

# D.C. UNITED™ STADIUM



## SECTION

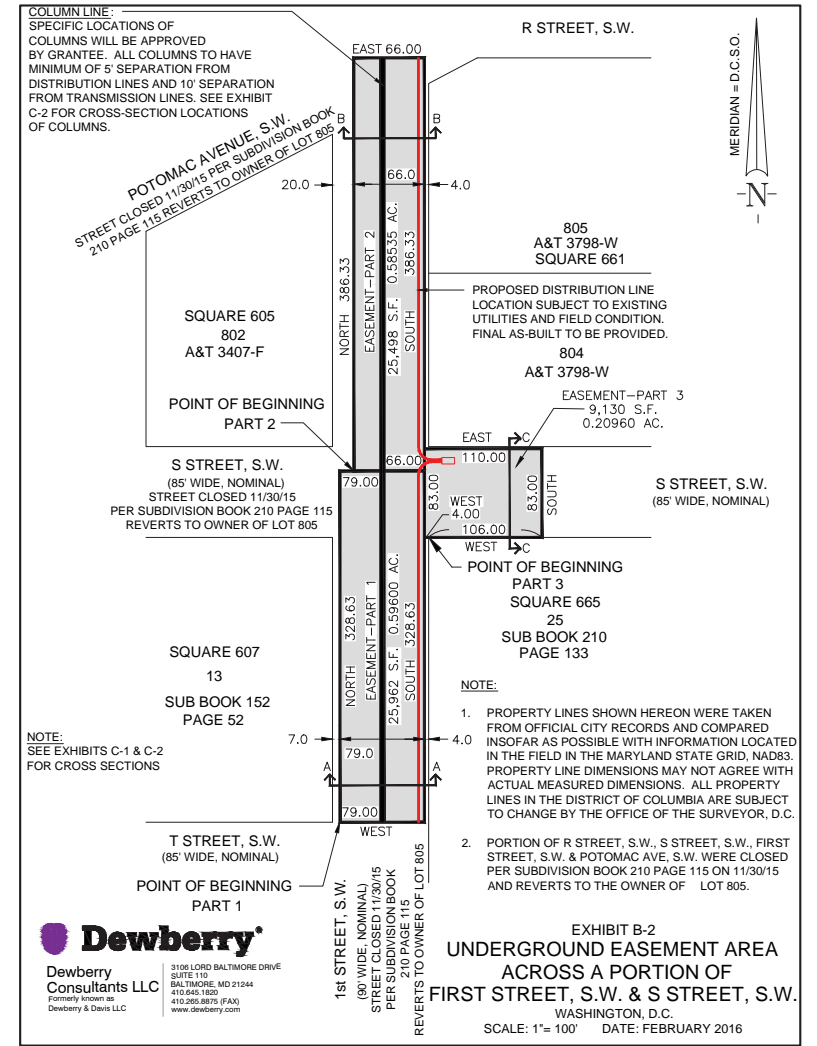
# 06

CIVIL DRAWINGS

HARDSCAPE/LANDSCAPE  
DRAWINGS

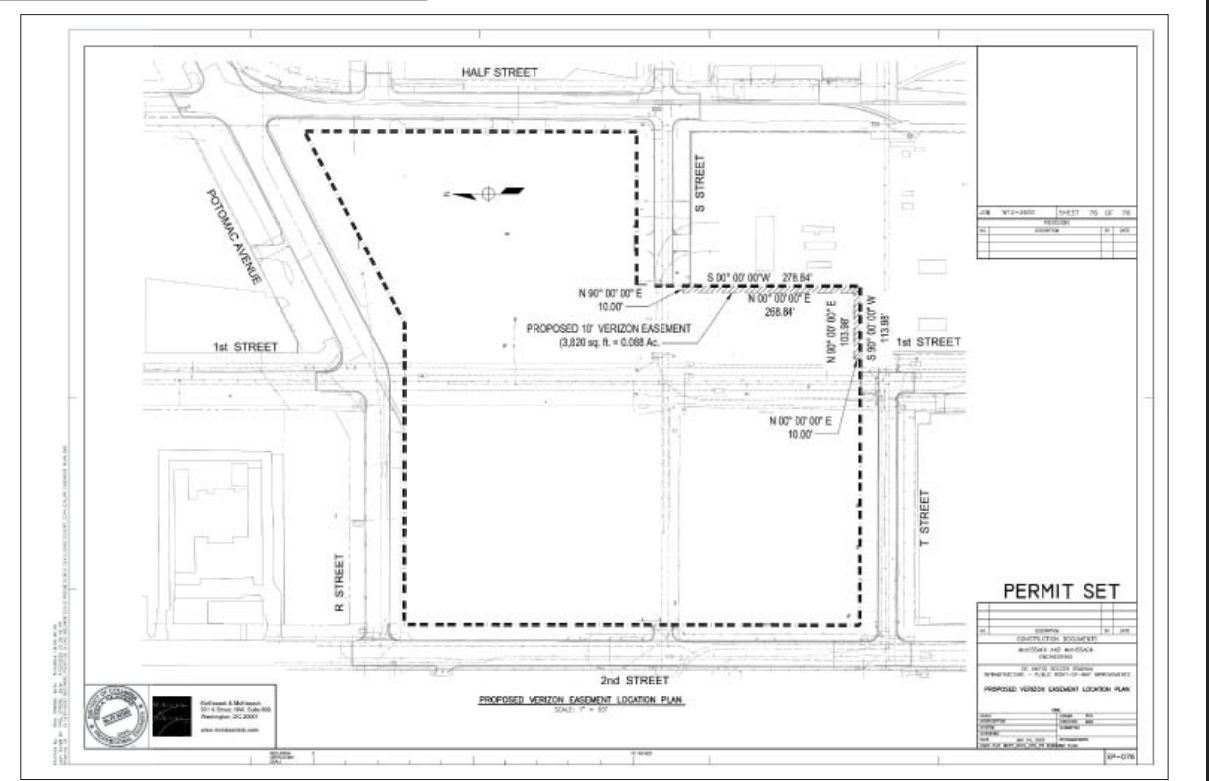
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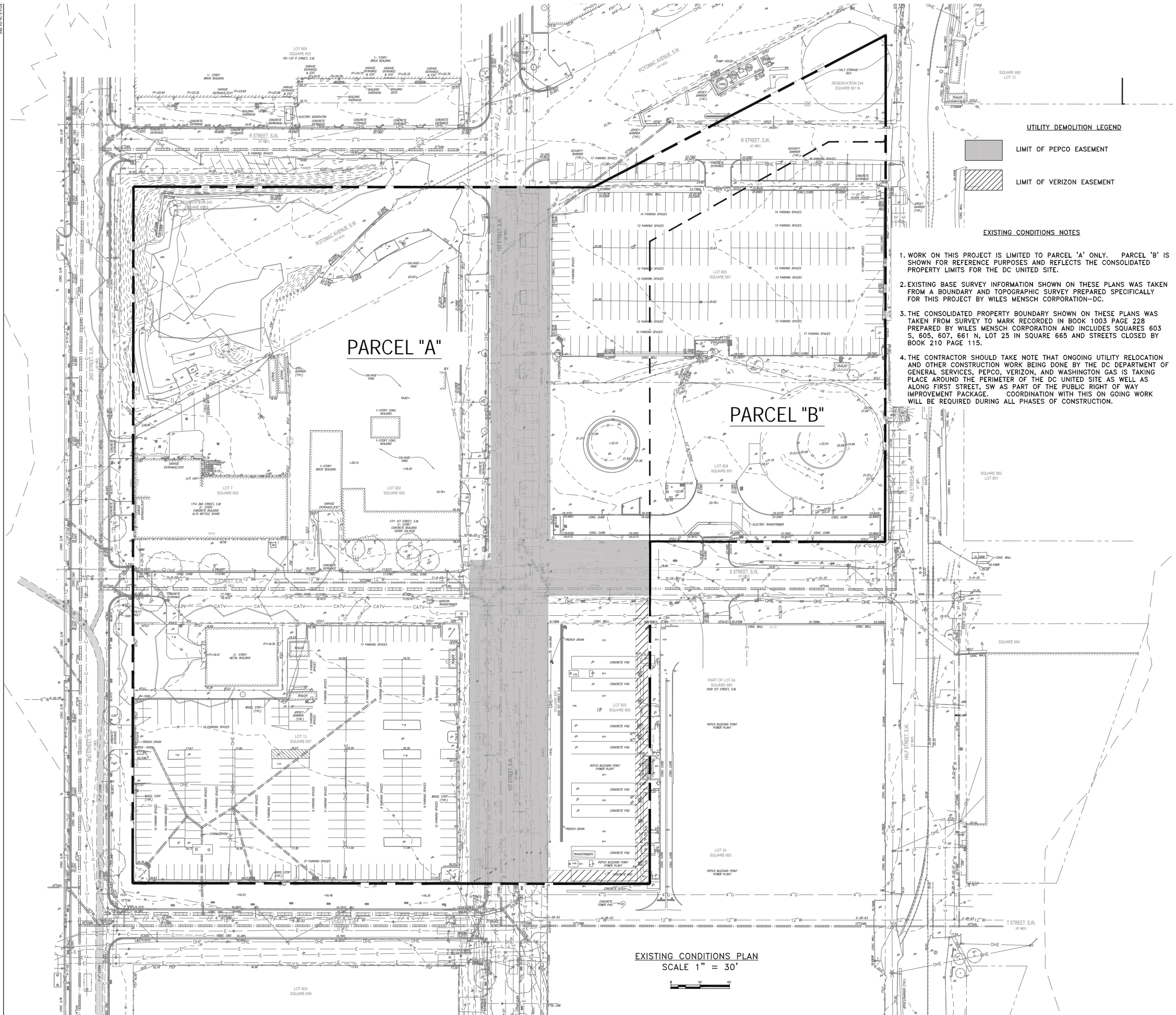
ABBREVIATIONS		ABBREVIATIONS:	
ABAN	ABANDONED	LEV	LONG LEG VERTICAL
AFF	ABOVE FINISH FLOOR	LP	LOW POINT OR LIGHT POLE
AGIP	AT GRADE INLET PROTECTION	LR	LONG RADIUS
ALUM	ALUMINUM	LVB	LOWER VERTICAL BEND
APPROX	APPROXIMATE	MAX	MAXIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MIN	MINIMUM
BET	BETWEEN	MD	METAL DECK
BL	BELIEVE	MG	MEET GRADE
BLD	BUILDING	MI	MECHANICAL JOINT
BLF	BLIND FLANGE	MO	MASONRY OPENING
BLDG	BUILDING	MOH	MONUMENT
BUF	BUTTERFLY VALVE	MFR	MANUFACTURER
BW	BACK OF WALK	MH	MANHOLE
CJ	CONSTRUCTION JOINT	MISC	MISCELLANEOUS
CL	CENTERLINE	NA	NEUTRAL AXIS
C&G	CURB AND GUTTER	N	NORTH
CB	CATCH BASIN	NIC	NOT IN CONTRACT
CG	CHANGE OF GRADE	NO	NUMBER
CL	CLEARANCE	NOB	NOMINAL
