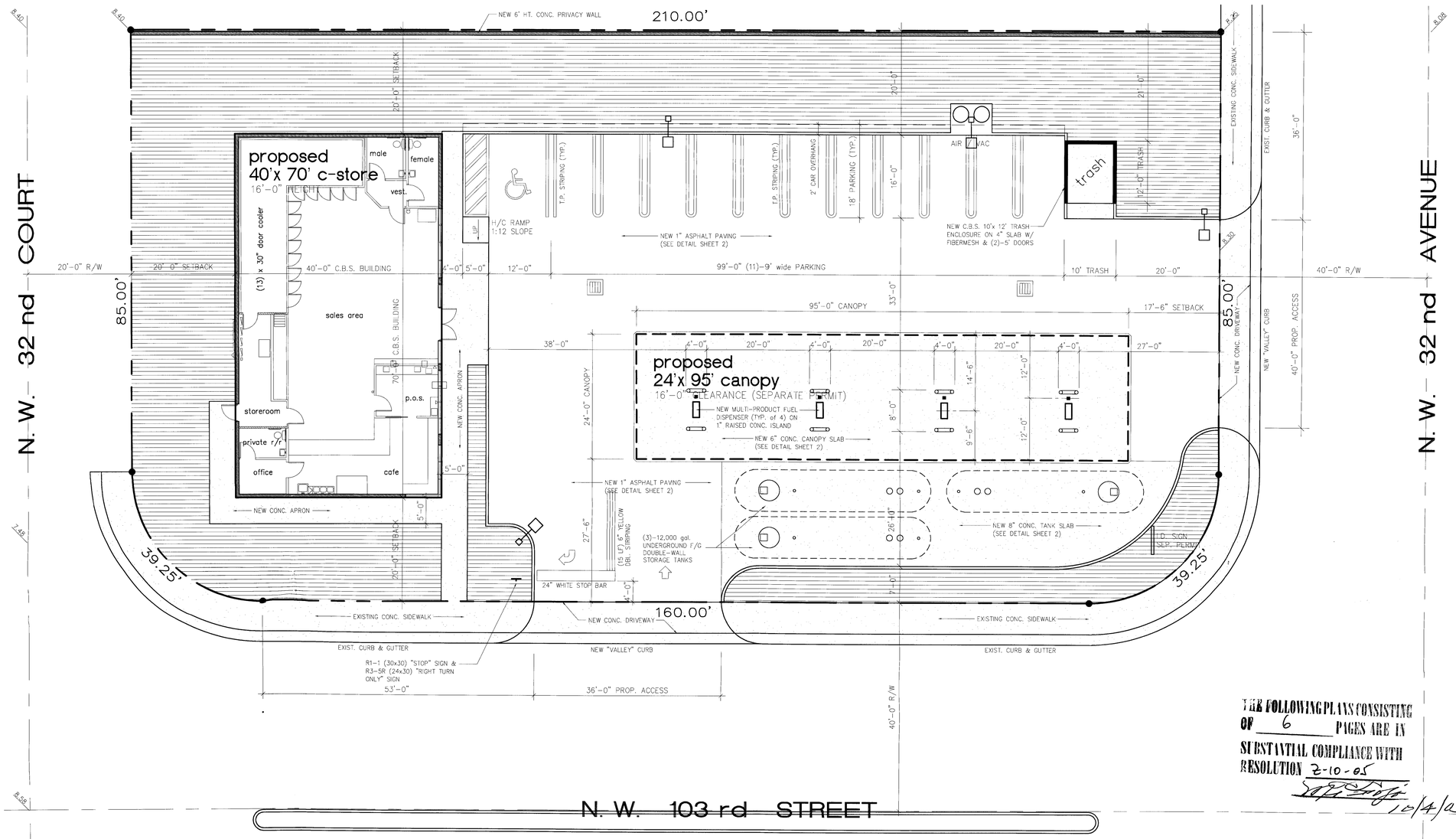

SITE PLAN

scale: 1"=10'-0"

THE FOLLOWING PLANS CONSISTING OF 6 PAGES ARE IN SUBSTANTIAL COMPLIANCE WITH RESOLUTION Z-10-05

10/4/05

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LEGAL DESCRIPTION:

