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CHRISTINE MOSELEY SHIKER
202-457-7167

Internet Address:
cmshiker@hklaw.com

June 20, 2001

VIA HAND DELIVERY
D.C. Board of Zoning Adjustment
Suite 210
441 4th Street, N.W.
Washington, D.C. 20001
ATTN: Rick Nero

Re: Board of Zoning Adjustment Case No. 16753
Application for Special Exception
Square 5539, Lot 840

Dear Members of the Board:

Enclosed please find twelve (12) copies of revised plans and elevations for the above-referenced Board of Zoning Adjustment case. The plans originally filed on June 11, 2001, contained incorrect information. Please rely on these revised plans for all purposes for the above-referenced case.

We are prepared to answer any questions or provide such other additional information as you may require. Thank you for your attention to this application.

Sincerely,

Christy Shiker

Christine Moseley Shiker

Enclosure

cc: Charles Brooks, SBA, Inc.
Carlton Gilbert, SBA, Inc.
Cheronn Roberson, SBA, Inc.
Whayne S. Quin, Esq.

BZA
Case No. 16753
Exhibit No. 18

Board of Zoning Adjustment
District of Columbia
CASE NO.16753
EXHIBIT NO.18

06/21/2001 11:41

=== COVER PAGE ===

TO: _____

FAX: 7276072

FROM: ROBINSON ASSOCIATES

FAX: 2025290224

TEL: 2025291090

COMMENT: CONFIDENTIAL

RECEIVED
JUN 21 2001 7:58
OMBC/CAB/CAD

ROAD RUNNERS CLUB OF AMERICA

510 N. WASHINGTON STREET ▼ ALEXANDRIA, VA 22314-2583
(703) 836-0558 FAX (703) 836-4438 office@rrca.org www.rrca.org

April 9, 2001

The Honorable Anthony A. Williams
Mayor, District of Columbia
441 Fourth Street, NW, Suite 1100
Washington, DC 20001

Advisory Committee
Paul Arbonore
Jon Henderson
Dave McGillivray
Kathi Peters
Shoshana Phillips
Carol Lassiter Rice
Helen Rooney
Bill Rodgers
Lee Smith
Greg Vit
Elliot Woods

Executive Board
Frank Conte
President
Beverly Cavitt
Vice President
Jeff Hanson
Secretary/Treasurer
Eugene Moulton
Eastern Director
Scott Christopher
Southern Director
Mark Lutmin
Central Director
Fe Adams
Western Director
Mike Cook
Director At-Large
R.T. Henry
Director At-Large
Susan Harmeling
Director At-Large
John Wm. Thomas
Director At-Large

Gabriel M. Hyland, Esq.
Legal Counsel
Hayley Gabeau
Executive Director

2001 44th RRCA Convention
Albuquerque Road Runners
Albuquerque, NM
May 3 - 6, 2001

The RRCA: GRASSROOTS RUNNING IN AMERICA SINCE 1958
www.rrca.org

Dear Mayor Williams:

I am writing to express my concern about the lack of dependable wireless telephone coverage in the Ft. Dupont Park area. It poses a safety hazard to pedestrians, runners or other recreationists in the park, and I strongly support the development of telecommunications facilities that will allow cellular telephone service in the park and surrounding area. At the invitation of the United States Park Police, the Road Runners Club of America (RRCA) has been a member of a National Park Service committee, the Emergency Wireless Reporting System Committee, since the spring of 1996 to examine the problem of dead zones -- areas in the parks where there is no cellular phone reception.

The Emergency Wireless Reporting System Committee consists of US Park Police officers, National Park Service rangers, cell phone representatives, the RRCA and other outdoor exercisers and trail users. We have worked diligently to evaluate the cellular phone access in several local National Park Service districts. Runners and cyclists tested cell phones while commuting to and from work. The poor reception we found in the parks caused great concern for we want to feel safe using all parks, including ones in the District of Columbia. Unreliable cellular coverage is a public safety matter.

Wireless transmission must function properly throughout the District of Columbia to improve the ability of the public to access 911 and emergency services. During medical emergencies, we need the ability to communicate with the area hospitals, emergency medical personnel and the police. Currently, the area around Pennsylvania and Branch Avenue corridor does not have dependable cellular telecommunications. The telecommunications facilities proposed by SBA Network, Inc. for southeast Washington will give the public the necessary coverage. Competing cell phone companies are cooperating to co-locate to prevent pole proliferation.

Mayor Williams, *this* is a public safety and a healthcare issue because in an emergency the public must be able to dial health care personnel or the police and know that their calls will go through. We routinely advise runners and other outdoors exercisers to carry a cell phone for safety reasons. Therefore it is vital to know that we can dependably communicate at all times.

The RRCA joins District ambulance service providers, African Americans with Physical Disabilities and a host of health care organizations in urging your support for SBA's proposed telecommunications facility in the Penn-Branch Shopping Center.

Warm regards.

Hayley Gabeau
Executive Director

cc: Sheila Cross Reid, Chair, Board of Zoning Adjustment
Council Member Chavous

TOTAL P.01

Mayor Williams, this is a public safety and a healthcare issue because in an emergency, the public needs to communicate dependably. Consequently, we join the DC Hospital Association, District ambulance service providers, the Road Runners Club of America, and a host of health care organizations in urging your support for SBA's proposed telecommunications facility in Penn-Branch Shopping Center.

Sincerely,

Charles Kidwell
President

cc: Gentry Davis, National Park Service
Sheila Cross Reid, Board of Zoning Adjustment
Councilmember Chavous

06/21/2001 11:41 2025290224 ROBINSON ASSOCIATES PAGE 06
05/09/2001 03:52 2025290224 ROBINSON ASSOCIATES PAGE 05

FRATERNAL ORDER OF POLICE

JERRARD F. YOUNG

DISTRICT OF COLUMBIA LODGE #1

400 5th STREET, N.W., SUITE 200
202-347-2508

WASHINGTON, D.C. 20001
FAX 202-628-7620

April 16, 2001

Mayor Anthony Williams
Mayor District of Columbia
441 Fourth Street., NW Suite 1100
Washington, DC 20001

Dear Mayor Williams:

I am writing you on behalf of the Fraternal Order of Police, Jerrard F. Young Lodge in the District of Columbia regarding the citing of a wireless antennae facility near Ft. Dupont Park. We represent nearly 10,000 law enforcement officers, including over 3,200 officers from the Washington, DC Metropolitan Police Department and 600 United States Park Police. We have been concerned for some time about the inability to transmit wireless calls from the national parks located in the District including Ft. Dupont Park.

Law enforcement officials in the region rely on wireless communication capabilities to summon the proper resources and check in with other agencies for additional support. Although the US Park Police have primary jurisdiction for responding to calls for assistance coming from National Park Service grounds, multiagency coordination is often necessary to respond adequately to emergencies. The dead zones in Ft. Dupont Park make this impossible. The lack of dependable wireless telephone coverage in Ft. Dupont Park is a public safety problem that could bring tragic results.

Wireless users have become a valuable resource for law enforcement officers—helping to report crimes, dangerous drivers or medical emergencies. The emergency communications network is stronger because of wireless technology. Over 98,000 emergency calls are made on cellular phones each day. Many bikers, hikers, joggers and drivers using the park rely on their wireless phones for security. It is critical that wireless networks are seamless so that calls for help can always go through.

Mayor Williams on behalf of DC#1, I urge you to support cellular communications facilities proposed by SBA Network, Inc. for southeast Washington to improve public safety.

Sincerely,

Louis P. Cannon
President

cc: Robert Sockwell, Board of Zoning Adjustment
Councilmember Chavous

Metropolitan Police • U.S. Capitol Police • Alcohol, Tobacco & Firearms Bureau • U.S. Secret Service
National Institute of Health Police • U.S. Park Police • Federal Bureau of Investigations • Drug Enforcement Administration
Department of Corrections • U.S. Marshals Service • U.S. Customs • Metro Transit Police • Library of Congress
Department of Defense • Internal Revenue Service • Supreme Court • Metropolitan Washington Airport Authority
Immigration and Naturalization Service • Naval Investigative Service • Postal Police • Federal Protective Service • Department of Labor
U.S. Secret Service UD • Bureau of Engraving & Printing • Government Printing Office • National Zoological Police

AFRICAN AMERICANS WITH PHYSICAL CHALLENGES
19 Dunbar Place
Catonsville, MD 21228

April 2, 2001

Mayor Anthony Williams
Government of the District of Columbia
One Judiciary Square
Washington, DC 20001

The Honorable Anthony Williams:

The lack of dependable wireless telephone coverage in Ft. Dupont Park poses a health and safety hazard to motorists, pedestrians, people recreating in the park, and people with physical challenges. As District residents and people who use this park, we urge your support for the development of telecommunications facilities that will bring dependable cellular telephone service to this national park.

In 1996, members of a National Park Service committee, the Emergency Wireless Reporting System Committee, examined the problem of dead zones, areas in the park where there is no cellular phone reception. After evaluating cellular phone access in several local National Park Service districts, they found poor reception in most of the District's federal parks.

It is critical that wireless transmission function properly throughout the District of Columbia to improve the ability of the public to access 911 and emergency services. During medical emergencies, the public needs the ability to communicate with the area hospitals, emergency medical personnel and the police. Currently, Ft. Dupont and the area around Pennsylvania and Branch Avenue corridor do not have dependable cellular telecommunications. Moreover, the Metropolitan police report that there were more than 1,500 emergencies in the area last year. The nation's largest telecommunications facilities company, SBA Properties, Inc., is proposing to construct a monopole at Penn-Branch Shopping Center to correct this problem.

06/21/2001 11:41 2025290224 ROBINSON ASSOCIATES PAGE 05
05/09/2001 03:52 2025290224 ROBINSON ASSOCIATES PAGE 04

RURAL METRO AMBULANCE
5000 Frolich Lane
Tuxedo, Maryland 20781

May 17, 2001

The Honorable Anthony A. Williams
Mayor District of Columbia
441 Fourth Street, NW, Suite 1100
Washington, DC 20001

Dear Mayor Williams:

The ability to communicate effectively during patient transport is critical to providing quality medical services. While engaged in patient ambulance transport to Greater Southeast Hospital, we use dispatch telecommunications for call pick-up and cellular telephones to relate patient condition. Our ability to communicate patient condition information from the ambulance to medical personnel in the hospital is critical to quality patient care.

Unfortunately, there are areas in the Pennsylvania and Branch Avenue corridor where cellular telecommunication simply is not dependable. Calls between ambulance and hospital personnel are regularly lost and this compromises the patient care process. It is for this reason, that we urge your support for SBA Network Services, Inc.'s proposal to improve telecommunications services for southeast Washington. SBA proposes building telecommunications facilities in Penn-Branch Shopping Center to establish dependable telecommunications reception along the Pennsylvania and Branch Avenue corridor, the neighborhood and Ft. Dupont Park.

We need to be able to dependably communicate with the hospital to describe a patient's condition while in route to the hospital room. We join the Road Runners Club of America, DC ambulance service providers, African Americans with Physical Disabilities, members of the Metropolitan Police Department, and a host of health care organizations in urging your support for SBA's telecommunications facility in Penn-Branch Shopping Center. Dependable telecommunications services will enhance our ability to adequately serve patients.

