

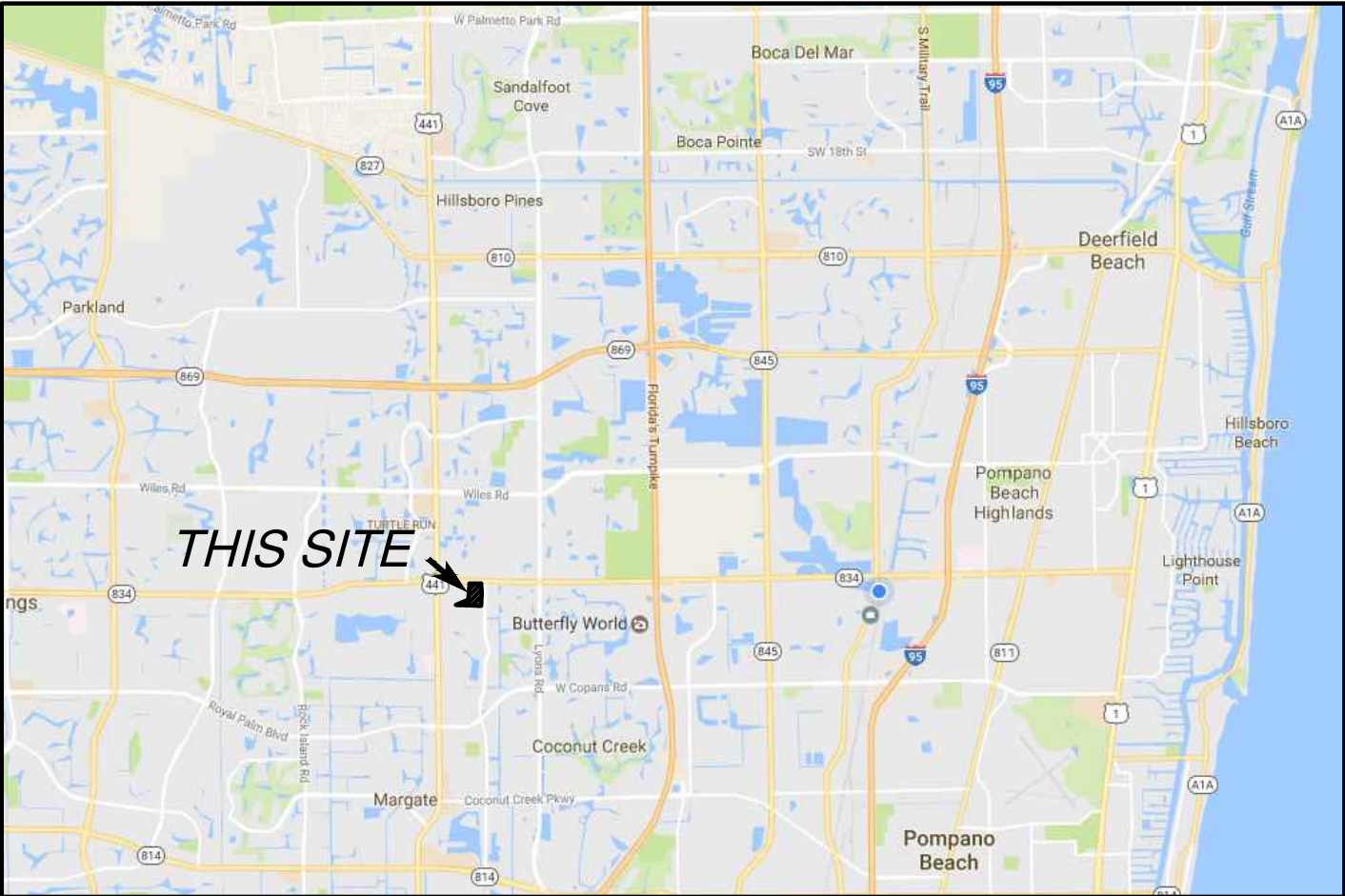
JM LEXUS

PARKING GARAGE AND CAR WASH

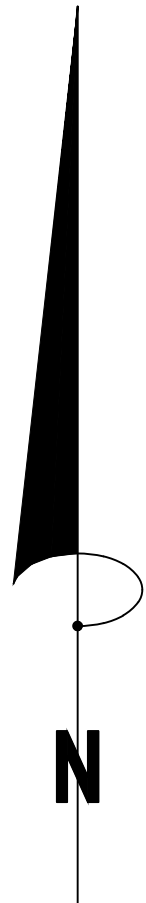
MARGATE, BROWARD COUNTY, FLORIDA

GENERAL NOTES:

1. THE LOCATION OF ALL EXISTING UTILITIES ON THE PLAN IS APPROXIMATE. THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXISTING UTILITIES TO BE CONNECTED SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW REDESIGN BY THE ENGINEER IF SUCH UTILITIES ARE FOUND TO BE DIFFERENT THAN SHOWN ON THESE PLANS.
2. THE CONTRACTOR SHALL PROTECT ALL UTILITIES AND OTHER IMPROVEMENTS SHOWN ON THESE PLANS AND OTHER UTILITIES AND OTHER IMPROVEMENTS NOT SHOWN. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR REPAIRS OF UTILITIES AND OTHER IMPROVEMENTS DAMAGED DURING CONSTRUCTION, AND SHALL MAINTAIN SUFFICIENT PROTECTION TO ALL UTILITIES REQUIRED TO PROTECT THEM FROM DAMAGE AND TO PROTECT THE PUBLIC DURING CONSTRUCTION.
3. CONTRACTOR SHALL CONTACT THE CITY OF MARGATE ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
4. CONTRACTOR SHALL NOTIFY SHAH, DROTOS & ASSOCIATES AT (954) 943-9433 AT LEAST 48 HOURS PRIOR TO COMMENCING CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY FLORIDA POWER & LIGHT CO., SOUTHERN BELL TELEPHONE CO., THE LOCAL WATER AND SEWER UTILITY COMPANIES AND ANY OTHER UTILITY COMPANY WHICH MAY HAVE THEIR UTILITIES WITHIN THE CONSTRUCTION AREAS BEFORE BEGINNING CONSTRUCTION.
6. A PRE-CONSTRUCTION MEETING IS TO BE HELD BETWEEN THE CITY OF MARGATE, FLORIDA DEPARTMENT OF TRANSPORTATION (IF APPLICABLE), ENGINEER OF RECORD AND CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.
7. THE CONTRACTOR MUST NOTIFY THE CITY OF MARGATE UTILITIES DEPARTMENT AND F.D.O.T. 48 HOURS PRIOR TO TYING INTO ANY EXISTING STRUCTURES AND HAVE AN INSPECTOR PRESENT.
8. PLANS AND SPECIFICATIONS REQUIRE THAT COMPACTED BACKFILL BE PLACED ALONG SIDE OF AND OVER ALL UTILITIES. THE ENGINEER MAY REQUIRE THAT COMPACTION TESTS BE TAKEN TO VERIFY BACKFILL COMPACTION. THE COSTS OF SUCH COMPACTION TESTS WILL BE BORNE BY THE CONTRACTOR.
9. ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988.
10. THE SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND INSTALLATIONS OF EVERY KIND (INCLUDING SPRINKLERS) SHALL BE PLACED BENEATH THE PAVEMENT AND ITS EDGE PRIOR TO THE CONSTRUCTION OF PAVEMENT. THE PAVEMENT SHALL NOT BE CUT WITHOUT PRIOR APPROVAL OF THE ENGINEER.