CLF	CHAIN LINK FENCE	NS	NON-SHRINK
CMU	CONCRETE MASONRY UNIT	N/A	NOT APPLICABLE
CO	CLEAN OUT	OC	ON CENTER
COL	COLUMN	OD	OUTSIDE DIAMETER
COMM	COMMUNICATIONS	PC	POINT OF CURVE
CONC	CONCRETE	POC	PORTLAND CEMENT
CONT	CONTINUOUS	PCP	PRESTRESSED CONCRETE
CRS	CHEMICAL RECEIVING STATION	PCPF	PRECOMPRESSED JOINT FILLER
CW	CITY WATER	PF	PLAIN END
C/C	CENTER TO CENTER	PSL	PROFILE GRADE LINE
D	DRAIN	PI	POINT OF INTERSECTION
DB	DUCT BANK	PJF	PREFORMED JOINT FILLER
DI	DROP INLET	L	PLATE
DIP	DUCTILE IRON PIPE	PM	PROCESS MANHOLE
DI (Ø)	DIAMETER	PCC	POINT ON CURVE
DN	DOWN	POT	POINT ON TAKEOFF
DRN	PROCESS DRAIN	PROP	PROPOSED
DV	DIVERTER VALVE	PRV	PRESSURE RELIEF VALVE
DWG	DRAWING	PV	PLUG VALVE
DWV	DRAIN, WASTE, AND VENT	PVC	POLYVINYL CHLORIDE
E	EAST	R	RADIUS
EA	EACH	RCF	REINFORCED CONCRETE PIPE
EF	EACH FACE	RD	ROOF DRAIN
EJ	EXPANSION JOINT	RED	REDUCER
ELEC	ELECTRIC	REF	ROOF EXHAUST FAN
ELEV OR BL	ELEVATION	REQ'D	REQUIRED
EMH	ELECTRIC MANHOLE	RPT	POINT OF TANGENCY