Sincerely,

James Carter
Operations Manager

cc: Sheila Cross Reid, Board of Zoning Adjustment
Councilmember Chavous

Further, I understand that this application poses no environmental or health risk. Moreover, the applicant has provided for co-location to reduce the need for additional facilities in the future.

I am writing to express support for increased wireless communication coverage to protect public health. People need the ability to call for health care or police services in cases of emergency. Every minute that passes after an untreated incident decreases the likelihood that medical treatment can be effective.

For the reasons expressed herein, we hope that the Board of Zoning will approve the telecommunications facility in Penn-Branch Shopping Center. I urge your support for this application to improve telecommunications services for Southeast Washington and to move the area toward more effective health care services.

Sincerely,

Robert A. Malson
President

cc: Sheila Cross Reid, Board of Zoning Adjustment
Councilmember Kevin Chavous

bcc: Sharon Robinson
Robinson Associates

DCHA
District of Columbia
Hospital Association

1250 Eye Street, NW • Suite 700 • Washington, DC 20005-3930
Tel: 202/289-4926 • Fax: 202/288-1915 • E-mail: rmalson@dcha.org • Web: www.dcha.org

Robert A. Malson
President

April 4, 2001

The Honorable Anthony A. Williams
Mayor District of Columbia
441 Fourth Street, NW, Suite 1100
Washington, DC 20001

Re: The Application of SBA Networks, Inc. to Establish Telecommunications Facilities in Southeast Washington, DC

Dear Mr. Mayor:

The District of Columbia Hospital Association is vitally concerned about the total health care system in the District of Columbia. Our hospitals are very much aware of the importance of emergency health care and the need for immediate attention where there is acute illness, trauma, natural disasters, and societal tragedies. Our physicians are quite aware that the first hour of care after an incident, many times, is the most important opportunity for life saving treatment. For this to happen, immediate treatment and transportation have to be reached in the most expeditious manner possible. Increasingly, we are finding that communications transmissions by wireless telephones or cell phones are being used to achieve the fastest response.

I understand that SBA Network Services, Inc. is submitting an application to the Board of Zoning Adjustment for a variance to construct a telecommunications facility in the Penn-Branch Shopping Center to provide wireless communication in Ft. Dupont Park, along the Pennsylvania and Branch Avenue corridors, and other areas currently lacking reliable service. I live in the District and I know that there are picnic areas and places for people to assemble in Ft. Dupont Park and that there are no pay telephones or wireless reception in the area. In addition, I understand that police traffic analyses indicate that every day nearly 90,000 people travel the Pennsylvania and Branch Avenue corridors and that every year there are hundreds of accidents, emergencies and injuries in the park and no way to communicate quickly with emergency medical personnel last year.

I understand that EMS personnel providing ambulance services to DC General Hospital and Greater Southeast Community Hospital report that they cannot communicate with these hospitals from this area to describe a patient's condition while enroute to the hospital emergency room.

06/21/2001 11:41 2025290224 ROBINSON ASSOCIATES PAGE 02

DESCRIPTION OF WORK:

CONSTRUCT A 150' LIGHT/MONOPOLE TOWER IN A 1,403 SQ. FT ± FENCED ENCLOSURE. CONSTRUCT CONCRETE SLABS TO SUPPORT UP TO THREE FUTURE SHELTERS. CONSTRUCT AREA TO PLACE 34 x 8' TRASH COMPACTOR.

SBA

SBA PROPERTIES, INC.

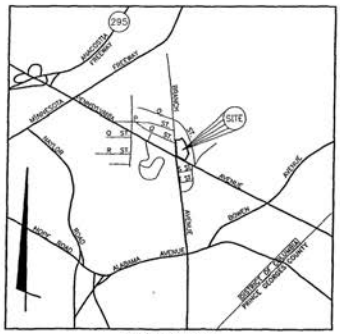
SBA JOB#DC 04116-S/0130-019

PENN-BRANCH PLAZA

3200-3244 PENNSYLVANIA AVE. S.E.

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO EXAMINE ALL PLAN SHEETS AND SPECIFICATIONS AND COORDINATE HIS WORK WITH THE WORK OF ALL OTHER CONTRACTORS TO ENSURE THAT WORK PROGRESSION IS NOT INTERRUPTED.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A NEAT AND ORDERLY SITE, YARD AND GROUNDS. REMOVE AND DISPOSE OFF SITE ALL RUBBISH, WASTE MATERIALS, LITTER, AND ALL FOREIGN SUBSTANCES. REMOVE PETRO-CHEMICAL SPILLS, STAINS AND OTHER FOREIGN DEPOSITS. RAKE GROUNDS TO A SMOOTH EVEN-TEXTURED SURFACE.
3. THE PLANS SHOW SOME KNOWN SUBSURFACE STRUCTURES, ABOVE- GROUND STRUCTURES AND/OR UTILITIES BELIEVED TO EXIST IN THE WORKING AREA, EXACT LOCATION OF WHICH MAY VARY FROM THE LOCATIONS INDICATED. IN PARTICULAR, THE CONTRACTOR IS WARNED THAT THE EXACT OR EVEN APPROXIMATE LOCATION OF SUCH PIPELINES, SUBSURFACE STRUCTURES AND/OR UTILITIES IN THE AREA MAY BE SHOWN OR MAY NOT BE SHOWN; AND IT SHALL BE HIS RESPONSIBILITY TO PROCEED WITH GREAT CARE IN EXECUTING ANY WORK. OWNER/CONTRACTOR TO CONTACT "MISS UTILITY" AT 1-800-257-7777 MINIMUM 72 HOURS PRIOR TO THE START OF CONSTRUCTION FOR LOCATION OF EXISTING UNDERGROUND UTILITIES.
4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE NOTIFIED IN WRITING OF ANY CONDITIONS THAT VARY FROM THOSE SHOWN ON THE PLANS. THE CONTRACTOR'S WORK SHALL NOT VARY FROM THE PLANS WITHOUT THE EXPRESSED APPROVAL OF THE OWNER OR OWNER'S REPRESENTATIVE.
5. THE CONTRACTOR IS INSTRUCTED TO COOPERATE WITH ANY AND ALL OTHER CONTRACTORS PERFORMING WORK ON THIS JOB SITE DURING THE PERFORMANCE OF THIS CONTRACT.
6. THE CONTRACTOR SHALL RESTORE ALL PUBLIC OR PRIVATE PROPERTY DAMAGED OR REMOVED TO AT LEAST AS GOOD OF CONDITION AS BEFORE DISTURBED AS DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE.



LOCATION MAP
(NO SCALE)

DIRECTIONS

FROM THE WHITE HOUSE: TRAVEL EAST ON PENNSYLVANIA AVE UNTIL YOU CROSS BRANCH AVENUE. SITE IS LOCATED BEHIND THE BUILDING ON THE NORTH SIDE OF PENNSYLVANIA AVENUE.

GENERAL NOTES

7. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIRED PERMITS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, AND INCURRING THE COST OF ALL REQUIRED PERMITS, INCLUDING, BUT NOT LIMITED TO, THE BUILDING PERMIT, INSPECTIONS, CERTIFICATES, ETC.
9. THE CONTRACTOR SHALL PROTECT EXISTING PROPERTY LINE MONUMENTATION. ANY MONUMENTATION DISTURBED OR DESTROYED, AS JUDGED BY THE OWNER OR OWNER'S REPRESENTATIVE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE UNDER THE SUPERVISION OF A LICENSED LAND SURVEYOR.
10. ALL TRENCH EXCAVATION AND ANY REQUIRED SHEETING AND SHORING SHALL BE DONE IN ACCORDANCE WITH OSHA REGULATIONS FOR CONSTRUCTION.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING AND THE MAINTENANCE OF SURFACE DRAINAGE DURING THE COURSE OF WORK.
12. ALL UTILITY WORK INVOLVING CONNECTIONS TO EXISTING SYSTEMS SHALL BE COORDINATED WITH THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER. NOTIFY THE OWNER OR OWNER'S REPRESENTATIVE AND THE UTILITY OWNER BEFORE EACH AND EVERY CONNECTION TO EXISTING SYSTEMS IS MADE.
13. MAINTAIN FLOW FOR ALL EXISTING UTILITIES.
14. ALL SITE FILL SHALL MEET SELECTED FILL STANDARDS AS DEFINED BY THE OWNER OR OWNER'S REPRESENTATIVE ON THE DRAWINGS.
15. CONTRACTOR SHALL GRADE ALL AREAS ON THE SITE TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE EQUIPMENT PAD AND THE TOWER.
16. ALL IMPROVEMENTS TO CONFORM WITH DISTRICT OF COLUMBIA CONSTRUCTION STANDARDS AND SPECIFICATIONS, LATEST EDITION.

STATE OF MARYLAND
C. DOUGLAS MEEKINS
NO. 6706
REGISTERED
PROFESSIONAL ENGINEER

6.18.01

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

BZA
Case No. 16753
Exhibit No. 18

C.D. MEEKINS & ASSOCIATES, INC.
P.O. BOX 2151
ANNAPOLIS, MD. 21404-2151

OWNER INITIALS_____

REV. 06-18-01 | CDM: 00-3742

PROJECT INFORMATION

LOTS 835, 838, 839 AND 840 SQUARE 5539

SITE NAME: PENN BRANCH PLAZA

SITE ADDRESS: 3200-3244 PENNSYLVANIA AVE. S.E.
WASHINGTON D.C.

LATITUDE: N 38° 46' 04.15"
LONGITUDE: W 76° 59' 47.96"

ZONING CLASSIFICATION: R1-B

ZONING JURISDICTION: DISTRICT OF COLUMBIA

OCCUPANCY CLASSIFICATION: N/A

AREA OF DISTURBANCE FOR TELECOMMUNICATIONS: 1,613 S.F.± (0.04 Ac.±)
ACREAGE OF PARCEL: 20.013 Ac.±
LEASE AREA: 1,403 S.F.
ZONING APPLICATION #:

PROJECT DIRECTORY

OWNER:	PENN-BRANCH L.L.C. C/O WILLIAM JONES, V.P., OPERATIONS 5933 PLANK RD. SUITE 1 FREDERICKSBURG, VA. 22407-6231
APPLICANT:	SBA PROPERTIES INC. C/O KEVIN EVERHART 8401 CORPORATE DRIVE SUITE 560 LANDOVER, MARYLAND 20785
TELEPHONE CO.:	.
POWER CO.:	POTOMAC ELECTRIC POWER CO.

