822, PAGE 2474, AS AFFECTED BY SURVEYORS AFFIDAVIT RECORDED AUGUST 18, 2016 IN OFFICIAL RECORDS BOOK 4822, PAGE 2492. ***AFFECTS SUBJECT PROPERTY. SUBJECT PROPERTY IS A PART OF TRACT 'C' OF THE OUTPARCEL PROPERTY AS DESCRIBED THEREIN AND AFFECTED BY RESTRICTIONS PER ARTICLE 18.01. NO PLOTTABLE MATTER TO SHOW. NOTE: SUBJECT PROPERTY IS A PART OF ATTACHMENT 'B–1' OUTPARCELS WHICH ARE PRESUMED TO BEGIN ON PAGE 2000, BUT LACKS HEADING STATING "ATTACHMENT B–1".***
13. GRANT OF NON–EXCLUSIVE UTILITY EASEMENT BY AND BETWEEN SORRENTO RETAIL INVESTMENTS, LLC AND PEOPLES GAS SYSTEMS, A DIVISION OF TAMPA ELECTRIC COMPANY, RECORDED AUGUST 27, 2015 IN OFFICIAL RECORDS BOOK 4671, PAGE 945, ASSIGNMENT AND ASSUMPTION OF EASEMENTS RECORDED MARCH 22, 2023 IN OFFICIAL RECORDS BOOK 6112, PAGE 488 AND JANUARY 16, 2024 IN OFFICIAL RECORDS BOOK 6270, PAGE 2439. ***AFFECTS SUBJECT PROPERTY, AS SHOWN HEREON.***
14. PERPETUAL UTILITY EASEMENT BY SORRENTO RETAIL INVESTMENTS, LLC IN FAVOR OF SUMTER ELECTRIC COOPERATIVE, INC., RECORDED AUGUST 28, 2015 IN OFFICIAL RECORDS BOOK 4671, PAGE 2170. ***AFFECTS SUBJECT PROPERTY, AS SHOWN HEREON.***
15. GRANT OF NON–EXCLUSIVE UTILITY EASEMENT BY AND BETWEEN SORRENTO RETAIL INVESTMENTS, LLC AND PEOPLES GAS SYSTEMS, A DIVISION OF TAMPA ELECTRIC COMPANY, RECORDED AUGUST 31, 2015 IN OFFICIAL RECORDS BOOK 4672, PAGE 1344, ASSIGNMENT AND ASSUMPTION OF EASEMENTS RECORDED MARCH 22, 2023 IN OFFICIAL RECORDS BOOK 6112, PAGE 488 AND JANUARY 16, 2024 IN OFFICIAL RECORDS BOOK 6270, PAGE 2439. ***AFFECTS SUBJECT PROPERTY, AS SHOWN HEREON.***
16. RESTRICTIONS, COVENANTS, CONDITIONS AND EASEMENTS, WHICH INCLUDE PROVISIONS FOR A PRIVATE CHARGE OR ASSESSMENT, AS CONTAINED IN DECLARATION OF OPERATION, EASEMENTS AND RESTRICTIVE COVENANTS RECORDED IN OFFICIAL RECORDS BOOK 4707, PAGE 1036, AS AFFECTED BY OWNER'S CERTIFICATION RELATED TO DECLARATION OF OPERATION, EASEMENTS AND RESTRICTIVE COVENANTS RECORDED AUGUST 18, 2016 IN OFFICIAL RECORDS BOOK 4822, PAGE 2468, AND AS AMENDED BY AMENDMENT TO DECLARATION OF OPERATION, EASEMENTS AND RESTRICTIVE COVENANTS RECORDED MAY 25, 2022 IN OFFICIAL RECORDS BOOK 5963, PAGE 1721. ***AFFECTS SUBJECT PROPERTY, AS SHOWN HEREON.***
17. TEMPORARY CONSTRUCTION EASEMENT AGREEMENT RECORDED MAY 25, 2022 IN OFFICIAL RECORDS BOOK 5963, PAGE 1959. ***DOES NOT AFFECT SUBJECT PROPERTY.***

FLOOD ZONE

ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAPS (FIRM), COMMUNITY PANEL NO. 12069C 0385E, EFFECTIVE DATE: DECEMBER 18, 2012. THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE X, AREAS DETERMINED TO BE OUTSIDE 0.2% ANNUAL CHANCE FLOODPLAIN.