LOT 12, LESS THE SOUTH 15 FEET AND EAST 5 FEET FOR RIGHT OF WAY AND LOTS 13 & 14, LESS THE SOUTH 15 FEET FOR RIGHT OF WAY, BLOCK 13, ACME GULFAIR 2nd ADDITION, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 44, PAGE 68, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

SITE CALCULATIONS:

ZONING :	BU-1A
TOTAL AREA :	22,832 sq. ft. (0.52 acre)
R/O/W :	0 sq. ft.
NET AREA :	22,832 sq. ft. (0.52 acre)
IMPERVIOUS AREA :	14,862 sq. ft. (65.1%)
PERVIOUS (GREEN) AREA :	7,970 sq. ft. (34.9%)
TOTAL FLOOR AREA :	2,800 sq. ft.
FLOOR TO LOT AREA RATIO :	12.3 %
PARKING REQUIRED :	2,800 sf x 1/250 = 11.2
PARKING PROVIDED :	12 (incl. 1-H/C space)

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A.M. PASCUAL, P.E. Civil: 46747

Date: 09/06/05
By: JES
Chk:
Scale: 1"=10'-0"
Job No: 562
Rev: Date:

N.W. 103 STREET PETROLEUM DEVELOPERS, LLC

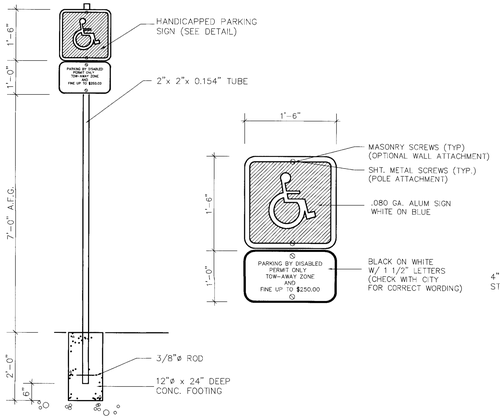
MIAMI-DADE COUNTY, FLORIDA

N/W/C of N.W. 103rd STREET and 32nd AVENUE.

SITE PLAN

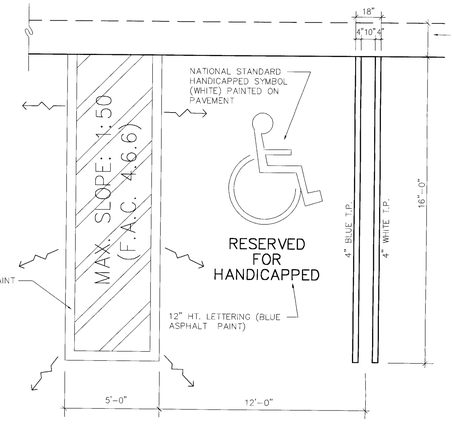
1

OF



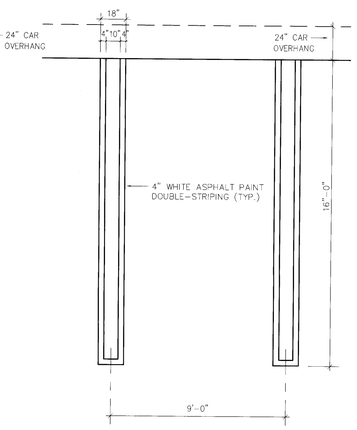
HANDICAPPED PARKING SIGN

N.T.S.



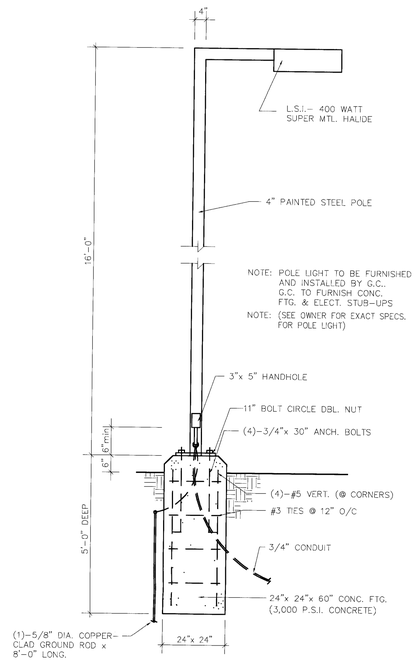
HANDICAPPED PARKING DETAIL

NOT TO SCALE (TYPICAL)