DRAWING INDEX

DRWG. #	TITLE	REV.#	DATE
T1	COVER SHEET	0	
C1	GENERAL NOTES & LEGEND	0	
C2	SITE PLAN	0	
C2A	SITE LAYOUT AND STAKING PLANS	0	
C3	GRADING, EROSION & SEDIMENT CONTROL PLANS	0	
C3A	GRADING, EROSION & SEDIMENT CONTROL PLANS	0	
C4	DETAILS	0	
C5	DETAILS	0	
E1	ELECTRICAL SITE PLAN	0	
E2	GROUNDING SITE PLAN	0	
E3	ELECTRICAL DETAILS AND NOTES	0	
E4	ELECTRICAL DETAILS	0	

LEGEND

EXISTING		PROPOSED
—X—X—	FENCE	—X—X—
(TYPE) STORM SEWER	STORM SEWER	
(TYPE) SANITARY SEWER	SANITARY SEWER	
(TYPE) WATER LINE	WATER LINE	
(TYPE) GAS LINE	GAS LINE	
UNDERGROUND ELECTRIC	UNDERGROUND ELECTRIC	
UNDERGROUND TELEPHONE	UNDERGROUND TELEPHONE	
OVERHEAD WIRES	OVERHEAD TELEPHONE	
	OVERHEAD ELECTRIC	
250	5' OR 10' CONTOUR LINE	250
202	1' OR 2' CONTOUR LINE	202
120.5	SPOT ELEVATION	120X5
	DITCH OR SWALE	
	STREAM OR RIVER	
	LAKE OR POND	
	PRIMARY PROPERTY OR R.O.W.	
	PROPERTY LINE	
	EASEMENT	
	CATCH BASIN	
	MANHOLE	
	HYDRANT	
	WATER VALVE	
	UTILITY POLE	
	LIGHT POLE, LAMP POST	
	SIGN	
	TELEPHONE PEDESTAL	
	IRON ROD, PIN, OR PIPE	
	CONCRETE MONUMENT	
	CURB	
	ASPHALT PAVEMENT	
	TEST PIT	
	SOIL BORING	
	BUILDING	
	TREES, SHRUBS, BUSHES	
	MATCH LINE	
	SILT FENCE	S

1 / C1 — DETAIL IDENTIFICATION; SHEET NO. WHERE DETAIL IS LOCATED OR THE DWG. IT IS ON

STATE OF MARYLAND — DOUGLAS MEEKINS — NO. 6708 — REGISTERED PROFESSIONAL ENGINEER — 6-18-01

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

GENERAL NOTES

1. ALL DIMENSIONS TO, OF, AND ON EXISTING BUILDINGS, DRAINAGE STRUCTURES, AND SITE IMPROVEMENTS SHALL BE VERIFIED IN FIELD BY CONTRACTOR WITH ALL DISCREPANCIES REPORTED TO THE ENGINEER.
2. DO NOT CHANGE SIZE NOR SPACING OF STRUCTURAL ELEMENTS.
3. DETAILS SHOWN ARE TYPICAL; SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS UNLESS OTHERWISE NOTED.
4. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
5. BRACE STRUCTURES UNTIL ALL STRUCTURAL ELEMENTS NEEDED FOR STABILITY ARE INSTALLED. THESE ELEMENTS ARE AS FOLLOWS: LATERAL BRACING, ANCHOR BOLTS, ETC.
6. DETERMINE EXACT LOCATION OF EXISTING UTILITIES, GROUNDS DRAINS, DRAIN PIPES, VENTS, ETC. BEFORE COMMENCING WORK.
7. INCORRECTLY FABRICATED, DAMAGED, OR OTHERWISE MISFITTING OR NONCONFORMING MATERIALS OR CONDITIONS SHALL BE REPORTED TO THE OWNER PRIOR TO REMEDIAL OR CORRECTIVE ACTION THE OWNER IS NOT RESPONSIBLE FOR ANY SUCH CONDITIONS OR MATERIAL AND THEREFORE IS NOT LIABLE FOR ANY CHANGES ASSOCIATED (SUCH AS REMOBILIZATION, DOWN TIME, ETC.). ANY SUCH ACTION SHALL REQUIRE APPROVAL.
8. EACH CONTRACTOR SHALL COOPERATE WITH THE OWNER'S REPRESENTATIVE, AND COORDINATE HIS WORK WITH THE WORK OF OTHERS.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL.
2. ALL EXTERIOR STEEL WORK SHALL BE GALVANIZED IN ACCORDANCE WITH SPECIFICATION ASTM A36 UNLESS OTHERWISE NOTED. GALVANIZING SHALL BE PERFORMED AFTER SHOP FABRICATION TO THE GREATEST EXTENT POSSIBLE. ALL DINGS, SCRAPES, MARS, AND WELDS IN THE GALVANIZED AREAS SHALL BE REPAIRED BY FIELD TOUCH-UP PRIOR TO COMPLETION OF THE WORK.
3. DO NOT PLACE HOLES THROUGH STRUCTURAL STEEL MEMBERS EXCEPT AS SHOWN AND DETAILED ON STRUCTURAL DRAWINGS.
4. CONNECTIONS:
   A. ALL WELDING SHALL BE DONE USING E70XX ELECTRODES AND WELDING SHALL CONFORM TO AISC AND AWS D1.1. WHERE FILLET WELD SIZES ARE NOT SHOWN, PROVIDE THE MINIMUM SIZE PER TABLE J2.4 IN THE AISC "MANUAL OF STEEL CONSTRUCTION ", 9TH EDITION. AT THE COMPLETION OF WELDING, ALL DAMAGE TO GALVANIZED COATING SHALL BE REPAIRED.
   B. BOLTED CONNECTIONS SHALL USE BEARING TYPE GALVANIZED ASTM A325 BOLTS (3/4" DIA) AND SHALL HAVE MINIMUM OF TWO BOLTS UNLESS NOTED OTHERWISE.
   C. CONNECTION DESIGN BY FABRICATOR WILL BE SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.

CONCRETE NOTES

1. DESIGN AND CONSTRUCTION OF ALL CONCRETE ELEMENTS SHALL CONFORM TO THE LATEST EDITIONS OF THE FOLLOWING APPLICABLE CODES: ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"; ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE";
2. MIX DESIGN SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO PLACING CONCRETE.
3. CONCRETE SHALL BE NORMAL WEIGHT, 6% AIR ENTRAINED (±1.5%) WITH A MAXIMUM 4" SLUMP, AND HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI UNLESS OTHERWISE NOTED.
4. MAXIMUM AGGREGATE SIZE SHALL BE 1".
5. THE FOLLOWING MATERIALS SHALL BE USED:

PORTLAND CEMENT:	ASTM C 150, TYPE I
REINFORCEMENT:	ASTM A 185
NORMAL WEIGHT AGGREGATE:	ASTM C 33
WATER:	DRINKABLE
ADMIXTURES:	NON-CHLORIDE CONTAINING

6. REINFORCING DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315.
7. REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 60, DEFORMED UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 185 WELDED STEEL WIRE FABRIC UNLESS NOTED OTHERWISE. SPLICES SHALL BE CLASS "B" AND ALL HOOKS SHALL BE STANDARD, UNO.
8. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL UNLESS SHOWN OTHERWISE ON DRAWINGS:

   CONCRETE CAST AGAINST EARTH.....3 IN.

   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #6 AND LARGER .....2 IN.
   #5 AND SMALLER & WWF .....1 1/2 IN.
9. A 3/4" CHAMFER SHALL BE PROVIDED AT ALL EXPOSED EDGES OF CONCRETE, UNO, IN ACCORDANCE WITH ACI 301 SECTION 4.2.4.
10. INSTALLATION OF CONCRETE EXPANSION/WEDGE ANCHOR, SHALL BE PER MANUFACTURERS WRITTEN RECOMMENDED PROCEDURE. THE ANCHOR BOLT, DOWEL OR ROD SHALL CONFORM TO MANUFACTURER'S RECOMMENDATION FOR EMBEDMENT DEPTH OR AS SHOWN ON THE DRAWINGS. NO REBAR SHALL BE CUT WITHOUT PRIOR ENGINEERING APPROVAL WHEN DRILLING HOLES IN EXISTING CONCRETE.
11. ADMIXTURES SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS REFERENCED IN ACI-301.
12. DO NOT WELD OR TACKWELD REINFORCING STEEL.
13. ALL DOWELS, ANCHOR BOLTS, EMBEDDED STEEL, ELECTRICAL CONDUITS, PIPE SLEEVES, GROUNDS AND ALL OTHER EMBEDDED ITEMS AND FORMED DETAILS SHALL BE IN PLACE BEFORE START OF CONCRETE PLACEMENT.
14. LOCATE ADDITIONAL CONSTRUCTION JOINTS REQUIRED TO FACILITATE CONSTRUCTION AS ACCEPTABLE TO ENGINEER. PLACE REINFORCEMENT CONTINUOUSLY THROUGH JOINT.
15. REINFORCEMENT SHALL BE COLD BENT WHENEVER BENDING IS REQUIRED.
16. PLACE CONCRETE IN A UNIFORM MANNER TO PREVENT THE FORMATION OF COLD JOINTS AND OTHER PLANES OF WEAKNESS. VIBRATE THE CONCRETE TO FULLY EMBED REINFORCING. DO NOT USE VIBRATORS TO TRANSPORT CONCRETE THROUGH CHUTES OR FORMWORK.
17. DO NOT PLACE CONCRETE IN WATER, ICE, OR ON FROZEN GROUND.
18. DO NOT ALLOW CONCRETE SUBBASE TO FREEZE DURING CONCRETE CURING AND SETTING PERIOD, OR FOR A MINIMUM OF 14 DAYS AFTER PLACEMENT.
19. FOR COLD-WEATHER AND HOT-WEATHER CONCRETE PLACEMENT, CONFORM TO APPLICABLE ACI CODES AND RECOMMENDATIONS. IN EITHER CASE, MATERIALS CONTAINING CHLORIDE, CALCIUM, SALTS, ETC. SHALL NOT BE USED. PROTECT FRESH CONCRETE FROM WEATHER FOR 7 DAYS MINIMUM.
20. CONCRETE SHALL BE RUBBED TO A ROUGH GROUT FINISH. PADS SHALL BE SEALED BY STEEL TROWL.