SURVEYOR CERTIFICATION

TO O'REILLY AUTOMOTIVE STORES, INC., A MISSOURI CORPORATION AND CHICAGO TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1–5, 7A, 7C, 8–9, 11A, 13–14 & 17 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON JANUARY 21, 2025.

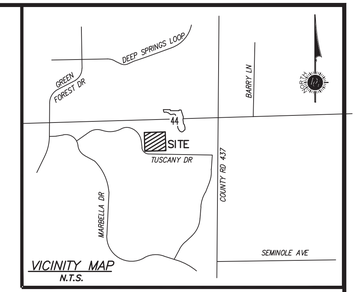
"I HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY RESPONSIBLE CHARGE AND MEETS THE STANDARDS OF PRACTICE SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 5J–17 FL. AD. CODE, PURSUANT TO SECTION 472.027, FL. STATUTES."

Digitally signed by James W Newberry
Date: 2025.02.20 15:12:39 -05'00'

JAMES W. NEWBERRY — DATE
P.S.M.# 5788, STATE OF FLORIDA

JAMES W. NEWBERRY JR. CERTIFICATE No. 5788 STATE OF FLORIDA Professional Surveyor & Mapper

VICINITY MAP



N.T.S.

LEGEND

PROPERTY LINE
ADJACENT PROPERTY LINE
EASEMENT LINE
FENCE LINE
BUILDING SETBACK LINE
LANDSCAPE BUFFER LINE
EXISTING CONTOUR LINE
WATER LINE
UNDERGROUND POWER LINE
SANITARY SEWER LINE
STORM SEWER LINE
IRON PIN FOUND (SIZE AND TYPE AS NOTED)
NAIL FOUND
CROSS CUT FOUND
SCHEDULE BII EXCEPTION
ENCROACHMENT
LIGHT POLE
ELECTRIC JUNCTION BOX
WATER VALVE
FIRE HYDRANT
IRRIGATION CONTROL VALVE
ELECTRIC METER
STORM MANHOLE
STORM INLET
SANITARY MANHOLE
SIGN
MAILBOX
TREE (SEE CHART)
SPOT ELEVATION
ASPHALT
CONCRETE

ABBREVIATIONS:

R/W	RIGHT OF WAY	RBC	REBAR & CAP
PID	PARCEL IDENTIFICATION NUMBER	C&G	CURB & GUTTER
N/F	NOW OR FORMERLY	ROC	ROLLOVER CURB
ORB	OFFICIAL RECORDS BOOK	TC/FL	TOP OF CURB/FLOWLINE
PB	PLAT BOOK	INV	INVERT
PG	PAGE	THR	THROAT
C	CHORD	SQ FT	SQUARE FEET
R	RADIUS	SEC	SECTION
A	ARC	TWP	TOWNSHIP
SSMH	STORM SEWER MANHOLE	RNG	RANGE
SSMH	SANITARY SEWER MANHOLE	HOA	HOMEOWNERS ASSOCIATION
PVC	POLYVINYL CHLORIDE	CDD	COMMUNITY DEVELOPMENT DISTRICT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	APPROX	APPROXIMATE
LB	LICENSED BUSINESS		