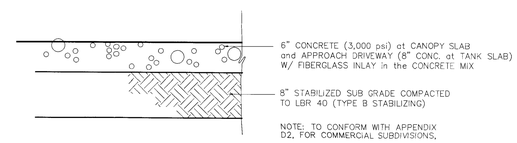
PARKING DETAIL

NOT TO SCALE



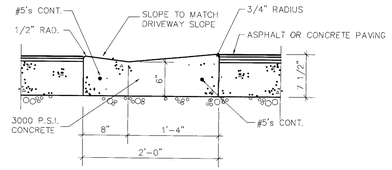
FLOODLIGHT BASE DETAIL

SCALE: 1/2"=1'-0"



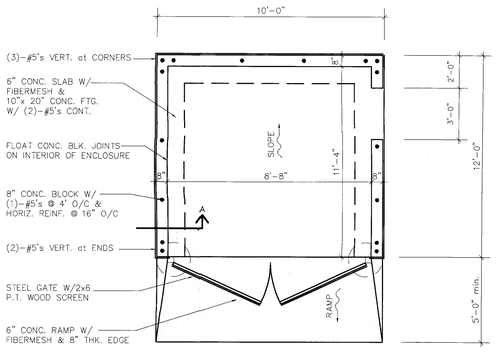
TYPICAL CONCRETE PAVING SECTION

N.T.S.

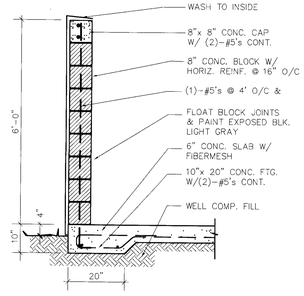


CONCRETE DRIVEWAY "VALLEY" CURB R/W

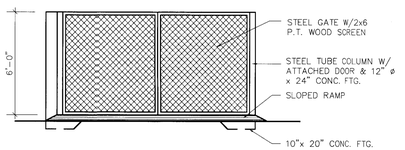
SCALE: 1" = 1'-0"



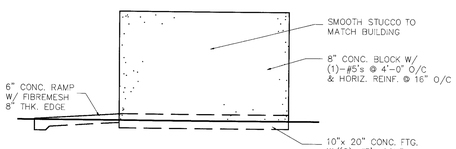
PLAN VIEW



SECTION A



FRONT ELEVATION



SIDE ELEVATION

TRASH ENCLOSURE DETAILS

N.T.S.

4" x 4" STEEL POLE

MATERIAL:	STEEL
NOMINAL HT.(FT):	16.0
OUTSIDE DIMENSION:	4.00 INCHES
WALL THICKNESS:	0.120 INCHES
HAND-HOLE SIZE:	2.000 INCHES
CRITICAL SECTION:	AT HAND-HOLE
SECTION MODULUS AT CRITICAL SECTION:	1.286 INCH CUBE
YIELD STRESS	46.0 KSI
MAX. LUM. WEIGHT:	100.0 LBS.
ALLOWABLE BENDING STRESS (KSI):	36.79
ALLOWABLE AXIAL STRESS (KSI):	6.43
ALLOWABLE MOMENT (FT-KIPS):	3.88

WIND PRESSURES ARE CALCULATED BASED ON SBC CODES.
WIND DESIGN COASTAL AREA WITH 110 MPH.
DESIGN LOAD: 35 PSF
GUST FACTOR: 1.3
FACTORED LOAD: 45.5 PSF

M (LIGHT) = 1.34 sq.ft. x 45.5 PSF x 15.67 ft. = 955.4 P-FT

M (BRACKET) = 1.00 sq.ft. x 45.5 PSF x 15.83 ft. = 720.3 P-FT

M (POLE) = 5.28 sq.ft. x 45.5 PSF x 8.0 ft. = 1,912.9 P-FT

M (TOTAL) = 955.4 + 720.3 + 1,912.9 = 3,588.6 P-FT = 3.59 K-FT

CONCRETE FOOTING

SUBJECT: 24" x 24" x 5'-0" DEEP (B.F.G.) FOOTING
OVERTURNING MOMENT: 3,588.6 P-FT

FOOTING SOIL PRESSURE:

P = TOTAL (AREA X WIND LOAD)
= (1.34 + 1.00 + 5.28) x 45.5 PSF
= 346.7 #

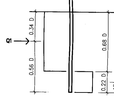
h = M/P = 3,588.6 P-FT / 346.7 #
= 10.35 ft.