OWNER INITIALS_____

DATE: 6-18-01
COM: 00-3742

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
ANNAPOLIS, MARYLAND 21404-2151
PHONE: 410-267-0744

NO.	REVISIONS	BY	DATE
1.	AS REQUESTED	A.V.B	6/18

SBA

PROPERTY NO. 7000
PROJECT # 6708

PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS

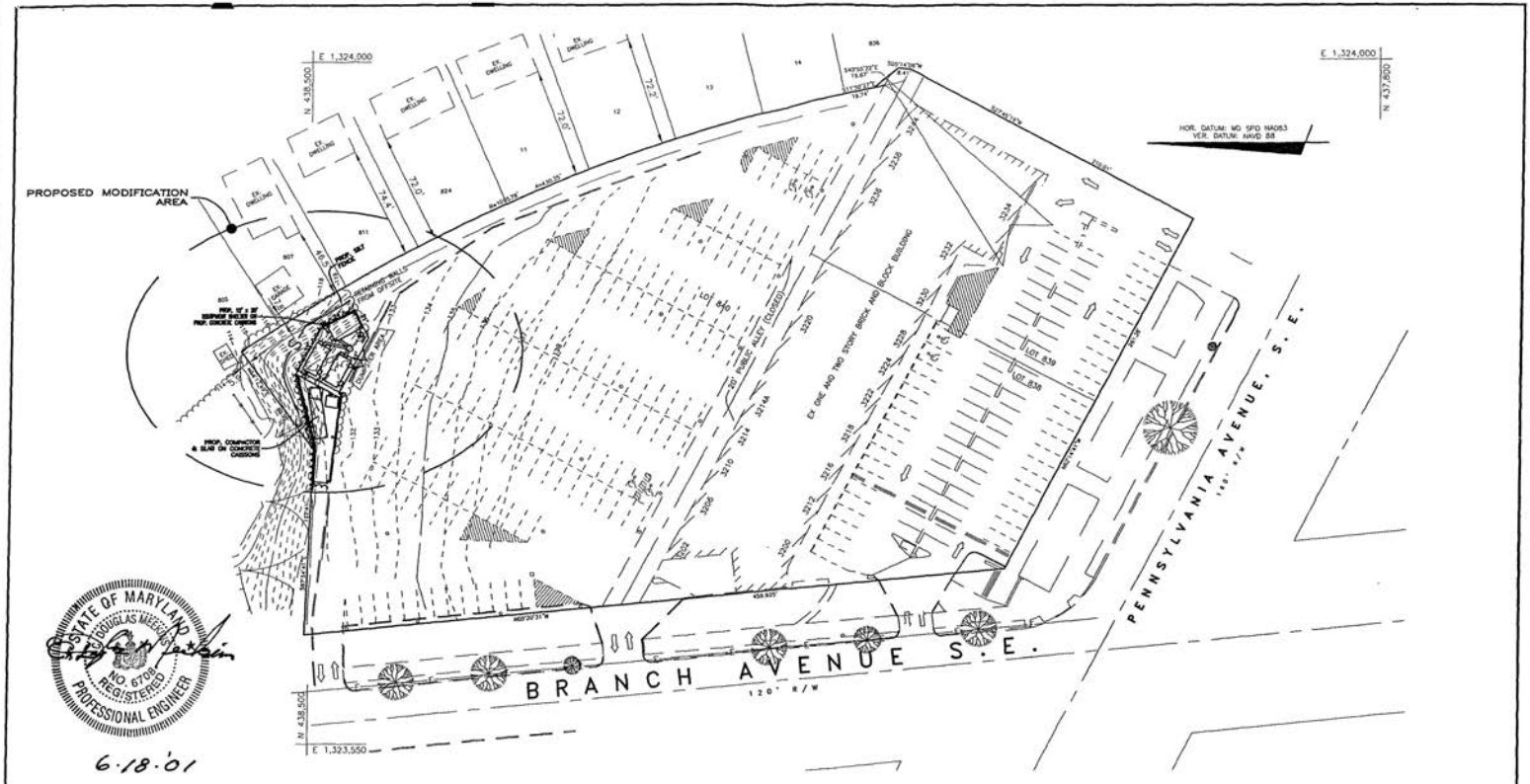
P.E. NO.	L.S. NO.	DATE
6708	9153	6-18-01

DESIGNED: M.D.M. | DRAWN: J.L.S. | CHECKED: A.V.B. | DATE: | SCALE: AS SHOWN | REF.:

PREPARED FOR
SBA PROPERTIES INC.
C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

GENERAL NOTES & LEGEND
PENN BRANCH PLAZA – SBA
3200 – 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

SBA JOB NUMBER
SHEET NO.
C1



STATE OF MARYLAND
C. DOUGLAS MEEKINS
NO. 6708
REGISTERED
PROFESSIONAL ENGINEER

6.18.01

SITE PLAN

60' 0 60'

SCALE: 1"=60'

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

OWNER INITIALS_____

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
ANNAPOLIS, MARYLAND 21404-2151
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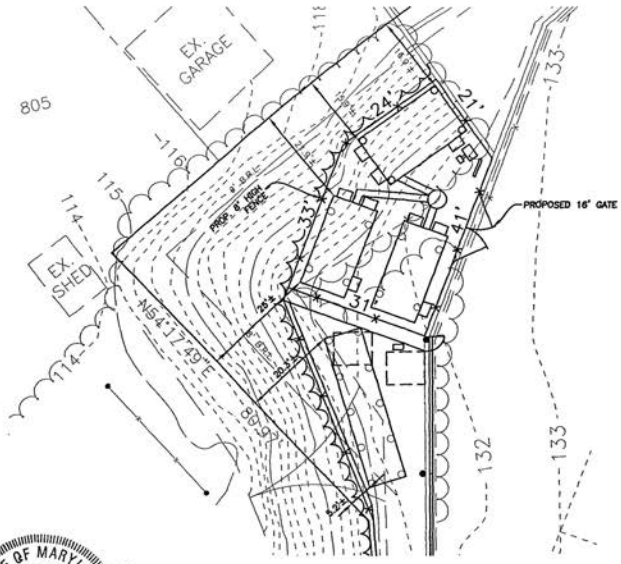
SBA PROPERTIES, INC.
PROJECT #9415

PREPARED UNDER THE SUPERVISION OF:
C. DOUGLAS MEEKINS
6708 P.E. NO.
9153 L.S. NO.
6-18-01 DATE
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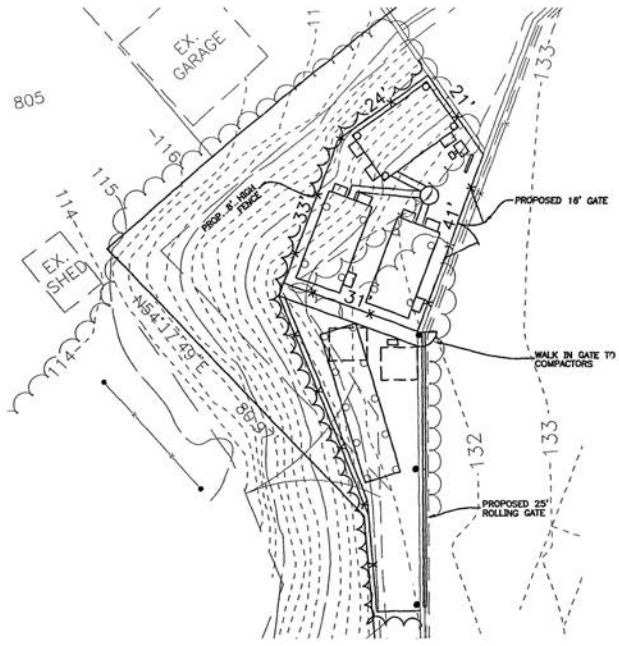
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SBA PROPERTIES INC.
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8401 CORPORATE DRIVE
SUITE 560
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OVERALL SITE PLAN
PENN BRANCH PLAZA – SBA
3200 – 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
CDM: 00-3742
SBA JOB NUMBER
SHEET NO.
C2



1 / C2 SITE LAYOUT
SCALE: 1"=20'



1 / C2 STAKING LAYOUT
SCALE: 1"=20'

STATE OF MARYLAND
C. DOUGLAS MEEKINS
NO. 6708
REGISTERED
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6·18·01

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION

SITE WORK GENERAL NOTES:

1. RUBBISH, STUMPS, DEBRIS, STICKS, STONES AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
2. THE SITE SHALL BE GRADED TO CAUSE SURFACE WATER TO FLOW AWAY FROM THE PCS EQUIPMENT AND TOWER AREAS.
3. THE SUBGRADE SHALL BE COMPACTED AND BROUGHT TO A SMOOTH UNIFORM GRADE PRIOR TO FINISHED SURFACE APPLICATION.
4. ALL EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING ENGINEER.
5. ALL EXISTING INACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF THE ENGINEER.
6. THE AREAS OF THE OWNERS PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE BUILDING OR DRIVEWAY, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED, AND STRAWED.
7. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. EROSION CONTROL MEASURES, IF REQUIRED DURING CONSTRUCTION, SHALL BE IN CONFORMANCE WITH APPLICABLE JURISDICTIONAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL, AND COORDINATED WITH THE LOCAL CODE ENFORCEMENT OFFICE.

OWNER INITIALS_____

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CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
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SBA
PROPERTIES, INC.
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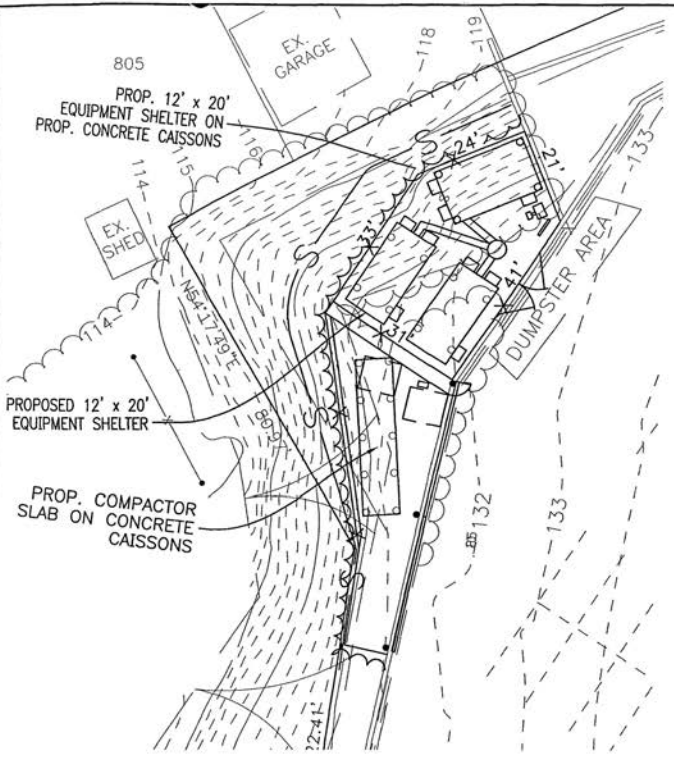
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8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

SITE LAYOUT & STAKING PLAN
PENN BRANCH PLAZA - SBA
3200 - 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
CDM: 00-3742
SBA JOB NUMBER
SHEET NO. C2A



1 / C2 GRADING, EROSION & SEDIMENT CONTROL PLANS
SCALE: 1"=50'

STATE OF MARYLAND
C. DOUGLAS MEEKINS
NO. 6708
REGISTERED
PROFESSIONAL ENGINEER

6.18.'01

OWNER INITIALS

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SBA
PROJECT #

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C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

GRADING, EROSION & SEDIMENT CONTROL PLANS
PENN BRANCH PLAZA - SBA
3200 - 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
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-
SHEET NO.
C3

EXCAVATION & GRADING NOTES:

1. ALL EXCAVATIONS ON WHICH CONCRETE IS TO BE PLACED SHALL BE SUBSTANTIALLY HORIZONTAL ON UNDISTURBED AND UNFROZEN SOIL AND BE FREE FROM LOOSE MATERIAL AND EXCESS GROUNDWATER. DEWATERING FOR EXCESS GROUNDWATER SHALL BE PROVIDED IF REQUIRED.