NOTES

1. DONALDSON, GARRETT AND ASSOCIATES, INC. AND THE LAND SURVEYOR WHOSE SEAL IS AFFIXED HEREON DO NOT GUARANTEE THAT ALL EASEMENTS WHICH MAY AFFECT THIS PROPERTY ARE SHOWN.
2. THIS DRAWING HAS BEEN GENERATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT BEARS THE ORIGINAL RAISED SEAL AND SIGNATURE OF A FLORIDA REGISTERED PROFESSIONAL SURVEYOR AND MAPPER OF DONALDSON, GARRETT AND ASSOCIATES, INC.
3. THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE APPROXIMATE AND WERE COMPILED FROM FIELD OBSERVATIONS, PHYSICAL MARKINGS BASED ON SUBSURFACE DETECTION EQUIPMENT AND/OR INFORMATION PROVIDED BY THE LOCAL UTILITY AUTHORITIES. THIS INFORMATION MAY BE INACCURATE OR INCOMPLETE. VERIFICATION OF THE UTILITY LOCATIONS SHOULD BE MADE PRIOR TO ANY CONSTRUCTION. SUBSURFACE UTILITY ENGINEERING (SUE) SERVICES PROVIDED BY T2 UTILITY ENGINEERS. SUNSHINE STATE ONE CALL DESIGN TICKET NO. 002500351.
4. SUBJECT PROPERTY IS LOCATED IN UNINCORPORATED LAKE COUNTY, FLORIDA.
5. THERE IS NO PUBLISHED STREET ADDRESS FOR THE SUBJECT PROPERTY.
6. ELEVATIONS SHOWN ARE NAVD 88 DATUM, BASED UPON GPS OBSERVATIONS. TO CONVERT TO NGVD 29 DATUM, ADD 0.97' TO THE ELEVATIONS SHOWN.
7. THE FIELD SURVEY WAS COMPLETED ON JANUARY 21, 2025.
8. THE BASIS OF BEARING FOR THIS SURVEY IS THE FLORIDA STATE PLANE COORDINATE GRID, EAST ZONE, NAD83 (2011) DATUM.
9. TREE IDENTIFICATIONS PROVIDED BY NATIVE FLORIDA LANDSCAPES, LLC. CERTIFIED ARBORIST. SEE THE ARBORIST REPORT PROVIDED SEPARATELY FOR ADDITIONAL TREE INFORMATION.

DONALDSON, GARRETT, & ASSOCIATES, INC.
MACON • CHARLOTTE
4875 RIVERSIDE DRIVE, SUITE 102
MACON, GA 31210
(478) 474-7744
http://www.dga-c.com
FLORIDA CERTIFICATE OF AUTHORIZATION NO. LB6552

ALTA/NSPS LAND TITLE SURVEY
FOR
O'REILLY AUTOMOTIVE STORES, INC.
OUTPARCEL C, TRACT C, – SORRENTO HILLS PHASES 1 & 2
SECTION 7, TOWNSHIP 19 SOUTH, RANGE 28 EAST
LAKE COUNTY FLORIDA

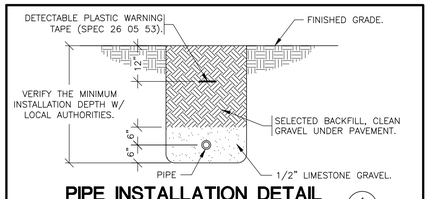
REVISIONS	DATE

DATE:	2/20/2025
SCALE:	1"=20'
DRAWING #:	4264–25–D
PROJ. #:	4539–672
DRWN:	STF
CHKD:	JWN

SV1

SHEET 1 OF 1

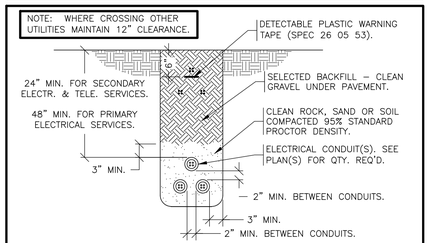
THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, REMAIN THE PROPERTY OF D. G. & A. AND NO PART SHOULD BE USED OR REPRODUCED IN ANY FORM WITHOUT PERMISSION



PIPE INSTALLATION DETAIL

1 US1

N.T.S.

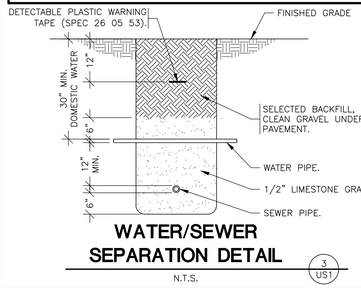


UNDERGROUND ELECTRICAL CONDUITS

2 US1

N.T.S.

