

GENERAL NOTES

- (A) REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.
- (B) SITE CONDITIONS BASED UPON SURVEY PROVIDED BY OWNER. FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND BEGINNING CONSTRUCTION. NOTIFY ENGINEER IF EXISTING CONDITIONS DEVIATE SUBSTANTIALLY FROM THOSE INDICATED HEREIN.
- (C) FIELD VERIFY SANITARY SEWER SERVICE CONNECTION IN PRIOR TO ESTABLISHING FINAL FINISH FLOOR ELEVATION. NOTIFY ENGINEER IF EXISTING CONDITIONS REQUIRE REISED FINISH FLOOR ELEVATION TO PROVIDE PROPER DRAINAGE.
- (D) ACCESSIBLE PARKING AREAS TO SLOPE 2% MAXIMUM IN ALL DIRECTIONS. DESIGNATED ACCESSIBLE ROUTE TO SLOPE 2% MAXIMUM IN DIRECTION OF TRAVEL WITH 2% MAXIMUM CROSS SLOPE.
- (E) THE INTENT OF THIS PLAN IS TO PROVIDE A GRADING PLAN FOR THE PROJECT AREA. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND SHALL BE RESPONSIBLE FOR ANY CORRECTIONS OR ADDITIONAL COST TO THE PROJECT.

SITE EXCAVATION REQUIREMENTS

- (A) A GEOTECHNICAL ANALYSIS HAS BEEN PERFORMED ON THIS SITE. REFER TO PROJECT MANUAL.
- (B) FOLLOW GEOTECHNICAL ANALYSIS RECOMMENDATIONS FOR SITE EXCAVATION REQUIREMENTS.
- (C) REFER TO STRUCTURAL DRAWINGS FOR BUILDING EXCAVATION REQUIREMENTS.

DISTURBED LIMITS

1.17 ACRES > 1.0 ACRES (NOI & SWPPP REQUIRED)

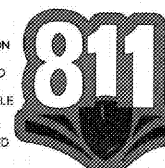
SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITIONS SYMBOLS LEGEND.

- EXISTING CONTOUR LINE
- NEW CONTOUR LINE
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION
- EXISTING FINISH GRADE
- NEW FINISH GRADE
- EXISTING SIDEWALK
- NEW SIDEWALK
- EXISTING TOP OF WALL
- NEW TOP OF WALL
- EXISTING TOP OF CURB
- NEW TOP OF CURB
- EXISTING TOP OF PAVEMENT
- NEW TOP OF PAVEMENT
- EXISTING PAVEMENT
- NEW PAVEMENT

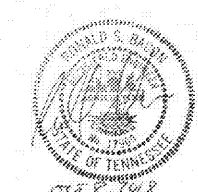
BENCHMARK ELE = 530.72 FT.
SQUARE CUT AT NORTHEAST CORNER OF CONCRETE PAD LOCATED 72 FEET EAST OF THE CENTERLINE OF LEBANON PIKE AND 22 FEET SOUTH OF THE CENTERLINE OF HEDGEAPPLE ROAD.

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 THEREOF.



Know what's below
Call before you dig.

SPECIAL NOTE: PRIOR TO CONTRACT CLOSEOUT, CONTRACTOR SHALL SECURE THE SERVICES OF A REGISTERED LAND SURVEYOR TO PROVIDE A SITE SURVEY OF COMPLETED PROJECT CONDITIONS AND SUBMIT FOR REVIEW AND APPROVAL BY OWNER. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.