2. CONCRETE FOUNDATIONS SHALL NOT BE PLACED ON ORGANIC MATERIAL. IF SOUND SOIL IS NOT REACHED AT THE DESIGNATED EXCAVATION DEPTH, THE UNSATISFACTORY SOIL SHALL BE EXCAVATED TO ITS FULL DEPTH AND EITHER BE REPLACED WITH MECHANICALLY COMPACTED GRANULAR MATERIAL OR THE EXCAVATION BE FILLED WITH CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION.

3. ANY EXCAVATION OVER THE REQUIRED DEPTH SHALL BE FILLED WITH EITHER MECHANICALLY COMPACTED GRANULAR MATERIAL OR CONCRETE OF THE SAME QUALITY SPECIFIED FOR THE FOUNDATION. CRUSHED STONE MAY BE USED TO STABILIZE THE BOTTOM OF THE EXCAVATION. STONE, IF USED, SHALL NOT BE USED AS COMPILING CONCRETE THICKNESS.

4. AFTER COMPLETION OF THE FOUNDATION AND OTHER CONSTRUCTION BELOW GRADE, AND BEFORE BACKFILLING, ALL EXCAVATIONS SHALL BE CLEAN OF UNSUITABLE MATERIAL SUCH AS VEGETATION, TRASH, DEBRIS, AND SO FORTH.

5. BACKFILLING SHALL:
   - -USE APPROVED MATERIALS CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND AND GRAVEL, OR SOFT SHALE;
   - -BE FREE FROM CLODS OR STONES OVER 2-1/2" MAXIMUM DIMENSIONS
   - -BE PLACED IN 6" LAYERS AND COMPACTED TO 95% STANDARD PROCTOR EXCEPT IN GRASSED/LANDSCAPED AREAS, WHERE 90% STANDARD PROCTOR IS REQUIRED.

6. FILL PREPARATION:
   REMOVE ALL VEGETATION, TOPSOIL, DEBRIS, WET AND UNSATISFACTORY SOIL MATERIALS, OBSTRUCTIONS, AND DELETERIOUS MATERIALS FROM GROUND SURFACE PRIOR TO PLACING FILLS. PLOW, STRIP, OR BREAK UP SLOPED SURFACES STEEPER THAN THAN 1" VERTICAL TO 4" HORIZONTAL SO FILL MATERIAL WILL BOND WITH EXISTING SURFACE. WHEN SUBGRADE OR EXISTING GROUND SURFACE TO RECEIVE FILL HAS A DENSITY LESS THAN THAT REQUIRED FOR FILL, BREAK UP GROUND SURFACE TO DEPTH REQUIRED, PULVERIZE, MOISTURE-CONDITION OR AERATE SOIL AND RECOMPACT TO REQUIRED DENSITY.

7. PROTECT EXISTING GRAVEL SURFACING AND SUBGRADE IN AREAS WHERE EQUIPMENT LOADS WILL OPERATE. USE PLANKING OR OTHER SUITABLE MATERIALS DESIGNED TO SPREAD EQUIPMENT LOADS. REPAIR DAMAGE TO EXISTING GRAVEL SURFACING OR SUBGRADE WHERE SUCH DAMAGE IS DUE TO THE CONTRACTOR'S OPERATIONS. DAMAGED GRAVEL SURFACING SHALL BE RESTORED TO MATCH THE ADJACENT UNDAMAGED GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS.

8. REPLACE EXISTING GRAVEL SURFACING ON AREAS FROM WHICH GRAVEL SURFACING IS REMOVED DURING CONSTRUCTION OPERATIONS. GRAVEL SURFACING SHALL BE REPLACED TO MATCH EXISTING ADJACENT GRAVEL SURFACING AND SHALL BE OF THE SAME THICKNESS. SURFACES OF GRAVEL SURFACING SHALL BE FREE FROM CORRUGATIONS AND WAVES. EXISTING GRAVEL SURFACING MAY BE EXCAVATED SEPARATELY AND REUSED IF INJURIOUS AMOUNTS OF EARTH, ORGANIC MATTER, OR OTHER DELETERIOUS MATERIALS ARE REMOVED PRIOR TO REUSE. FURNISH ALL ADDITIONAL GRAVEL RESURFACING MATERIAL AS REQUIRED. BEFORE GRAVEL SURFACING IS REPLACED, SUBGRADE SHALL BE GRADED TO CONFORM TO REQUIRED SUBGRADE ELEVATIONS, AND LOOSE OR DISTURBED MATERIALS SHALL BE THOROUGHLY COMPACTED. DEPRESSIONS IN THE SUBGRADE SHALL BE FILLED AND COMPACTED WITH APPROVED SELECTED MATERIAL. GRAVEL SURFACING MATERIAL MAY BE USED FOR FILLING DEPRESSIONS IN THE SUBGRADE, SUBJECT TO ENGINEER'S APPROVAL.

9. DAMAGE TO EXISTING STRUCTURES AND UTILITIES RESULTING FROM CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED / REPLACED TO OWNER'S SATISFACTION AT CONTRACTOR'S EXPENSE.

10. CONTRACTOR SHALL COORDINATE THE CONSTRUCTION SCHEDULE WITH PROPERTY OWNER SO AS TO AVOID INTERRUPTIONS TO PROPERTY OWNER'S OPERATIONS.

11. ENSURE POSITIVE DRAINAGE DURING AND AFTER COMPLETION OF CONSTRUCTION.

12. ALL CUT AND FILL SLOPES SHALL BE 2" HORIZONTAL TO 1" VERTICAL MAXIMUM.

13. REMOVE ALL ORGANICS, ROCKS GREATER THAN 3", UNUSED FILL AND OTHER DEBRIS TO AN AREA OFF SITE IN A LEGAL MANNER.

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION."

STATE OF MARYLAND
DOUGLAS MEEKINS
NO. 6708
REGISTERED
PROFESSIONAL ENGINEER
6-18-01



Ds2 / 1 / C3,C3A — DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)
NO SCALE



Ds2 / 1 / C3,C3A — DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)
NO SCALE

ACTIVITY SCHEDULE	MAY 01	JUN 01	JUL 01	AUG 01
PROJECT CONSTRUCTION				
CLEARING, GRUBBING, AND GRADING				
MAINTAINING EROSION CONTROL MEASURES				
GRASSING				
REMOVING EROSION CONTROL MEASURES				
FINAL LANDSCAPING, GRASSING				

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES.

GENERAL EROSION & SEDIMENT CONTROL NOTES:

1. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS AT CONTRACTORS EXPENSE.
2. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS AND REMAIN UNTIL CONSTRUCTION IS COMPLETED.
3. THE CONSTRUCTION OF THE SITE WILL INITIATE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION.
   CONTRACTOR SHALL CALL ANNE ARUNDEL COUNTY FOR AN INSPECTION OF SOIL EROSION CONTROL MEASURES PRIOR TO BEGINNING GRADING ACTIVITY.
   ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED.
4. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
5. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR SELECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
6. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS WITHIN 12" OF THE TOP OF THE SILT FENCE.
7. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED.
8. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 7 DAYS SHALL BE STABILIZED WITH SEEDING.

10. SEEDING:

A. SEEDING WITH MULCH (CONVENTIONAL SEEDING ON SLOPES LESS THAN 3:1) (HYDRAULIC SEEDING EQUIPMENT ON SLOPES 3:1 AND STEEPER)

AGRICULTURAL LIMESTONE	4000 LBS./acre
FERTILIZER, 5-10-15	1500 lbs./acre
MULCH STRAW OR HAY	5000 lbs./arce

SEED SPECIES	APPLICATION RATE/ACRE	PLANNING DATES
HULLED COMMON BERMUDAGRASS	10lbs.	3/1 - 6/15
FESCUE	50lbs.	9/1 -10/31
FESCUE RYE GRASS	50lbs. 50lbs.	11/1 -2/28
HAY MULCH FOR TEMPORARY COVER	5000lbs.	6/15 -8/31

B. TOPDRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL
FERTILIZER (AMMONIUM NITRATE 33.5%) 300 lbs./acre

C. SECOUND-YEAR-FERTILIZER: (5-10-15 OR EQUIVALENT) 800 lbs./acre

HYDRAULIC SEEDING EQUIPMENT

WHEN HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED, NO GRADING AND SHAPING OR SEEDBED PREPARATION WILL BE REQUIRED. THE FERTILIZER, SEED AND WOOD CELLULOSE FIBER MULCH WILL BE MIXED WITH WATER AND APPLIED IN A SLURRY. ALL SLURRY INGREDIENTS MUST BE COMBINED TO FORM A HOMOGENEOUS MIXTURE, AND SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER MIXTURE IS MADE. STRAW OR HAY MULCH AND ASPHALT EMULSION WILL BE APPLIED WITH BLOWER-TYPE MULCH SPREADING EQUIPMENT WITHIN 24 HOURS AFTER SEEDING. THE MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED.

CONVENTIONAL SEEDING EQUIPMENT

GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIPACKER-SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER A FRESHLY PREPARED SEEDBED AND COVERED LIGHTLY. WITHIN 24 HOURS AFTER SEEDING, STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY OVER THE AREA, LEADING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER-TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARROW WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL.

11. CONTRACTOR SHALL REMOVE ALL EROSION & SEDIMENT CONTROL MEASURES AFTER COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER.
12. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
13. ALL CUT AND FILL SLOPES MUST BE SURFACED ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
14. ALL FILL SLOPES WILL HAVE SILT FENCE AT TOE OF SLOPES.
15. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE CHECKED DAILY AND ANY DEFICIENCIES NOTED WILL BE CORRECTED BY THE END OF EACH DAY. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY AFTER ON-SITE INSPECTION BY THE ISSUING AUTHORITY.
16. THE ONLY MATERIAL TO BE BURIED ON-SITE IS VEGETATIVE MATERIAL. CONSTRUCTION WASTE MAY NEITHER BE BURNED NOR BURIED AND MUST BE TAKEN TO A STATE APPROVED LANDFILL.
17. A 25 TO 35 FOOT UNDISTURBED VEGITATIVE BUFFER ADJACENT TO ALL RUNNING STREAMS AND CREEKS WILL BE LEFT AND MAINTAINED.
18. FOR QUESTIONS CONCERNING EROSION & SEDIMENT CONTROL CONTACT JIM MORRIS 24 HRS/DAY AT (800) 503-0398/PAGER.