NOTE: WHENEVER WATER AND SANITARY SEWER PIPES ARE WITHIN TEN (10) FEET OF EACH OTHER, THE BOTTOM OF THE WATER PIPE SHALL BE INSTALLED A MINIMUM OF ONE (1) FOOT ABOVE THE TOP OF THE SANITARY SEWER PIPE.



WATER/SEWER SEPARATION DETAIL

3 US1

N.T.S.

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. PROVIDE 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' (ft.) ABOVE FINISHED GRADE ATTACHED TO POLE.

CONTRACTOR SHALL COORDINATE INSTALLATION AND VERIFY REQUIREMENTS WITH PHONE COMPANY, PLUS INCLUDE ALL FEES (IF ANY) BY PHONE COMPANY FOR INSTALLATION OF NO LESS THAN 10 PAIR CABLE, IN MENTIONED CONDUIT, TO CONTRACTOR INSTALLED 4' X 6' X 3/4" FIRE RETARDING BACKBOARD (IF PLYWOOD, PAINT BOARD W/FIRE RETARDING PAINT) 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 OVERHEAD PHONE SERVICE RISER, WEATHER HEAD, ETC. COORDINATE 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 #D4896LSG203-36-S-FRPHD).
PHONE: (518) 346-6161 TO MEET OWNER AND LOCAL REQUIREMENTS.

GENERAL NOTE:

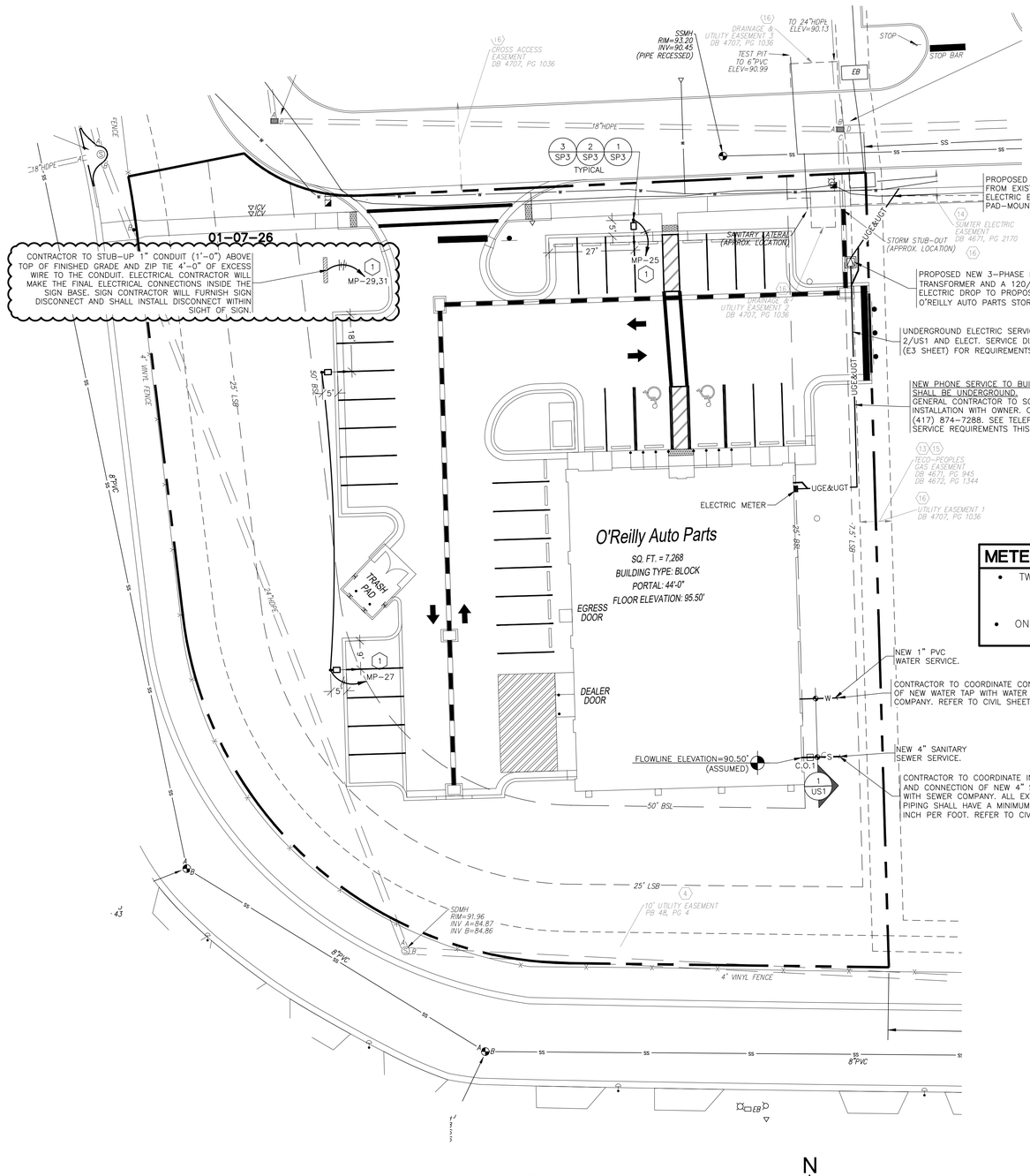
PRIOR TO INSTALLATION, GENERAL CONTRACTOR SHALL CONFIRM THAT LIGHT POLES, LANDSCAPING AND UTILITIES DO NOT CONFLICT WITH SIGN LOCATION SHOWN. IF ANY POTENTIAL CONFLICT IS DISCOVERED, GENERAL CONTRACTOR SHALL CONTACT THE O'REILLY PROJECT ADMINISTRATOR BEFORE PROCEEDING.