ETC	ETCETERA	RR	RAILROAD
ETR	EXISTING TO REMAIN	RFB	RIP-RAP INFLOW PROTECTION
EW	EACH WAY	R	RIGHT
EXIST	EXISTING	S	SOUTH
EXP	EXPANSION	SAN	SANITARY SEWER
FCA	FLANGED COUPLING ADAPTER	SCH	SCHEDULE
FD	FLOOR DRAIN	SD	STABILIZED CONSTRUCTION ENTRANCE
FE	FIRE EXTINGUISHER	SD	STORM DRAIN
FF	FIRST FLOOR	SMH	SANITARY SEWER MANHOLE
FH	FIRE HYDRANT	SSF	SUPER SILT FENCE
FLG	FLANGE	SLV	SHORT LEG VERTICAL
FLR	FLOOR	SQ	SQUARE
FM	FORCE MAIN	SS	STAINLESS STEEL
FT	FEET	ST	STORM SEWER
GALV	GALVANIZED	STNH	STORM SEWER MANHOLE
GRS	GALVANIZED RIGID STEEL	STA	STATION
GND	GROUND	TR	TREADS
GPR	GROUND PENETRATING RADAR	TDC	TOP OF CASTING
GSP	GALVANIZED STEEL PIPE	TGG	TOP OF GRATING
HB	HOSE BIBB	TOS (T/S)	TOP OF STEEL
HDR	HORIZONTAL	OT	OR TOP OF SLAB
HP	HIGH POINT	TSDS	TEMPORARY STONE OUTLET STRUCTURE
HSB	HIGH STRENGTH (BOLT)	TYP	TYPICAL
ID	INSIDE DIAMETER	UND	UNLESS NOTED OTHERWISE
IN	INCH	UVB	UPPER VERTICAL BEND
INS	INSULATION	VAF	VARIABLE
INT	INTERSECT	VC	VERTIFIED CLAY
LB	LONG		