OWNER INITIALS

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
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PHONE: 410-267-0744

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SBA PROPERTIES, INC.
PROJECT #9415

PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS

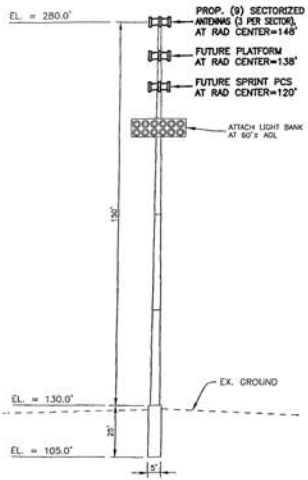
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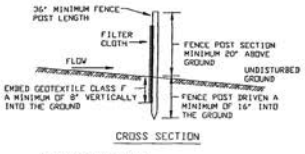
PREPARED FOR
SBA PROPERTIES INC.
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GRADING EROSION & SEDIMENT CONTROL NOTES
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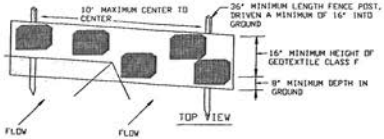
1 / C4 LIGHT POLE/MONOPOLE TOWER SCHEMATIC
NOT TO SCALE



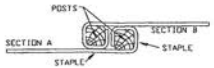
CROSS SECTION



5 / C4 SILT FENCE SECTION
NOT TO SCALE



PERSPECTIVE VIEW

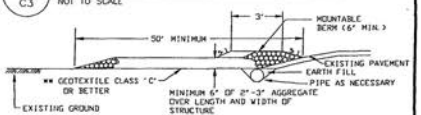


JOINING TWO ADJACENT SILT FENCE SECTIONS

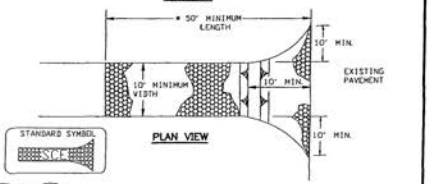
CO / 6 / C3,C3A SILT FENCE ELEVATION
NOT TO SCALE



3 / C3 SECTION THROUGH TOWER YARD
NOT TO SCALE



PROFILE



PLAN VIEW

CO / 7 / C3A CONSTRUCTION EXIT DETAIL
NOT TO SCALE

6.18.01

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

OWNER INITIALS_____

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
ANNAPOLIS, MARYLAND 21404-2151
PHONE: 410-267-0744

NO.	REVISIONS	BY	DATE
1.	AS REQUESTED	A.V.B.	6/18

SBA PROPERTIES, INC.
PROJECT #

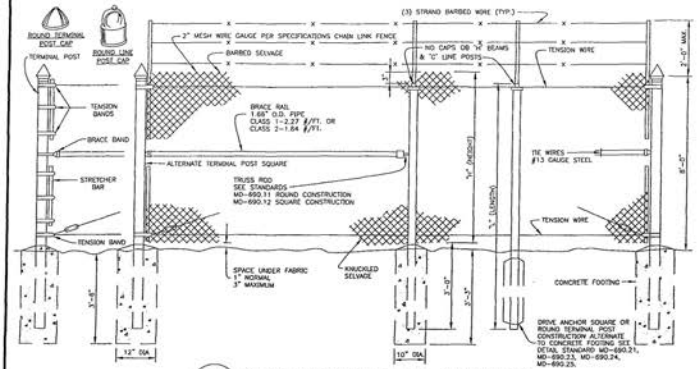
PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS

P.E. NO.	L.S. NO.	DATE
6708	9153	6-18-01
DESIGNED: N.D.M.	CHECKED: A.V.B.	SCALE: AS SHOWN
DRAWN: J.L.S.	DATE:	REF.:

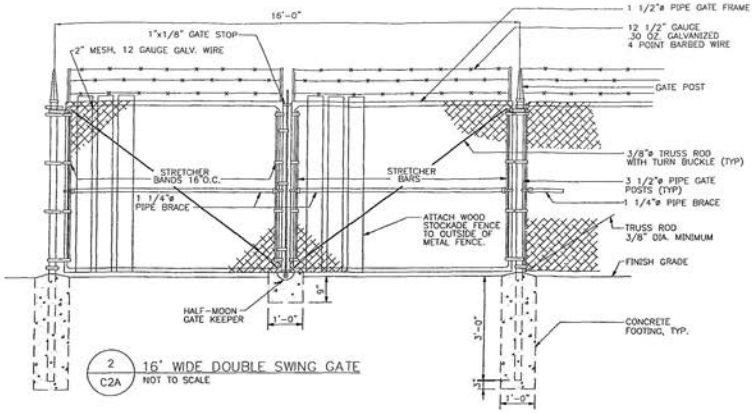
PREPARED FOR
SBA PROPERTIES INC.
C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

DETAILS
PENN BRANCH PLAZA - SBA
3200 - 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
CDM: 00-3742
SBA JOB NUMBER
SHEET NO. C4



1 / C2A,C4 CHAIN LINK FENCE DETAIL (ELEVATION)
NOT TO SCALE



2 / C2A 16' WIDE DOUBLE SWING GATE
NOT TO SCALE

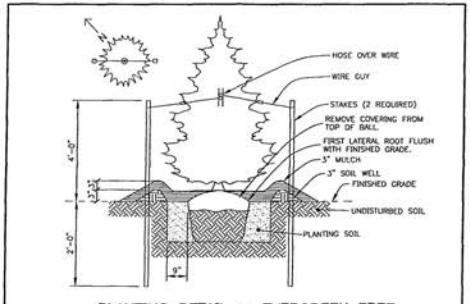
FENCE NOTES:

1. FENCING MATERIALS SHALL BE OF GALVANIZED STEEL.
2. POST, BRACES AND GATE FRAMES SHALL BE SCHEDULE 40 (STANDARD WEIGHT) PIPE. SIZES SPECIFIED ARE NOMINAL DIAMETER.
3. DOUBLE SWING GATE SHALL BE PROVIDED WITH TUBULAR PLUNGER BAR, 1 LOCK KEEPER, 1 LOCK KEEPER GUIDE, 2 LATCH FORKS, 2 FORK CATCHES, 1 HALF MOON/ROUND TOP CATCH FOR PLUNGER BAR, AND 2 GATES STOPS LOCATED AS DIRECTED BY THE ENGINEER.
4. POSTS, CAPS AND OTHER NECESSARY FENCE FITTINGS SHALL BE AS MANUFACTURED BY THE FENCE MANUFACTURE OR EQUAL HINGES SHALL BE OF GALVANIZED STEEL.
5. POSTS SHALL BE SPACED EQUIDISTANT BUT NOT MORE THAN 10' O.C.
6. BOTTOM OF FENCE SHALL BE NO MORE THAN 3" ABOVE GRADE AT ANY SECTION.

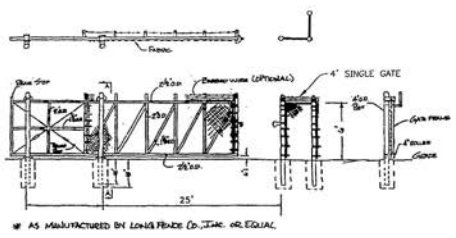
STATE OF MARYLAND
C. DOUGLAS MEEKINS
No. 6708
REGISTERED
PROFESSIONAL ENGINEER

6.18.01

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PLANTING DETAIL – EVERGREEN TREE



* AS MANUFACTURED BY LONG FENCE CO., INC. OR EQUAL

SINGLE LEAF CANTELEVER SLIDE GATE (25')
NTS

OWNER INITIALS_____

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
ANNAPOLIS, MARYLAND 21404-2151
PHONE: 410-267-0744

NO.	REVISIONS	BY	DATE
1.	AS REQUESTED	A.V.B.	6/18

SBA PROPERTIES, INC.
PROJECT #9415

PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS

6708	9153	6-18-01
P.E. NO.	L.S. NO.	DATE
DESIGNED: M.D.M.	CHECKED: A.V.B.	SCALE: AS SHOWN
DRAWN: J.L.S.	DATE:	REF.:

PREPARED FOR
SBA PROPERTIES INC.
C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

GENERAL NOTES & LEGEND
PENN BRANCH PLAZA – SBA
3200 – 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
COM: 00-3742
SBA JOB NUMBER
SHEET NO.
C5

ABBREVIATIONS

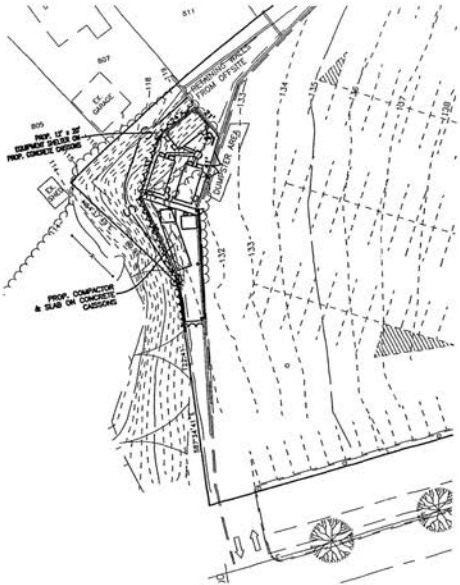
AWG	AMERICAN WIRE GAUGE
BFG	BELOW FINISH GRADE
C	CONDUIT
CAB	CABINET
DWG	DRAWING
G	GROUND
PVC	POLYVINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL
SS	STAINLESS STEEL
SST	SELF SUPPORTING TOWER
TYP.	TYPICAL

CODED DRAWING NOTES:

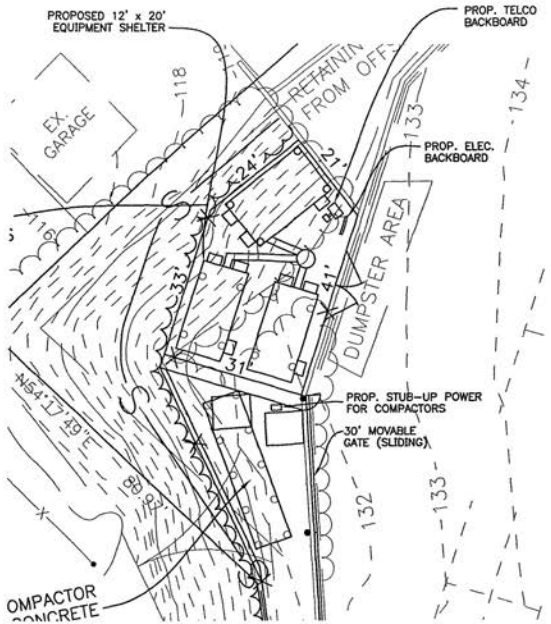
1. COORDINATE EXACT LOCATION WITH UTILITY COMPANY. STUB UP POWER AND TELEPHONE CONDUITS AND CAP IN RIGHT-OF-WAY OR AS DIRECTED BY UTILITY COMPANY.
2. RECEPTACLE MOUNTED TO TELEPHONE BACKBOARD.
3. AREA LIGHT, HUBBELL #QL-505-L05 OR APPROVED EQUAL. MOUNT 8'-0" AFG. PROVIDE WEATHERPROOF SWITCH AT 4'-0" AFG. MOUNT LIGHT AND SWITCH TO ELECTRIC BACKBOARD.
4. EXTEND AND CONNECT TO PANELBOARD. REFER TO 1/E3.
5. ALL CONDUITS SHALL UTILIZE LONG SWEEPS AT BENDS AND BE CAPPED WITH PLASTIC COVERS. NO DUCT TAPE.
6. FLASH TECHNOLOGY MODEL FTB 312 SERIES – DUAL FLASHING SYSTEM. MECHANICALLY FASTEN TO TOWER LEG AS DIRECTED BY MANUFACTURER. PROVIDE BEACON AT TOP OF TOWER, AND TWO SIDE MARKER LIGHTS AT TOWER MIDPOINT.
7. 5 PAIR BURIED SERVICE WIRE IN 3/4"C FROM FLASHING SYSTEM TO TELCO BOX.