Q1 = P (H + D) / 0.56 D
= 346.7 (10.35 + 4) / 0.56 (4)
= 2,221.04 #

S1 = Q1 / W (0.68 D)
= 2,221.04 # / 2.5 (0.68) 4
= 326.62 PSF < 1500 PSF (SOIL PRESSURE)

Q2 = Q1 - P
= 2,221.04 # - 346.7 #
= 1,874.34 #

S2 = Q2 / W (0.22 D)
= 1,874.34 # / 2.5 (0.22) 4
= 851.97 PSF < 1500 PSF (SOIL PRESSURE)



OVERTURNING MOMENT DIAGRAM

ANCHOR BOLTS

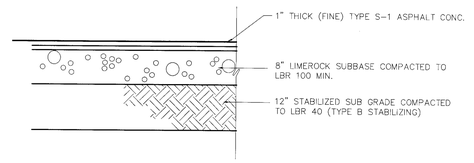
ALLOWABLE TENSION STRESS: 19.1 KSI (A-36)

P = M/e = 3.59 K-FT (12"/FT) / 4" = 10.77 KIPS (5.4 KIPS per BOLT)

f_y (ACTUAL) = P/A = 10.77 K / (0.75"/2)^2 (PI) = 13.71 KSI < 19.1 KSI

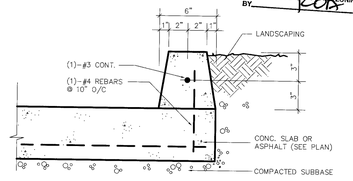
DEVELOPMENT LENTGH (AC): L = 0.0004 d_b f_y = .0004 (0.75) 40,000
= 12" < USING 18" long J-BOLTS

FLOODLIGHT CALCULATIONS



TYPICAL PAVING SECTION

N.T.S.



EXTRUDED CONC. CURB

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Date: 09/06/05
By: JES
Chk:
Scale: as noted
Job No: 562