- SURVEY NOTES**
- EXISTING BASE SURVEY INFORMATION SHOWN ON THESE PLANS WAS TAKEN FROM A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED SPECIFICALLY FOR THIS PROJECT BY WILES MENSCH CORPORATION-DC WITH THE LAST DATE OF FIELD SURVEY BEING JANUARY 12, 2016.
  - THE CONSOLIDATED PROPERTY BOUNDARY SHOWN ON THESE PLANS WAS TAKEN FROM SURVEY TO MARK RECORDED IN BOOK 1003 PAGE 228 PREPARED BY WILES MENSCH CORPORATION AND INCLUDES SQUARES 603 S, 605, 607, 661 N, LOT 25 IN SQUARE 665 AND STREETS CLOSED BY BOOK 210 PAGE 115.
  - ELEVATIONS SHOWN ARE REFERENCED TO DCDPW DATUM (BM 12-7 & 12-11). MERIDIAN REFERENCED TO DCSO NORTH BY HOLDING 2ND STREET, SW AS N-S.
  - VISIBLE ABOVE GROUND UTILITIES WERE SHOWN ON THE SURVEY. SUBSURFACE UTILITIES, WHERE SHOWN, FOLLOW ASCE 38-02 QUALITY LEVELS A-D. A: VISUALLY VERIFIED VIA TEST HOLES; B: DESIGNATED AND SURVEYED; C: RECORD INFORMATION CORRELATED WITH SURVEYED SURFACE FEATURES; D: RECORD INFORMATION ONLY. WHERE SUBSURFACE UTILITIES HAVE BEEN APPARENTLY DESIGNATED BY OTHERS ON SITE, THOSE UTILITY LOCATIONS HAVE BEEN SHOWN AS QUALITY LEVEL C. OTHER UTILITIES MAY EXIST THAT ARE NOT SHOWN ON THE SURVEY. UNLESS OTHERWISE NOTED ABOVE, UTILITIES SHOWN ON THE SURVEY REPRESENT QUALITY LEVEL C.
  - THE PROPERTY IS IDENTIFIED AS ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE OF FLOODING AS IDENTIFIED ON FLOOD INSURANCE RATE MAP (FIRM) COMMUNITY PANEL 11000100 57C, EFFECTIVE DATE SEPTEMBER 27, 2010.