ELECTRICAL SYMBOLS

- CIRCUIT BREAKER
- BURIED RACEWAY
- FUSED DISCONNECT SWITCH
- (X) INDICATES CODED NUMBER
- X / XX — REPRESENTS DETAIL NUMBER / REF. DRAWING NUMBER



1 / E1 OVERALL ELECTRICAL SITE PLAN
SCALE: 1"=50'



2 / E1 PARTIAL ELECTRICAL SITE PLAN
SCALE: 1"=20'

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

NOTE: CALL TO CONFORM PORTHOLE DIRECTIONS FOR ICE BRIDGE LOCATION.

OWNER INITIALS_____

DATE: 6-18-01
CDM: 00-3742

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SBA PROJECT #9415

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6708 P.E. NO. | 9153 L.S. NO. | 6-18-01 DATE
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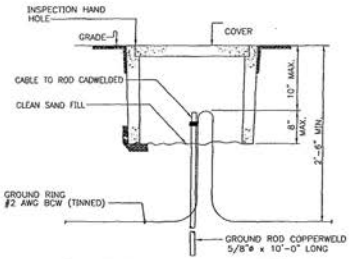
PREPARED FOR
SBA PROPERTIES INC.
C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

ELECTRICAL SITE PLAN
PENN BRANCH PLAZA – SBA
3200 – 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

SBA JOB NUMBER
SHEET NO. E1

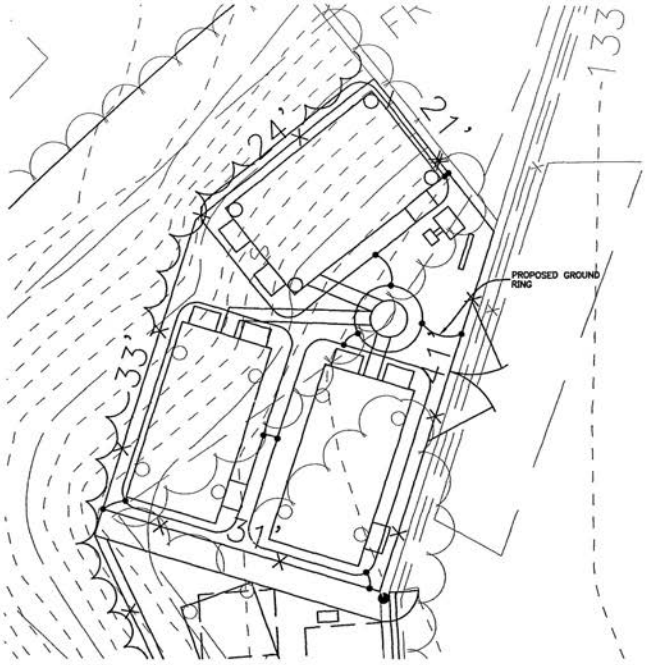
CODED DRAWING NOTES

1. GROUND RING (MIN. 1'-6" FROM OUTSIDE EDGE OF TOWER FOUNDATION)
2. CONNECT SERVICE DISCONNECTING MEANS TO GROUND ROD.
3. CONNECT FENCE TO GROUND RING. TYPICAL 4 PLACES.
4. CONNECT TOWER BASE TO GROUND ROD IN TOWER RING (TYP. FOR 3). CADWELD TO TOWER BASE PLATE OR GROUNDING LUG PROVIDED BY TOWER MANUFACTURER. DO NOT CADWELD TO HOLLOW TUBULAR TOWER.
5. CONNECT MAIN REBAR IN TOWER FOUNDATION TO GROUND RING. PROVIDE JUMPER FROM REBAR TO TOWER STEEL.
6. CONNECT GATE TO GATE POST (TYP. FOR 2) WITH 4/0 WELDING CABLE THAT HAS BEEN CRIMPED ON EACH END WITH A CAP FOR THE CADWELD PROCESS. LENGTH SHALL ALLOW FULL SWING OF GATE. CONNECT GATE POSTS TO GROUND ROD.
7. CONNECT EQUIPMENT FRAME TO GROUND RING.
8. PROVIDE GROUNDING ROD AT MAXIMUM 10' ON CENTER. OWNER TO INSPECT BEFORE BACKFILLING.
9. INSTALL TEST WELL ON OPPOSITE SIDE FROM ANCHOR TENNANT LOCATION.

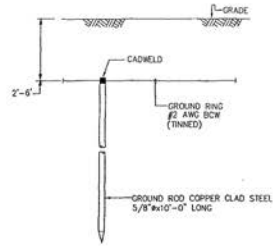


NOTE: INSPECTION HAND HOLE WILL BE CONCRETE AND SHALL BE A MINIMUM OF 12" DIA. x 18" DEEP. USE CHRISTY BRAND WELL BOX # F14 LID # F8D (CONCRETE REINFORCED LID)

2/E2 GROUND ROD WITH ACCESS
NOT TO SCALE



1/E2 SITE GROUNDING PLAN
SCALE: 1"=20'



3/E2 COPPER-CLAD STEEL GROUND ROD
NOT TO SCALE

GROUNDING SYMBOLS

- ⊠ GROUND ROD WITH ACCESS
- ⊗ GROUND ROD
- • CADWELD TYPE CONNECTION
- —UG— BURIED GROUND CABLE 30" BFG
- (X) INDICATES CODED NUMBER
- X/XX — REPRESENTS DETAIL NUMBER / REF. DRAWING NUMBER

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

OWNER INITIALS_____

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ANNAPOLIS, MARYLAND 21404-2151
PHONE: 410-267-0744

NO.	REVISIONS	BY	DATE
1.	AS REQUESTED	A.V.B.	6/18

SBA PROPERTIES, INC. PROJECT #

PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS
P.E. NO. 6708 | L.S. NO. 9153 | DATE 6-18-01
DESIGNED: M.D.M. | CHECKED: A.V.B. | SCALE: AS SHOWN
DRAWN: J.L.S. | DATE: | REF:

PREPARED FOR
SBA PROPERTIES INC.
C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

GROUNDING SITE PLAN
PENN BRANCH PLAZA – SBA
3200 – 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 838, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
CDM: 00-3742
SBA JOB NUMBER
SHEET NO. E2

GENERAL NOTES

1. INSPECTIONS

A. GENERAL: DURING AND UPON COMPLETION OF THE WORK, ARRANGE AND PAY ALL ASSOCIATED INSPECTIONS OF ALL ELECTRICAL WORK INSTALLED UNDER THIS CONTRACT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT. INSTALLATION SHALL COMPLY WITH APPLICABLE LAWS AND ORDINANCES, UTILITY COMPANY REQUIREMENTS, AND THE LATEST EDITION OF NEC, NFC, NEMA, OSHA, SBC, AND UL.

B. INSPECTIONS REQUIRED: AS PER THE LAWS AND REGULATIONS OF THE LOCAL DISTRICT AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.

C. INSPECTION AGENCY: APPROVED BY THE LOCAL AND/OR DISTRICT AGENCIES HAVING JURISDICTION AT THE PROJECT SITE.

D. CERTIFICATES: SUBMIT ALL REQUIRED INSPECTION CERTIFICATES:

E. CONTRACTOR SHALL COORDINATE AND SCHEDULE INSPECTIONS TO CONFORM WITH CONSTRUCTION SCHEDULE.

2. HANGERS AND SUPPORTS

A. MATERIALS: ALL HANGERS, SUPPORTS, FASTENERS AND HARDWARE SHALL BE ZINC COATED OR OF EQUIVALENT CORROSION RESISTANCE BY TREATMENT OR INHERENT PROPERTY, AND SHALL BE MANUFACTURERED PRODUCTS DESIGNED FOR THE APPLICATION. PRODUCTS FOR OUTDOOR USE SHALL BE HOT DIP GALVANIZED.

B. TYPES: HANGERS, STRAPS, RISER SUPPORTS, CLAMPS, U-CHANNEL, THREADED RODS, ETC. AS INDICATED OR REQUIRED.

C. INSTALLATION: RIGIDLY SUPPORT AND SECURE ALL MATERIALS, RACEWAY AND EQUIPMENT TO BUILDING STRUCTURE USING HANGERS, SUPPORTS AND FASTENERS SUITABLE FOR THE USE. MATERIALS AND LOADS ENCOUNTERED. PROVIDE ALL NECESSARY HARDWARE. PROVIDE CONDUIT SUPPORTS AT MAXIMUM 4 FT. O.C.

D: STRUCTURAL MEMBERS: DO NOT CUT, DRILL, OR WELD ANY STRUCTURAL MEMBER EXCEPT AS SPECIFICALLY APPROVED BY THE ENGINEER.

E. MISCELLANEOUS SUPPORTS: PROVIDE ANY ADDITIONAL STRUCTURAL SUPPORT STEEL BRACKETS, ANGLES, FASTENERS AND HARDWARE AS REQUIRED TO ADEQUATELY SUPPORT ALL ELECTRICAL MATERIALS AND EQUIPMENT.

F. ONE HOLE STRAPS SHALL NOT BE USED FOR CONDUITS LARGER THAN 3/4 INCH.

3. ENCLOSURES

A. NEMA 3R

4. HOLES, SLEEVES AND OPENINGS

A. GENERAL: PROVIDE ALL HOLES, SLEEVES, AND OPENINGS REQUIRED FOR THE COMPLETION OF WORK AND RESTORE ALL SURFACES DAMAGED TO MATCH SURROUNDING SURFACES.

B. CONDUIT PENETRATIONS: SIZE CORE DRILLED HOLES SO THAT AN ANNULAR SPACE OF NOT LESS THAN 1/4" AND NOT MORE THAN 1" IS LEFT AROUND THE CONDUIT, PIPE, ETC. WHEN OPENINGS ARE CUT IN LIEU OF CORE DRILLED. PROVIDE SLEEVE IN ROUGH OPENING. SIZE SLEEVES TO PROVIDE AN ANNULAR SPACE OF NOT LESS THAN 1/4" AND NOT MORE THAN 1" AROUND THE CONDUIT, PIPE, ETC. PATCH AROUND SLEEVE TO MATCH SURROUNDING SURFACE.

5. CUTTING AND PATCHING

A. GENERAL: PROVIDE ALL CUTTING, DRILLING, FITTING AND PATCHING NECESSARY FOR ACCOMPLISHING THE WORK. THIS INCLUDES ANY AND ALL WORK NECESSARY TO: UNCOVER WORK TO PROVIDE FOR THE INSTALLATION OF ILL TIMED WORK, REMOVE AND REPLACE DEFECTIVE WORK AND WORK NOT CONFORMING TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

B. REPAIRS: REPAIR ANY AND ALL DAMAGE TO WORK OF OTHER TRADES CAUSED BY CUTTING AND PATCHING OPERATIONS, USING SKILLED MECHANICS OF THE TRADES INVOLVED.