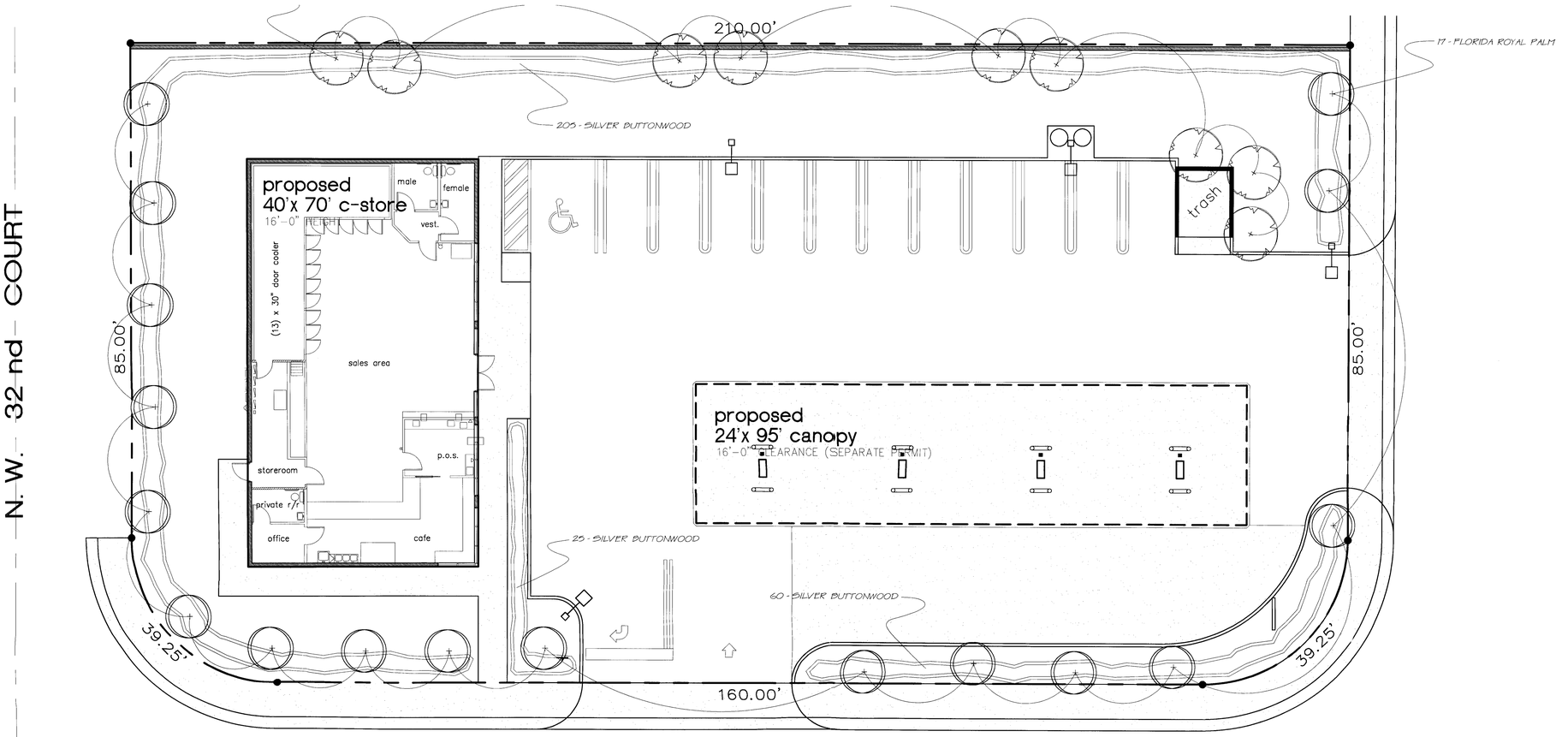
Rev:	Date:

SITE DETAILS

N.W. 103 STREET PETROLEUM DEVELOPERS, LLC

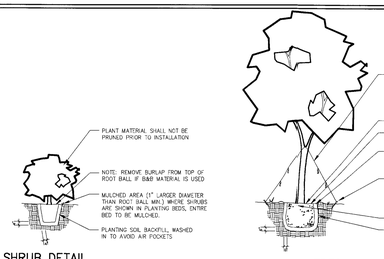
N/W/C of N.W. 103rd STREET and 32nd AVENUE,
MIAMI-DADE COUNTY, FLORIDA

2 OF



LANDSCAPING PLAN

scale: 1"=10'-0"



SHRUB DETAIL N.T.S.

TREE DETAIL N.T.S.

PROPOSED PLANT MATERIAL LIST

QUANTITY	SCIENTIFIC NAME	COMMON NAME	DESCRIPTION
17	ROYSTONE ELATA	FLORIDA ROYAL PALM	14' O.A. HT., 4' GREY WOOD, F.G. / B&B
9	TABELUIA CARAIBA	YELLOW TRUMPET TREE	10' HT., 6' SPRD., F.G.
9	CORNOCARPUS ERECTUS "SERICEUS"	SILVER BUTTONWOOD	24' HT. X 24" SPRD., 3 GAL.
AS REQ'D.	ST. AUGUSTINE FLORATAM	ST. AUGUSTIN GRASS	SOLID EVEN SOD