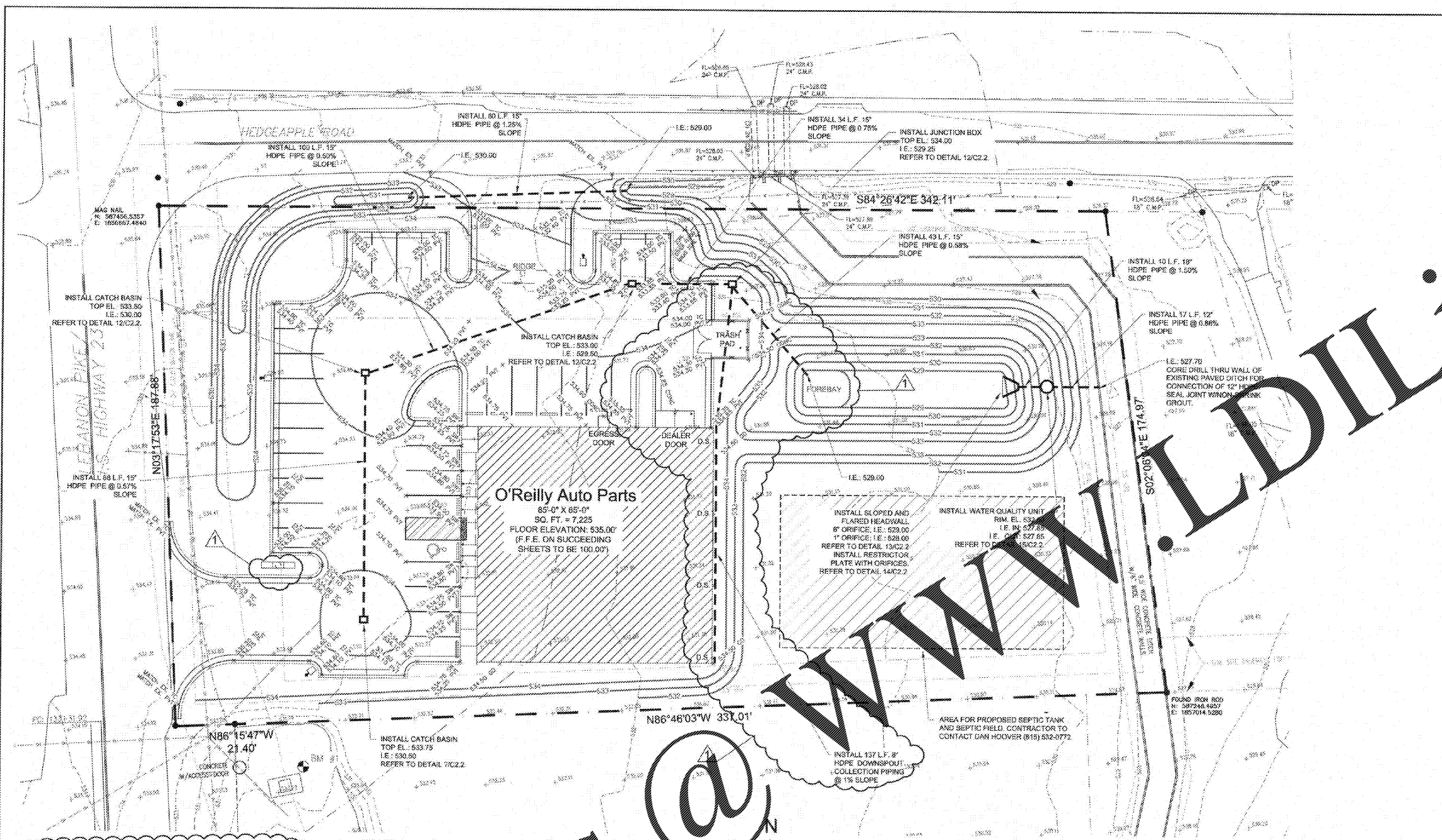
1736 East Sunshine, Suite 404
Springfield, Missouri 65714
417.862.8558
FAX: 417.862.8263
e-mail: architect@esterlyschneider.com

ESTERLY SCHNEIDER & ASSOCIATES, INC.
architects & planners
AIA

PROJECT: **NEW O'REILLY AUTO PARTS STORE**
U.S. HWY 231
MURFREESBORO, TN #5
SITE GRADING PLAN

O'Reilly AUTO PARTS
CORPORATE OFFICES
233 SOUTH PATTERSON
SPRINGFIELD, MISSOURI 65802
(417) 882-2874 TELEPHONE

COMM #	4219
DATE	8-17-18
REVISION	
DATE	
REV. 1	10-8-18



STORM WATER DETENTION SUMMARY:

METHOD OF STORM WATER CALCULATIONS:
SCS Method, 24 Hr Design Storms; 2, 5, 10, 25, 50 and 100 Year

PRE DEVELOPMENT		POST DEVELOPMENT	
Total Drainage Area = 0.70 Acres Cn = 88, Tc = 6.8 min.		Total Drainage Area = 0.70 Acres Cn = 92, Tc = 2 min.	
PEAK DISCHARGE	Year	PEAK DISCHARGE	Year
2	2,507	2	3,330
5	3,286	5	4,439
10	3,914	10	5,158
25	4,763	25	6,127
50	5,447	50	6,995
100	6,148	100	7,702

POND STORAGE
Storage Volume = 9,953 cu.ft.