11. ALL MATERIALS AND CONSTRUCTION WITHIN THE D.O.T. R/W SHALL CONFORM TO THE D.O.T. "DESIGN STANDARDS" (LATEST EDITION) AND "STANDARDS SPECIFICATIONS" (LATEST EDITION)
12. ALL LABOR, MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY THE CITY OF MARGATE UTILITIES DEPARTMENT AND THE PLANS AND CONSTRUCTION SPECIFICATIONS. WHERE CONFLICTS OR OMISSIONS EXIST, THE CITY OF MARGATE UTILITIES DEPARTMENT STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
13. CONSTRUCTION INSPECTION WILL BE PERFORMED BY THE ENGINEER AND IS REQUIRED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION, AND AT LEAST 48 HOURS BEFORE REQUIRING INSPECTION OF EACH AND EVERY PHASE OF WORK.
14. CONSTRUCTION SURVEYING WILL BE PERFORMED BY THE ENGINEER OR SURVEYORS DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL CONTACT THE SURVEYOR NOT LESS THAN 48 HOURS BEFORE THE SURVEYORS ARE NEEDED ON-SITE TO STAKE OUT ANY PHASE OF WORK. THE CONTRACTOR SHALL ASSUME THE RESPONSIBILITY OF PROTECTING ALL SURVEY STAKES AND MONUMENTS. REPLACEMENT COSTS OF ALL RESTAKES SHALL BE BORNE BY THE CONTRACTOR.
15. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION.
16. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. THE DRAWINGS WILL THEN BE FORWARDED TO, THE CITY OF MARGATE UTILITIES DEPARTMENT AND ENGINEERING DEPARTMENT.
17. THE CONTRACTOR MUST CALL BROWARD COUNTY TRAFFIC ENGINEERING DEPARTMENT AT 954-484-9600 AT LEAST 48 HOURS BEFORE ANY EXCAVATION WITHIN THE D.O.T. R/W TO DETERMINE THE LOCATION OF THE EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE.
18. AT THE END OF EACH WORK PERIOD, ANY DROP-OFF IN THE AREA ADJACENT TO THE TRAVEL WAY OF THE STATE ROAD SHALL BE BACKFILLED IN ACCORDANCE WITH STANDARD INDEX 600 OR SHALL BE OTHERWISE PROTECTED WITH TEMPORARY BARRIER WALL AT THE CONTRACTOR EXPENSE.
19. THE CONSULTANT'S ENGINEER RESPONSIBLE FOR CONSTRUCTION INSPECTION SHALL INSURE THAT THE MAINTENANCE OF TRAFFIC FOR THE PROJECT CONFORMS WITH STANDARD INDEX SERIES 600, APPLICABLE INDEX WORK BEING PERFORMED.
20. ALL MOT SIGNS SHALL BE POST MOUNTED AND LANE CLOSURE SIGNS SHALL BE COVERED WHEN LANES ARE NOT CLOSED. NO LANES CLOSURES ARE ALLOWED BETWEEN 7:00 AM AND 9:00 AM OR BETWEEN 4:00 PM AND 6:00 PM., PEAK TRAFFIC HOURS.