- VOLUNTARY CLEANUP ACTION PLAN NOTES**
- THE CONTRACTOR SHALL TAKE NOTE THAT CONTAMINATED SOIL AND OTHER MATERIALS EXIST ONSITE THAT MUST BE REMOVED IN ACCORDANCE WITH THE DOEE APPROVED VOLUNTARY CLEANUP ACTION PLAN (VCAP) AND HUMAN HEALTH RISK ASSESSMENT (HRS) FOR THE DC UNITED PROJECT SITE. THESE DOCUMENTS ARE AVAILABLE FROM THE CONSTRUCTION MANAGER AND DESCRIBE THE EXCAVATION PROCEDURES RELATED TO THE SOIL REMEDIATION.
  - FUGITIVE DUST CONTROL DURING DEMOLITION AND EXCAVATION OPERATIONS IS ALSO REQUIRED UNDER THE REQUIREMENT OF THE VCAP AND HRS. A SEPARATE SPECIFICATION IS AVAILABLE FROM THE CONSTRUCTION MANAGER THAT DESCRIBES THE REQUIREMENTS FOR FUGITIVE DUST CONTROL ON THE PROJECT.





**UTILITY DEMOLITION LEGEND**

- LIMIT OF PEPCO EASEMENT
- LIMIT OF VERIZON EASEMENT

**EXISTING CONDITIONS NOTES**

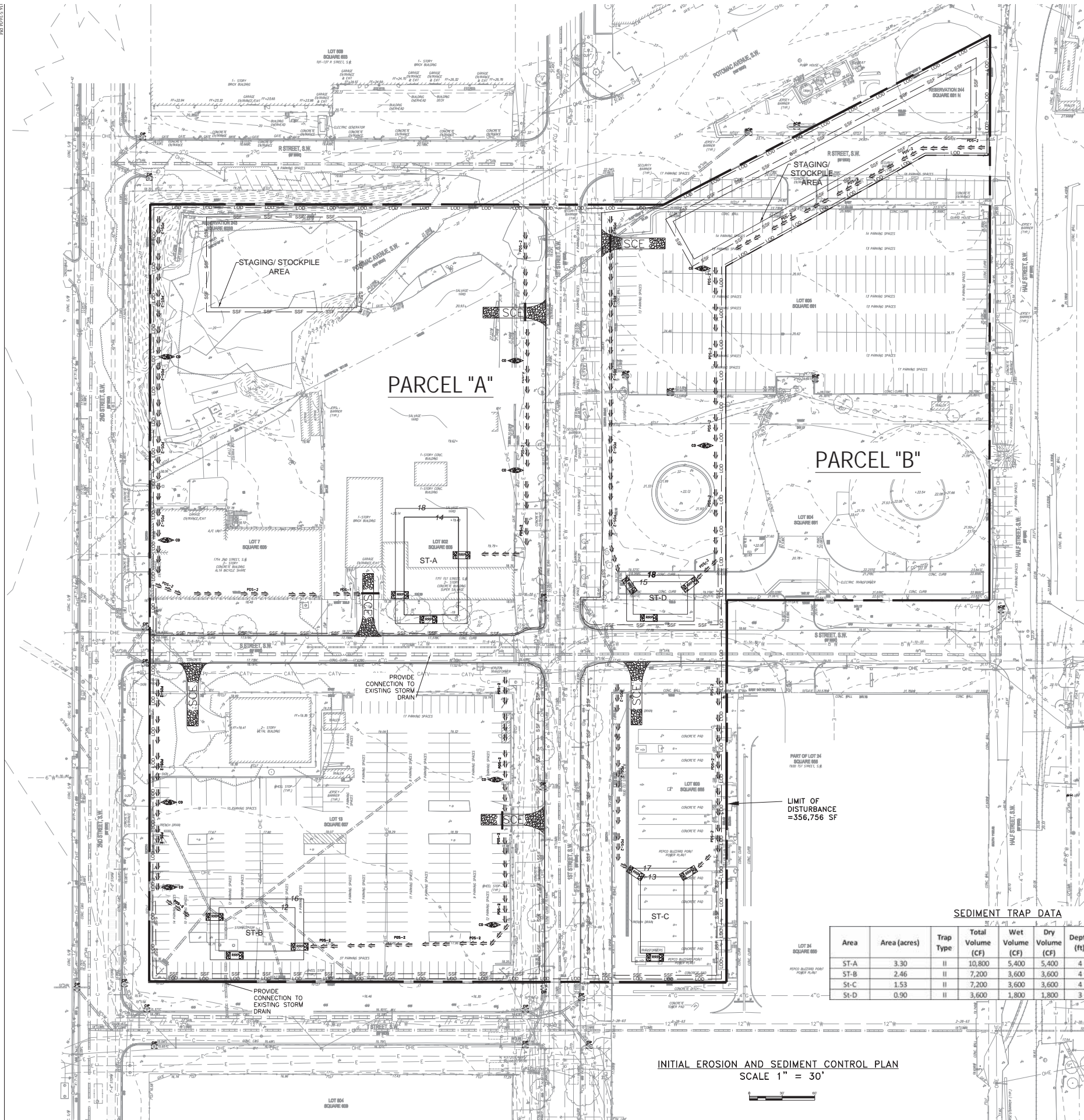
1. WORK ON THIS PROJECT IS LIMITED TO PARCEL 'A' ONLY. PARCEL 'B' IS SHOWN FOR REFERENCE PURPOSES AND REFLECTS THE CONSOLIDATED PROPERTY LIMITS FOR THE DC UNITED SITE.