6. RACEWAY SYSTEMS

A. ALL ABOVE GRADE CONDUIT AND ALL CONDUIT ELBOWS SHALL BE RIGID GALVANIZED STEEL UNLESS NOTED OTHERWISE. ALL BELOW GRADE CONDUIT (EXCEPT ELBOWS) SHALL BE SCHEDULE 40 PVC. TOWER LIGHT CIRCUIT FROM CONTROLLER TO LIGHTS SHALL BE SCHEDULE 40 PVC. RACEWAY BURIAL DEPTH SHALL BE AS PER NEC. USE CLEAN SAND BACKFILL FOR ALL BURIED RACEWAY SYSTEMS.

7. CONDUCTORS

USE 98% CONDUCTIVITY COPPER WITH TYPE XHHW-2 INSULATION, 600 VOLT, COLOR CODED. USE SOLID CONDUCTORS FOR WIRE UP TO AND INCLUDING NO. 8 AWG, STRANDED CONDUCTORS FOR WIRE LARGER THAN NO. 8. USE PRESSURE-TYPE INSULATED TWIST-ON CONNECTORS FOR NO. 10 AWG AND SMALLER, SOLDERLESS MECHANICAL TERMINAL LUGS FOR NO. 8 AWG AND LARGER.

8. ELECTRIC SERVICE

A. GENERAL: COMPLY WITH AND COORDINATE ALL REQUIREMENTS OF THE UTILITY COMPANY.

B. SHORT CIRCUIT RATINGS: PROVIDE EQUIPMENT WITH HIGHER FAULT CURRENT RATINGS AS NEEDED TO MATCH UTILITY COMPANY AVAILABLE FAULT CURRENT.

9. TELEPHONE SERVICE

A. GENERAL: INSTALLATION SHALL BE IN ACCORDANCE WITH TELEPHONE UTILITY COMPANY'S RULES AND REGULATIONS.

10. GROUNDING SYSTEM

A. INSTALLLATION: INSTALL AS INDICATED ON THE DRAWINGS AND AS REQUIRED. OWNER'S REPRESENTATIVE WILL INSPECT CADWELDS AND CONDUCT MEGGER TEST PRIOR TO BURIAL. MAXIMUM 5 OHMS RESISTANCE IS REQUIRED. USE CLEAN SAND AND CLAY BACKFILL FOR BURIED GROUND CONDUCTORS. CONTRACTOR IS RESPONSIBLE TO MEET OR EXCEED 5 OHMS RESISTANCE AND MAY UPGRADE SYSTEMS WITH OWNER APPROVAL.

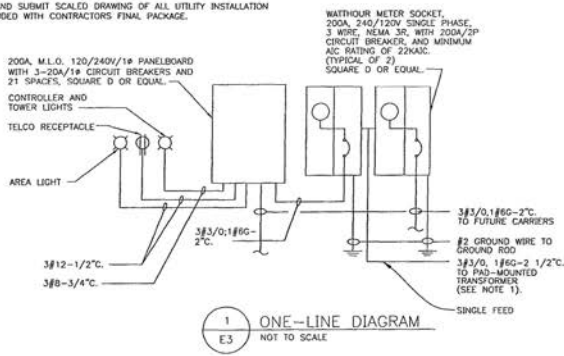
11. CHECKOUT, TESTING AND ADJUSTING

A. CORRECTION/REPLACEMENT: AFTER TESTING BY CONTRACTOR, OWNER OR ENGINEER, CORRECT ANY DEFICIENCIES AND REPLACE MATERIALS AND EQUIPMENT SHOWN TO BE DEFECTIVE OR UNABLE TO PERFORM AT DESIGN OR RATED CAPACITY.

B. POWER CONDUCTORS: CONTRACTOR SHALL CONDUCT A CONTINUITY & INSULATION TEST ON CONDUCTORS BETWEEN SERVICE DISCONNECT SWITCH & POWER CABINET.

C. WHEN SITE POWER IS DERIVED FROM 3 PHASE SOURCE LOAD READINGS WILL BE TAKEN AND RECORDED TO MAINTAIN A BALANCED LOAD AT THE PRIMARY SOURCE. RECORDS SHALL BE TURNED IN TO THE OWNER'S REPRESENTATIVE WITH FINAL SUBMITTAL PACKAGE.

12. ELECTRICAL CONTRACTOR TO PREPARE AND SUBMIT SCALED DRAWING OF ALL UTILITY INSTALLATION INCLUDING CONDUIT RUNS TO BE INCLUDED WITH CONTRACTORS FINAL PACKAGE.



1 / E3 ONE-LINE DIAGRAM
NOT TO SCALE

NOTE: SEE RISER DIAGRAM

1. PROVIDE SERVICE AS INDICATED IF SERVICE IS PROVIDED FROM PAD-MOUNTED TRANSFORMER. IF SERVICE IS FROM POLE-MOUNTED TRANSFORMER, PROVIDE CONDUCTORS AS INDICATED UNDERGROUND TO A FLUSH-IN-GRADE ELECTRIC PULLBOX (QUAZITE COMPOSOLITE OR EQUAL) SIZED PER NEC. PROVIDE 4"C. WITH PULLWIRE FROM PULLBOX TO UTILITY POLE AND EXTEND UP POLE AS DIRECTED BY UTILITY COMPANY. POWER CO. SHALL PROVIDE CONDUCTORS FROM POLE-MOUNTED TRANSFORMER TO PULLBOX.

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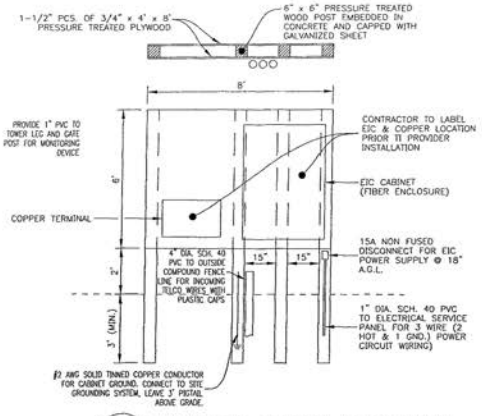
SBA PROPERTIES, INC.
PROJECT #9415

PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS
6708 P.E. NO. | 9153 L.S. NO. | 6-18-01 DATE
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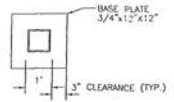
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ELECTRICAL DETAILS & NOTES
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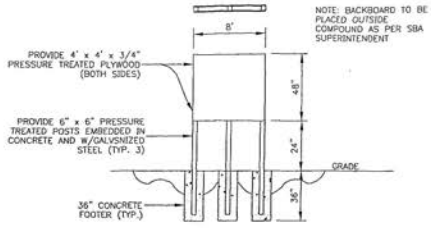
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COM. 00-3742
SBA JOB NUMBER
SHEET NO. E3



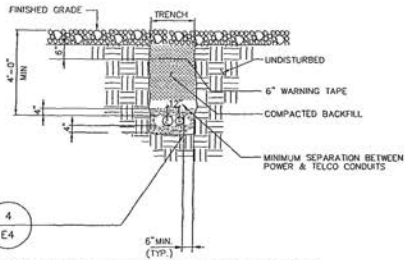
1 / E2 TELEPHONE SUPPORT FRAME DETAIL
NOT TO SCALE



DETAIL A-A



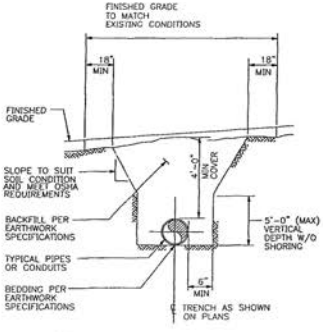
2 / E1 WOOD POWER SUPPORT FRAME DETAIL
NOT TO SCALE



4 / E4

SEPARATION DIMENSION TO BE VERIFIED WITH LOCAL UTILITY CO. REQUIREMENTS

4 / E1 UNDERGROUND CONDUIT(S) ELECTRIC/TELEPHONE
NO SCALE



4 / E4 TYPICAL TRENCH
NO SCALE

NOTES

1. WATT-HOUR METER SOCKETS/SERVICE DISCONNECTING MEANS. SMECO TO PROVIDE METERS (SEE 1/E3). PROVIDE IN ACCORDANCE WITH SMECO REQUIREMENTS.
2. IF REQUIRED WIREWAY SHALL BE NEMA 3R GALVANIZED SHEET STEEL WITH HASP FOR PADLOCK.
3. ALL NEW STRUCTURAL STEEL SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 G90 AFTER FABRICATION.
4. FIELD ABRASIONS SHALL BE TOUCH UP PAINTED WITH ZINC RICH GALVANIZING REPAIR PAINT IN ACCORDANCE WITH ASTM A780.
5. BOLT 4'x8'x3/4" PRESSURE TREATED PLYWOOD BACKBOARD TO TELEPHONE SUPPORT FRAME. PROVIDE PRIMER COAT AND TWO COATS GRAY EXTERIOR ENAMEL TO PLYWOOD.
6. PROVIDE 200LB. TEST PULL WIRES IN EACH TELEPHONE AND POWER CONDUIT. STUB CONDUITS INTO ENCLOSURE AND LABEL.
7. PROVIDE 4'x4'x8"D. NEMA 3R LOCKABLE STEEL ENCLOSURE (SUN WEST SB SERIES OR EQUAL) FOR TELEPHONE CABLE TERMINATION OR MOUNTS FOR BELL ATLANTIC EIC CABINET. COORDINATE WITH TELCO PROVIDER.
8. PROVIDE 4" SQ.x2"D. WP BOX ON BACKBOARD. EXTEND #6G. FROM GROUND RING INTO BOX, LEAVE 10' FT. COILED WIRE IN BOX FOR FUTURE USE.
9. PROVIDE WEATHERPROOF GFI 20A/125VOLT RECEPTACLE 48" ABOVE FINISHED GRADE; MOUNT TO BACKBOARD.
10. ALL EXPOSED ENDS OF CONDUITS SHALL HAVE WEATHER PROOF CAPS NOT DUCT TAPE.

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

OWNER INITIALS

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
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PHONE: 410-267-0744

NO.	REVISIONS	BY	DATE
1.	AS REQUESTED	A.V.B.	6/18

SBA PROPERTIES, INC.
PROJECT #9415

PREPARED UNDER THE SUPERVISION OF: C. DOUGLAS MEEKINS

6708	9153	6-18-01
P.I. NO.	L.S. NO.	DATE

DESIGNED: M.D.M. | CHECKED: A.V.B. | SCALE: AS SHOWN
DRAWN: M.J.B. | DATE: | REF.:

PREPARED FOR
SBA PROPERTIES INC.
C/O KEVIN EVERHART
8401 CORPORATE DRIVE
SUITE 560
LANDOVER, MARYLAND 20785

ELECTRICAL DETAILS
PENN BRANCH PLAZA - SBA
3200 - 3244 PENNSYLVANIA AVE., S.E.
LOTS 835, 836, 839 AND 840, SQUARE 5539
WARD 7, ANC-7B, DISTRICT OF COLUMBIA

DATE: 6-18-01
COM: 00-3742
SBA JOB NUMBER
SHEET NO. E4