LOCATION MAP
N.T.S.



INDEX OF SHEETS

CIVIL

- CE1 COVERSHEET
CE2 SITE AND PAVING PLAN
CE3 GRADING AND DRAINAGE PLAN
CE4 WATER AND SEWER PLAN

CALL 48 HOURS
BEFORE YOU DIG

IT'S THE LAW!
1-800-432-4770

Sunshine State One Call of Florida, Inc.

NOTES:
1. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES THAT HAVE FACILITIES WITHIN THE PROJECT AREA.
2. THE ABOVE NOTICE SHALL APPEAR ON THE COVER SHEET OF ALL CONSTRUCTION PLANS SUBMITTED TO THE COUNTY.

SDA SHAH
DROTOS
& ASSOCIATES

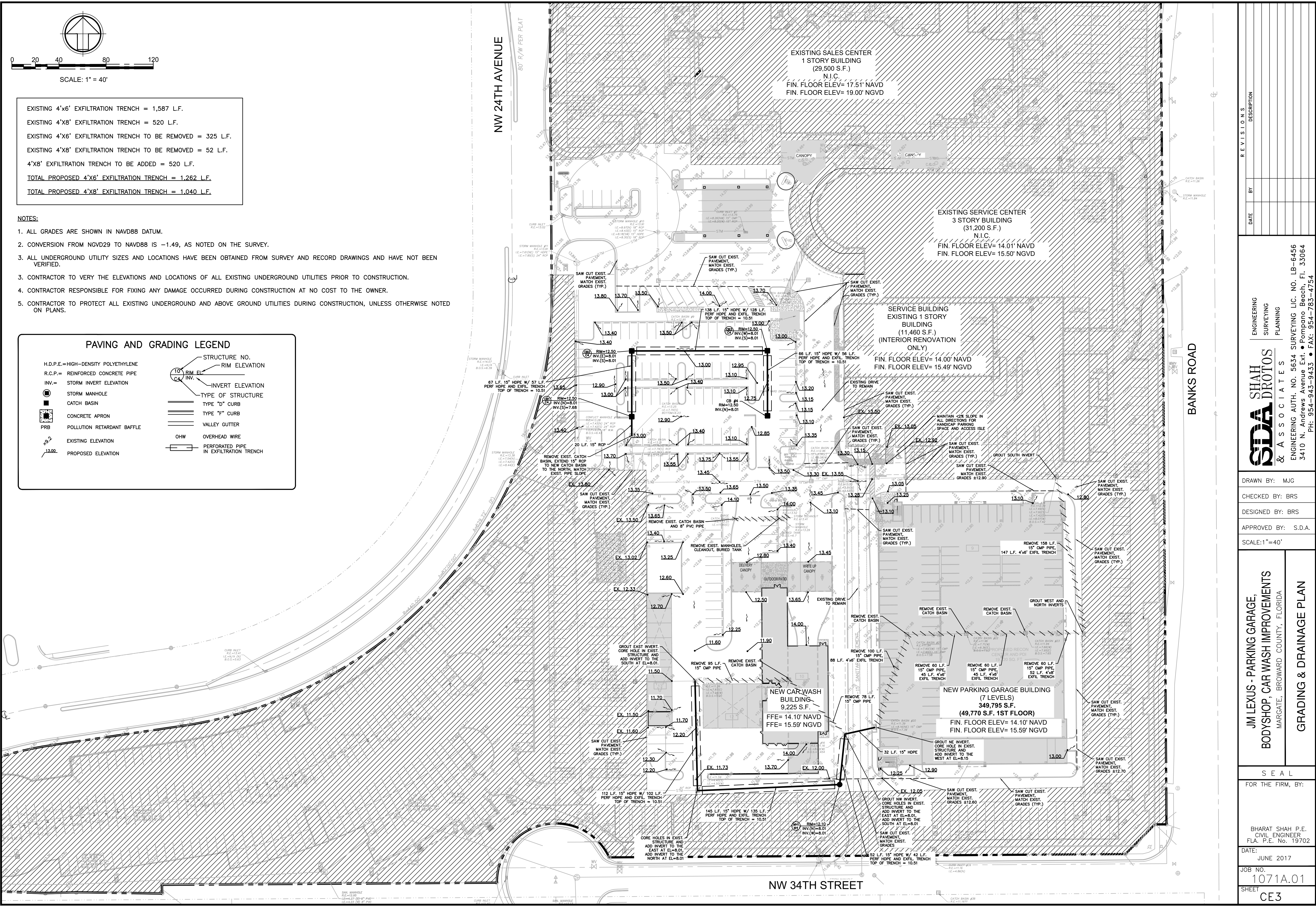
ENGINEERING • SURVEYING • PLANNING

3410 NORTH ANDREWS AVENUE EXT., POMPAÑO BEACH, FL 33064
PH: 954-943-9433 • FAX: 954-783-4754

1071A.01

FOR THE FIRM, BY:

BHARAT SHAH P.E.
CIVIL ENGINEER
FLA. P.E. No. 19702



EXISTING 4'x6' EXFILTRATION TRENCH = 1,587 L.F.
EXISTING 4'x8' EXFILTRATION TRENCH = 520 L.F.
EXISTING 4'x6' EXFILTRATION TRENCH TO BE REMOVED = 325 L.F.
EXISTING 4'x8' EXFILTRATION TRENCH TO BE REMOVED = 52 L.F.
4'x8' EXFILTRATION TRENCH TO BE ADDED = 520 L.F.
TOTAL PROPOSED 4'x6' EXFILTRATION TRENCH = 1,262 L.F.
TOTAL PROPOSED 4'x8' EXFILTRATION TRENCH = 1,040 L.F.