EMS KEYNOTE

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

STOP-CALL BEFORE YOU DIG!

811



UTILITIES SITE PLAN

SCALE: 1" = 20'-0"

N

METER & BACKFLOW LOCATIONS

- TWO 1" METERS AND IRRIGATION BACKFLOW DEVICE ARE TO BE INSTALLED OUTSIDE BUILDING. REFER TO CIVIL SHEETS FOR LOCATIONS.
- ONE RPZ TO BE INSTALLED INSIDE BUILDING. SEE P1 & P2 SHEET FOR LOCATION.

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.

ABBY L. THURMAN — 01/07/26 (DATE)

LICENSE RENEWAL DATE IS FEBRUARY 28, 2027

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

THE ABOVE-STATED 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.

ABBY L. THURMAN LICENSE No. 86329 STATE OF FLORIDA PROFESSIONAL ENGINEER 01/07/26

ABBY L. THURMAN
FL Lic #86329
Firm Lic #27905

DRAWN BY: LT

UTILITIES CONTACTS:

ELECTRIC: SUMTER ELECTRIC CO-OP., HILLARY BREWER: 352-569-9568
TELEPHONE: CENTURYLINK, BILL McCLOUD: 850-815-3144

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

NEW UTILITIES

W	WATER SERVICE
IR	IRRIGATION SERVICE
UGE	UNDERGROUND ELECTRIC
UGT	UNDERGROUND PHONE
S	SANITARY SEWER
OHE	OVERHEAD ELECTRIC
OHT	OVERHEAD PHONE
G	GAS SERVICE (BY GAS CO.)
	SAW CUT
	BORE
	GRAVEL

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

Thomas A. Lundberg
ARCHITECT
1736 East Sunshine, Suite 417
Springfield, Missouri 65804
417.862.0558
Fax: 417.862.3265
e-mail: architect@estherlyschneider.com

PROJECT:
NEW O'REILLY AUTO PARTS STORE
HWY FL. 44
EUSTIS, FL #2

UTILITIES SITE PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 862-2674 TELEPHONE

COMM #	4902
DATE:	5-23-25
REVISION DATE:	01-07-26

SGE
SMITH-GOTH ENGINEERS, INC.
3855 S. JEFFERSON AVE. SPRINGFIELD, MO 65807
P: 417-882-2200
F: 417-882-1188
WWW.SMITHGOTH.COM

© COPYRIGHT 2026 - 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.