GENERAL NOTES

1. ALL LANDSCAPE AREAS SHALL BE IRRIGATED USING AN AUTOMATIC IRRIGATION SYSTEM PROVIDING 100% COVERAGE WITH A 50% OVERLAP. NO OVERSPRAY ALLOWED OUTSIDE PERVIOUS AREAS.
2. ALL LANDSCAPING SHALL BE INSTALLED AS PER CODE REQUIREMENTS OF THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN (AAN).
3. ALL PLANT MATERIALS TO BE FLORIDA NO. 1 OR BETTER AS PER "GRADES & STANDARDS FOR NURSERY PLANTS."
4. ALL GRASS SHALL BE CLEAN SOD FREE OF WEEDS. SOD SHALL BE LAID IN A GOOD WORKMANLIKE MANNER.
5. ALL PLANTING BEDS TO HAVE A MINIMUM 3" MULCH COVERAGE.
6. ALL PLANTS TO BE MAINTAINED ACCORDING TO CODE REQUIREMENTS. SIGHT TRIANGLES MUST BE KEPT CLEAR.
7. ALL TREES TO BE STAKED IN A GOOD WORKMANLIKE MANNER.
8. ALL SOD AREAS TO BE TOP DRESSED WITH 2" TOPSOIL.
9. ALL PLANT MATERIALS TO BE FERTILIZED UPON INSTALLATION.
10. ALL PLANTING IS TO BE COMPLETED WITHIN THIRTY DAYS OF SUBSTANTIAL COMPLETION OF SITE CONSTRUCTION.
11. ALL PLANTING SHALL INCLUDE SOIL AMENDMENTS TO IMPROVE PERMIABILITY AND DRAINAGE. NO PLANTS IN LOW AREAS.
12. TREES AND SHRUBS TO BE LOWER THAN 30" OR HIGHER THAN 6' IN SIGHT TRIANGLES TO REDUCE TRAFFIC HAZARDS.
13. LANDSCAPE MATERIALS PLANTED ADJACENT TO CURBING SHALL BE PLANTED 3' BACK FROM FACE OF THE CURBS.
14. TREES PLANTED WITHIN UTILITY EASEMENTS SHALL NOT CONFLICT WITH EXISTING OR PROPOSED UTILITY LINES OR SERVICES. COORDINATE WITH THE PUBLIC WORKS DIVISION.
15. LANDSCAPE ISLANDS AND THE TERMINUS OF PARKING ROWS SHALL BE CURBED TO PREVENT VEHICULAR ENCROACHMENT.
16. USE A ROOT BARRIER SYSTEM WHEN TREES ARE PLACED WITHIN 6' OF ANY PUBLIC INFRASTRUCTURE.

OPEN SPACE			MIN. REQ.	PROVIDED
OPEN SPACE	18% of NET AREA (between 1 - 5 ACRES)	22,832 sf x 0.18	4,110 S.F.	7,970 S.F. (34.9%)
TREES	**REQ. SPACING or AMOUNT**	**ACTUAL MEASUREMENTS**	**MIN. REQ.**	**PROVIDED SPECIES**
STREET	1:35 (ALONG NW 103rd ST.)	(±210'-36'access)=174'	5.0	9 ROYAL PALMS
	1:35 (ALONG NW 32nd AVE.)	(85'-40'access)=45'	1.3	3 ROYAL PALMS
	1:35 (ALONG NW 32nd CT.)	85'	2.4	5 ROYAL PALMS
ON-SITE	2.3 PER ACRE	0.52 ACRE	12.0	17 ROYAL PALMS 9 YLW. TRMPT. TREES 26 TREES provided
NATIVES	30% required	26 trees X 30%	7.8	26 (100%) (19 GEIGER TREES, 12 GUMBO LIMBO)
SHRUBS				
ON-SITE	11 per TREE	26 TREES x 11	286 SHRUBS req.	290 SLVR. BUTTONWOOD
NATIVES	30% of SHRUBS	30% x 290	87 SHRUBS	290 SLVR. BUTTONWOOD