- NOTES:
1. ALL GRADES ARE SHOWN IN NAVD88 DATUM.
 2. CONVERSION FROM NGVD29 TO NAVD88 IS -1.49, AS NOTED ON THE SURVEY.
 3. ALL UNDERGROUND UTILITY SIZES AND LOCATIONS HAVE BEEN OBTAINED FROM SURVEY AND RECORD DRAWINGS AND HAVE NOT BEEN VERIFIED.
 3. CONTRACTOR TO VERY THE ELEVATIONS AND LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
 4. CONTRACTOR RESPONSIBLE FOR FIXING ANY DAMAGE OCCURRED DURING CONSTRUCTION AT NO COST TO THE OWNER.
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PAVING AND GRADING LEGEND

- H.D.P.E.=HIGH-DENSITY POLYETHYLENE
R.C.P.= REINFORCED CONCRETE PIPE
INV.= STORM INVERT ELEVATION
STORM MANHOLE
CATCH BASIN
CONCRETE APRON
PRB POLLUTION RETARDANT BAFFLE
EXISTING ELEVATION
PROPOSED ELEVATION
- STRUCTURE NO.
RIM ELEVATION
INVERT ELEVATION
TYPE OF STRUCTURE
TYPE "D" CURB
TYPE "F" CURB
VALLEY GUTTER
OHW OVERHEAD WIRE
PERFORATED PIPE IN EXFILTRATION TRENCH

REVISIONS	
DATE	DESCRIPTION

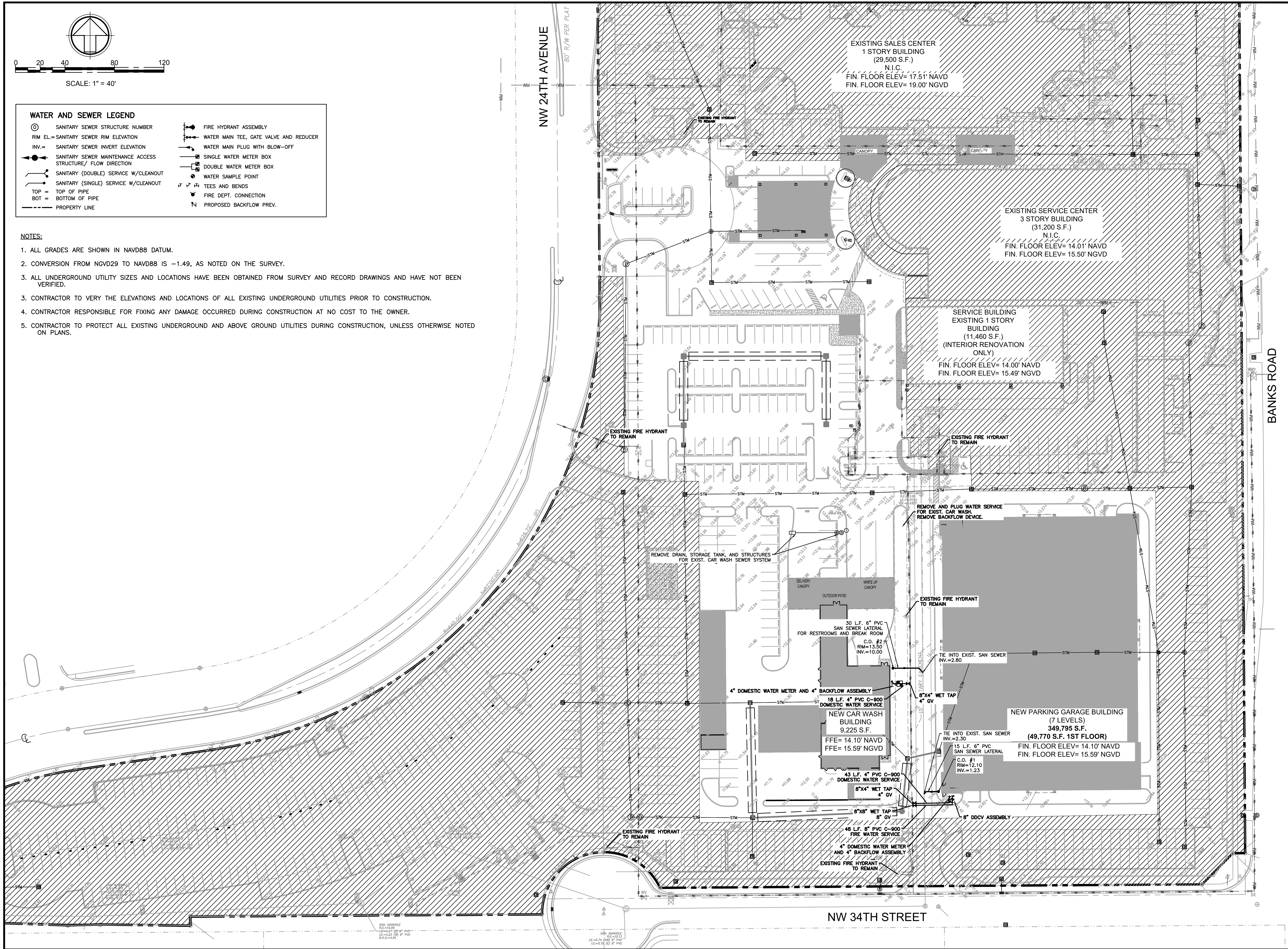
ENGINEERING SURVEYING PLANNING
SHAH DROTOS & ASSOCIATES
ENGINEERING AUTH. NO. 5634 SURVEYING LIC. NO. LB-6456
3410 N. Andrews Avenue Ext. • Pompano Beach, FL 33064
PH: 954-943-9433 • FAX: 954-783-4754