2. EXISTING BASE SURVEY INFORMATION SHOWN ON THESE PLANS WAS TAKEN FROM A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED SPECIFICALLY FOR THIS PROJECT BY WILES MENSCH CORPORATION-DC.
3. THE CONSOLIDATED PROPERTY BOUNDARY SHOWN ON THESE PLANS WAS TAKEN FROM SURVEY TO MARK RECORDED IN BOOK 1003 PAGE 228 PREPARED BY WILES MENSCH CORPORATION AND INCLUDES SQUARES 603 S, 605, 607, 661 N, LOT 25 IN SQUARE 665 AND STREETS CLOSED BY BOOK 210 PAGE 115.
4. THE CONTRACTOR SHOULD TAKE NOTE THAT ONGOING UTILITY RELOCATION AND OTHER CONSTRUCTION WORK BEING DONE BY THE DC DEPARTMENT OF GENERAL SERVICES, PEPCO, VERIZON, AND WASHINGTON GAS IS TAKING PLACE AROUND THE PERIMETER OF THE DC UNITED SITE AS WELL AS ALONG FIRST STREET, SW AS PART OF THE PUBLIC RIGHT OF WAY IMPROVEMENT PACKAGE. COORDINATION WITH THIS ON GOING WORK WILL BE REQUIRED DURING ALL PHASES OF CONSTRUCTION.