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Date: 09/06/05
By: JES
Chk:
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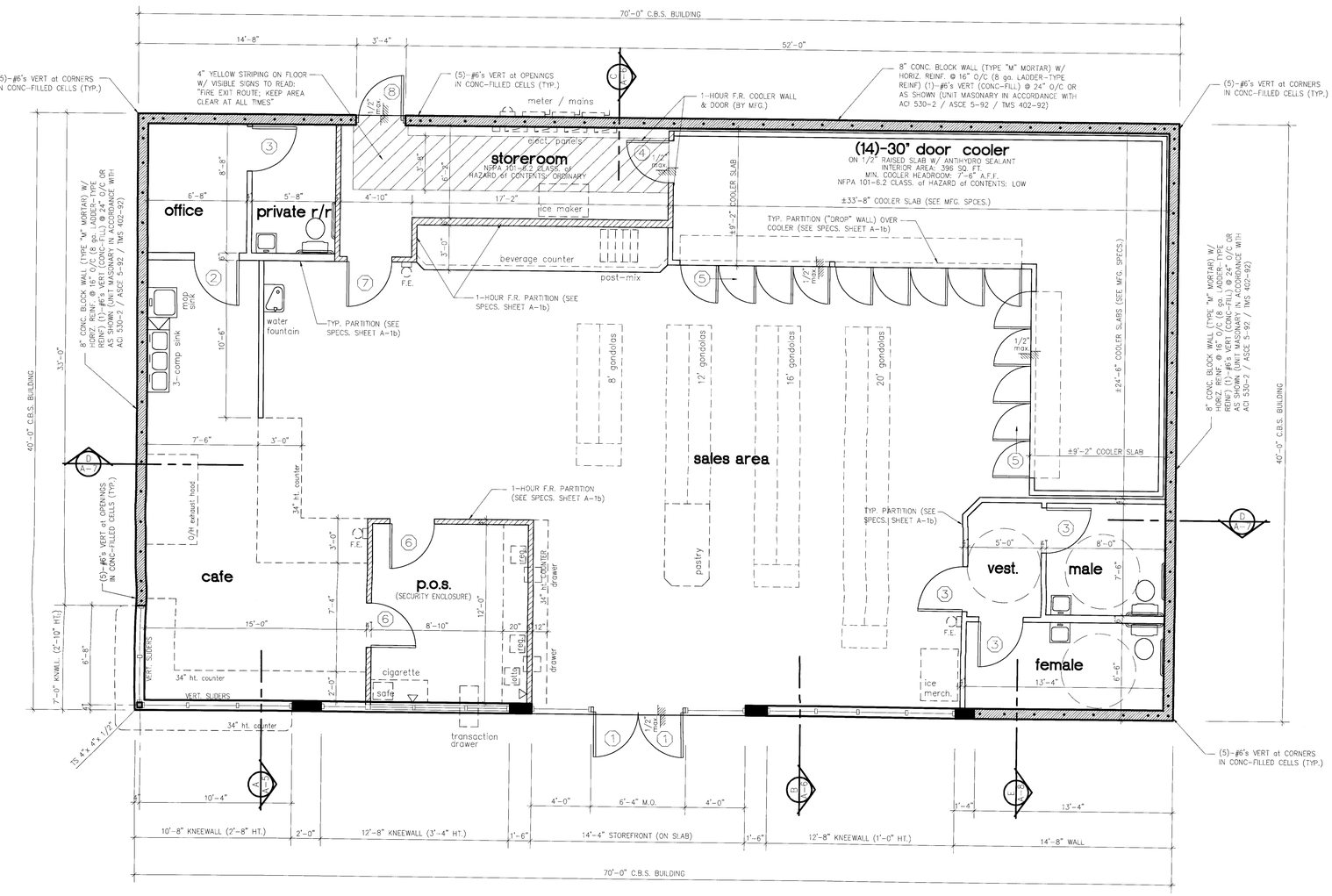
Rev:	Date:

LANDSCAPING PLAN

N.W. 103 STREET PETROLEUM DEVELOPERS, LLC

N/W/C of N.W. 103rd STREET and 32nd AVENUE,
MIAMI-DADE COUNTY, FLORIDA

LS-1
OF



FLOOR PLAN

scale: 1/4"=1'-0"

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fax: 305 235-7291

EGN, INC
ENGINEERING
A.M. PASCUAL, P.E. Civil: 46747

Date: 07/10/05
By: JES
Chk:
Scale: 1/4" =1'-0"
Job No: 557

Rev:	Date:

N.W. 103 STREET PETROLEUM DEVELOPERS, LLC

MIAMI-DADE COUNTY, FLORIDA

N/W/C of N.W. 103rd STREET and 32nd AVENUE.