DRAWN BY: MJG
CHECKED BY: BRS
DESIGNED BY: BRS
APPROVED BY: S.D.A.
SCALE: 1"=40'

JM LEXUS - PARKING GARAGE,
BODY SHOP, CAR WASH IMPROVEMENTS
MARGATE, BROWARD COUNTY, FLORIDA
GRADING & DRAINAGE PLAN

SEAL
FOR THE FIRM, BY:
BHARAT SHAH P.E.
CIVIL ENGINEER
FLA. P.E. No. 19702
DATE: JUNE 2017
JOB NO. 1071A.01
SHEET CE3

X:\Cad\Eng\1071A.01 JM LEXUS - PARKING GARAGE, BODY SHOP, CAR WASH\Water and Sewer\1071 WS PLAN.dwg
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WATER AND SEWER LEGEND

- | | |
|---|--|
| ① SANITARY SEWER STRUCTURE NUMBER | ● FIRE HYDRANT ASSEMBLY |
| RIM EL.= SANITARY SEWER RIM ELEVATION | — WATER MAIN TEE, GATE VALVE AND REDUCER |
| INV.= SANITARY SEWER INVERT ELEVATION | — WATER MAIN PLUG WITH BLOW-OFF |
| — SANITARY SEWER MAINTENANCE ACCESS STRUCTURE/ FLOW DIRECTION | □ SINGLE WATER METER BOX |
| — SANITARY (DOUBLE) SERVICE W/CLEANOUT | □ DOUBLE WATER METER BOX |
| — SANITARY (SINGLE) SERVICE W/CLEANOUT | ● WATER SAMPLE POINT |
| ● TOP OF PIPE | — TEES AND BENDS |
| ● BOT = BOTTOM OF PIPE | ● FIRE DEPT. CONNECTION |
| --- PROPERTY LINE | — PROPOSED BACKFLOW PREV. |

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REVISIONS	
DATE	DESCRIPTION

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SURVEYING
PLANNING
**SHAH
& DROTOS**
& ASSOCIATES

ENGINEERING AUTH. NO. 5634 SURVEYING LIC. NO. LB-6456
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JM LEXUS - PARKING GARAGE,
BODYSHOP, CAR WASH IMPROVEMENTS
MARGATE, BROWARD COUNTY, FLORIDA
WATER AND SEWER PLAN

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