**PARCEL "A"**

**PARCEL "B"**

**EXISTING CONDITIONS PLAN**  
SCALE 1" = 30'





**EROSION AND SEDIMENT CONTROL LEGEND**

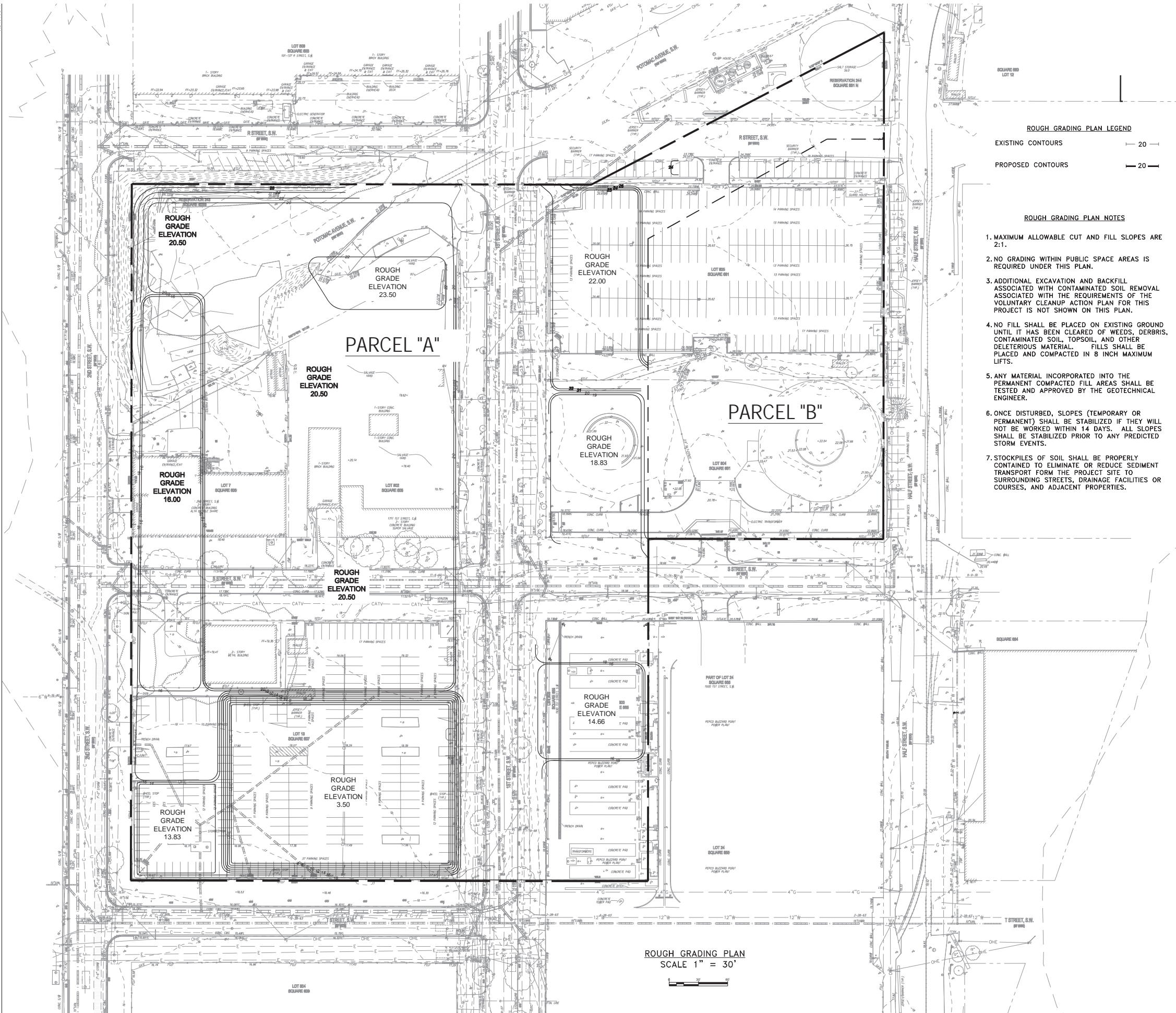
- SUPER SILT FENCE — SSF
- PERIMETER DIKE/SWALE — PD-1
- LIMIT OF DISTURBANCE (LOD) — LOD
- STABILIZED CONSTRUCTION ENTRANCE — SCE
- RIPRAP OUTLET SEDIMENT TRAP — ST-1
- RIPRAP INFLOW PROTECTION — RRP
- CURB INLET PROTECTION — CIP
- AT GRADE INLET PROTECTION — AGIP
- STONE CHECK DAM — SCD
- TEMPORARY STONE OUTLET STRUCTURE — TOS

- EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION FOR DEMOLITION AND EXCAVATION PACKAGE WORK**
1. NOTIFY THE DISTRICT DEPARTMENT OF ENVIRONMENT (DOEE) TO HOLD A PRE-CONSTRUCTION MEETING AT (202) 536-2977. NOTIFY DOEE AT LEAST 72 HOURS BEFORE COMMENCING ANY LAND DISTURBING ACTIVITY.
  2. INSTALL ALL EROSION CONTROL DEVICES IN ACCORDANCE WITH THE APPROVED PLAN. NOTIFY THE DOEE SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PROCEEDING FURTHER.
  3. INSTALL SECURITY FENCING AROUND THE PERIMETER OF THE STADIUM SITE. INSTALL SAFETY FENCING AROUND THE PERIMETER OF ALL OPEN EXCAVATION AREAS.
  4. COORDINATE ALL DEMOLITION AND EXCAVATION WORK WITH THE REQUIREMENTS OF THE VOLUNTARY CLEANUP ACTION PLAN.
  5. REMOVE ALL EXISTING PAVEMENT AND BASE EXCEPT FOR S STREET SW AND FIRST STREET SW. THESE AREAS ARE TO REMAIN IN PLAC FOR AS LONG AS POSSIBLE TO CREATE A WORKING PLATFORM.
  6. REMOVE SLABS ON-GRADE AND BELOW GRADE FOUNDATION RELATED TO FORMER BUILDING STRUCTURES. REMOVE EXISTING UTILITY LINES AND OTHER SITE FEATURES AS INDICATED.
  7. COORDINATE UTILITY REMOVAL WORK WITH THE WORK BEING DONE AROUND THE PERIMETER OF THE SITE WITH THE VARIOUS PUBLIC REALM PLAN CONSTRUCTION CONTRACTORS.
  8. AT THE END OF DEMOLITION AND EXCAVATION OPERATIONS STABILIZE ALL AREAS PRIOR TO THE START OF FOOTING TO GRADE WORK WHICH IS PART OF ANOTHER PERMIT PACKAGE.

**SEDIMENT TRAP DATA**

Area	Area (acres)	Trap Type	Total Volume (CF)	Wet Volume (CF)	Dry Volume (CF)	Depth (ft)	Length (ft)	Width (ft)	Elevation at Bottom	Elevation at Rim	Remarks
ST-A	3.30	II	10,800	5,400	5,400	4	90	50	18	14	Stone Riprap Outlet
ST-B	2.46	II	7,200	3,600	3,600	4	70	40	16	12	Stone Riprap Outlet
ST-C	1.53	II	7,200	3,600	3,600	4	70	40	17	13	Stone Riprap Outlet
ST-D	0.90	II	3,600	1,800	1,800	3	50	30	18	15	Stone Riprap Outlet

**INITIAL EROSION AND SEDIMENT CONTROL PLAN**  
SCALE 1" = 30'



**ROUGH GRADING PLAN LEGEND**

- EXISTING CONTOURS — 20 —
- PROPOSED CONTOURS — 20 —

**ROUGH GRADING PLAN NOTES**

1. MAXIMUM ALLOWABLE CUT AND FILL SLOPES ARE 2:1.
2. NO GRADING WITHIN PUBLIC SPACE AREAS IS REQUIRED UNDER THIS PLAN.
3. ADDITIONAL EXCAVATION AND BACKFILL ASSOCIATED WITH CONTAMINATED SOIL REMOVAL ASSOCIATED WITH THE REQUIREMENTS OF THE VOLUNTARY CLEANUP ACTION PLAN FOR THIS PROJECT IS NOT SHOWN ON THIS PLAN.
4. NO FILL SHALL BE PLACED ON EXISTING GROUND UNTIL IT HAS BEEN CLEARED OF WEEDS, DERBRIS, CONTAMINATED SOIL, TOPSOIL, AND OTHER DELETERIOUS MATERIAL. FILLS SHALL BE PLACED AND COMPACTED IN 8 INCH MAXIMUM LIFTS.
5. ANY MATERIAL INCORPORATED INTO THE PERMANENT COMPACTED FILL AREAS SHALL BE TESTED AND APPROVED BY THE GEOTECHNICAL ENGINEER.
6. ONCE DISTURBED, SLOPES (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 14 DAYS. ALL SLOPES SHALL BE STABILIZED PRIOR TO ANY PREDICTED STORM EVENTS.
7. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE PROJECT SITE TO SURROUNDING STREETS, DRAINAGE FACILITIES OR COURSES, AND ADJACENT PROPERTIES.