FLOOR PLAN

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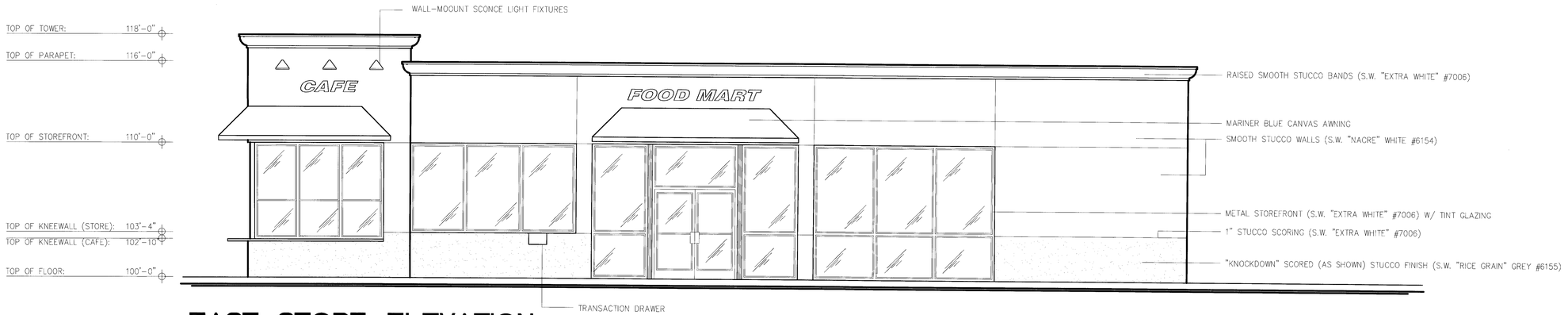
NOTES:

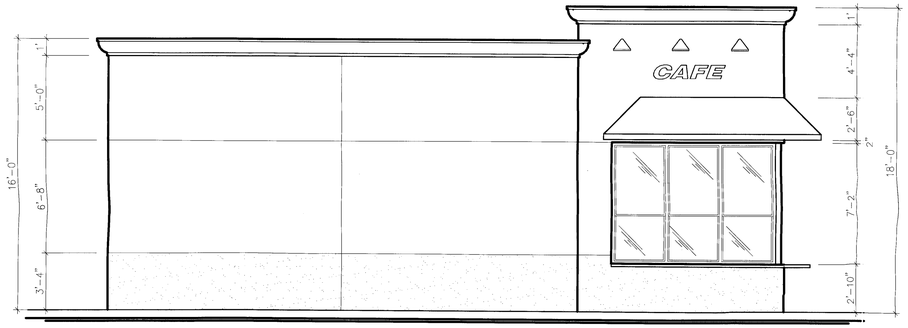
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OR RELOCATION OF GAS LINES IN THE PATH OF CONSTRUCTION

- TAKE-OUT FOOD SERVICE ONLY. NO CONSUMPTION OF FOOD OR BEVERAGES ON PREMISES. NO TABLES OR COUNTERS PERMITTED.



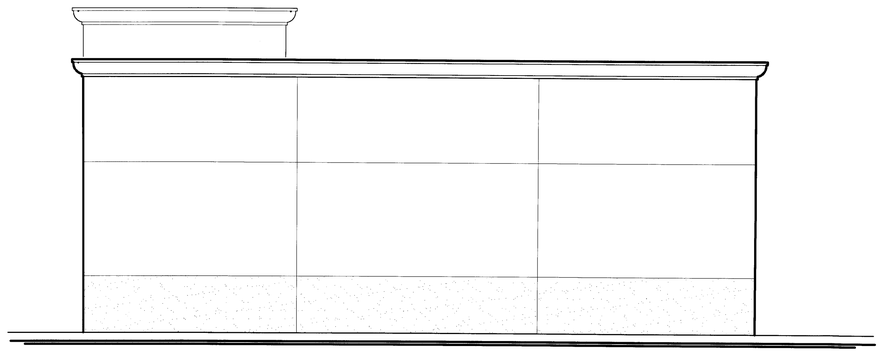
EAST STORE ELEVATION

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



SOUTH STORE ELEVATION

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



NORTH STORE ELEVATION

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

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beeper: 305 715-8007
fax: 305 253-7291

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ENGINEERING
A.M. PASCUAL, P.E. Civil: 46747

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EXTERIOR ELEVATIONS

N.W. 103 STREET PETROLEUM DEVELOPERS, LLC

N/W/C of N.W. 103rd STREET and 32nd AVENUE, MIAMI-DADE COUNTY, FLORIDA

A-2

OF