OUTLET STRUCTURE
1" Dia. Orifice, I.E. 528.00
8" Dia. Orifice, I.E. 529.20
10" Wide Emergency Overflow Spillway, Weir El. 532.00

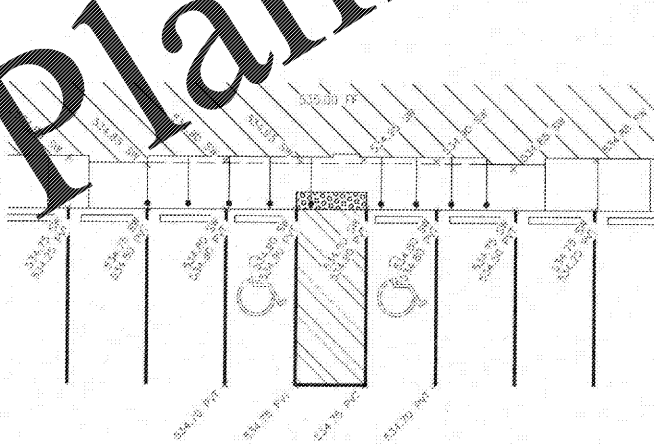
Post Development Hydrographs Routed Through Outlet Structure
1 Year: Peak El. 530.15, Peak Discharge 1,035 cfs < 2,507 cfs
5 Year: Peak El. 530.97, Peak Discharge 1,188 cfs < 3,286 cfs
10 Year: Peak El. 531.19, Peak Discharge 1,273 cfs < 3,914 cfs
25 Year: Peak El. 531.48, Peak Discharge 1,376 cfs < 4,763 cfs
50 Year: Peak El. 531.74, Peak Discharge 1,450 cfs < 5,447 cfs
100 Year: Peak El. 532.00, Peak Discharge 1,535 cfs < 6,148 cfs

SPECIAL NOTES

- CONTACT THE RUTHERFORD COUNTY HIGHWAY DEPARTMENT FOR DRIVEWAY CONNECTION REQUIREMENTS ALONG HEDGEAPPLE ROAD.
- CONTACT TDOT FOR A COMMERCIAL ENTRANCE PERMIT FOR THE PROPOSED DRIVEWAY ALONG US 231/LEBANON PIKE.

1 SITE GRADING PLAN

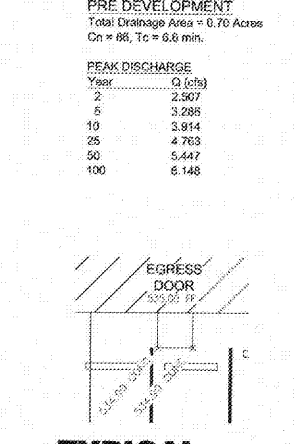
C1.1 SCALE: 1" = 20'-0"



2 HANDICAP PARKING DETAIL

C1.1 SCALE: 1" = 10'-0"

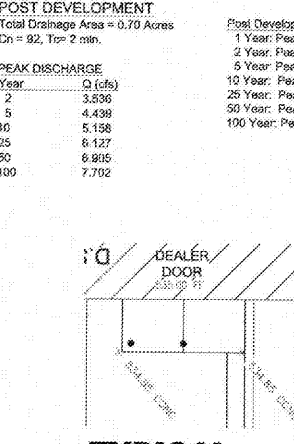
3 TYPICAL EGRESS DOOR



3 TYPICAL EGRESS DOOR

C1.1 SCALE: 1" = 10'-0"

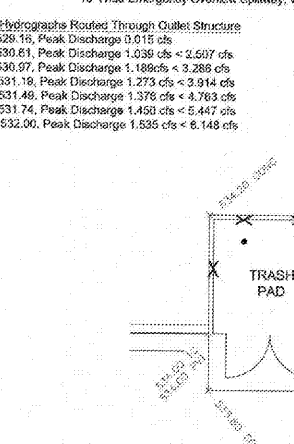
4 TYPICAL DEALER DOOR



4 TYPICAL DEALER DOOR

C1.1 SCALE: 1" = 10'-0"

5 TYPICAL TRASH PAD



5 TYPICAL TRASH PAD

C1.1 SCALE: 1" = 10'-0"

BTW BACON FARMER WORKMAN
ENGINEERING & TESTING, INC.
1115 SOUTHWEST 20TH AVE
SPRINGFIELD, MO 65704
417.882.2874
FAX: 417.882.2875
www.btwengineering.com

Order Plans @ WWW.LDILLING.COM