

SITE ANALYSIS DATA CHART

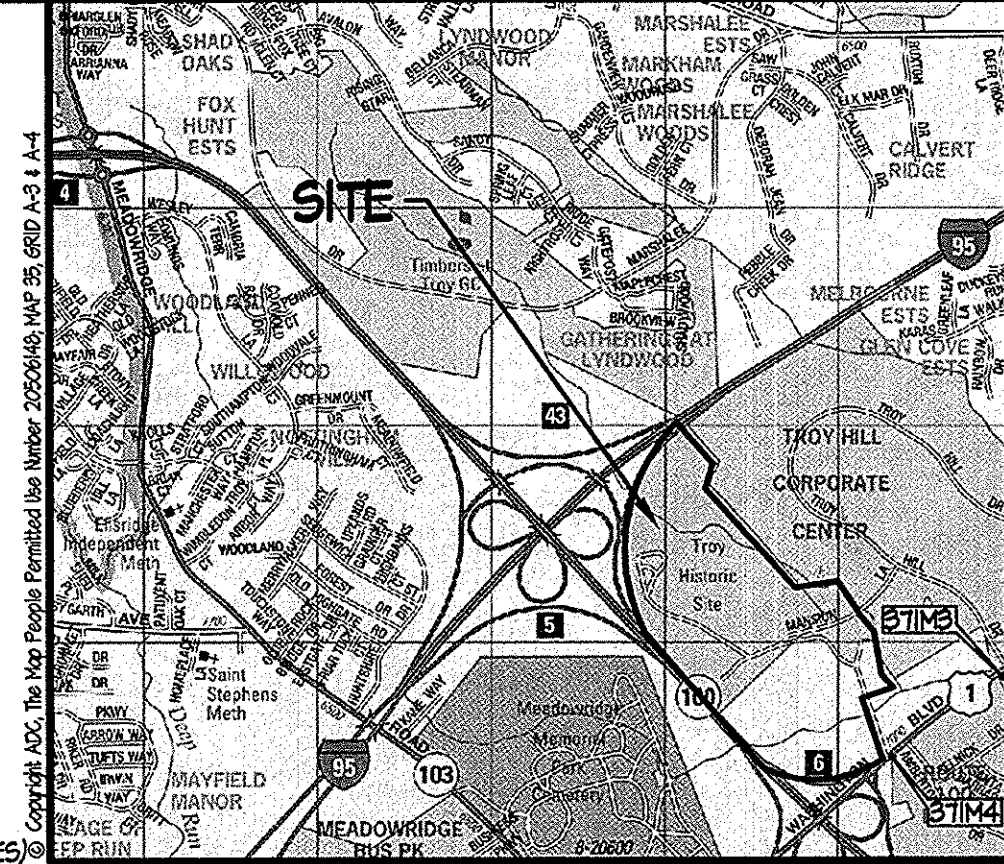
a. Total Project Area: 101.84 Ac +/- / 4,438,403 SF
 b. Limit of Submission: 25.87 Ac +/- / 1,126,426 SF
 c. Limit of Disturbed Area: 20.41 Ac +/- / 884,066 SF
 d. Present Zoning Designation: M-1
 e. Proposed Use for Site and Structures: Sports Fields, Pavilions, Restrooms and Associated Parking & S/M
 f. Parking Spaces Required: 100 SPACES
 g. Floodplain Within Limit of Submission: 0.00 Ac +/-

PARKING TABULATION

a. REQUIRED (AS DETERMINED BY DRP):
 50 SPACES PER FIELD X 2 FIELDS 100 SPACES
 10 SPACES PER PLAYGROUND X 1 PLAYGROUND 10 SPACES
 0 SPACES PER PAVILION X 9 PAVILIONS * 0 SPACES
 TOTAL 110 SPACES REQUIRED

b. PROVIDED:
 PHASE 1 - THREE PARKING LOTS 146 SPACES PROVIDED (INCLUDING 8 ACCESSIBLE SPACES)
 PHASE 2 - TWO PARKING LOTS 496 SPACES PROVIDED (INCLUDING 14 ACCESSIBLE SPACES AND 5 BUS PARKING SPACES)
 TOTAL - FIVE PARKING LOTS 641 SPACES PROVIDED (INCLUDING 22 ACCESSIBLE SPACES AND 5 BUS PARKING SPACES)

c. EXCESS PROVIDED FOR THIS SITE PLAN APPROVAL 386 SPACES
 d. EXCESS PROVIDED FROM SDP-11-003 46 SPACES
 e. TOTAL AVAILABLE FOR FUTURE BUILDING PROGRAM 432 SPACES



VICINITY MAP 1"=200'

BENCHMARKS NAD83/91 & NAVD83 IN USE

#11M2 ALSO KNOWN AS R-125 N66 P.D. JY0620 ELEV: 123.461
 BRASS DISC ON BRIDGE ABUTMENT ON US-1 0.5 MI. NORTHEAST OF RT-100.
 #11M4 ALSO KNOWN AS N/A N66 P.D. N/A ELEV: 170.156
 LIGHT POLE BOLT AT END OF RAMP FROM I-100 TO US-1 SBL.

* PER DRP: PAVILIONS ARE DESCRIBED BY ARCHITECTURAL BUILDING TYPE AND TITLE ONLY. AS A FUNCTION, THEY ARE SHADE STRUCTURES AND RESTROOM FACILITIES ANCILLARY TO THE SPORTS FIELDS. THEY ARE NOT RENTAL FACILITIES AND THEREFORE NO PARKING REQUIREMENTS ARE REQUIRED FOR THESE BUILDINGS.

PROJECT PARCEL/LOT DESCRIPTION

THE TROY PARK PHASE 2 PROJECT IS COMPRISED OF THE FOLLOWING PARCELS:

PARCEL A-22	FLAT #5170	RECORDED FLAT
PARCEL A-21	FLAT #5171	RECORDED FLAT
TAX MAP 97	TAX PARCEL #345	UNRECORDED TAX PARCEL
TAX MAP 97	TAX PARCEL #342	UNRECORDED TAX PARCEL
TAX MAP 97	TAX PARCEL #561	UNRECORDED TAX PARCEL

DRAWING INDEX

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22 OF 67	CO.02	STORM DRAIN PROFILES
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24 OF 67	CO.04	STORM DRAIN PROFILES
25 OF 67	CO.05	STORM DRAIN PROFILES
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34 OF 67	CO.04	GRADING PLAN
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36 OF 67	CO.02	DETAIL LAYOUT & GRADING PLAN
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39 OF 67	ESC1.00	EROSION AND SEDIMENT CONTROL SITE MAP
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48 OF 67	SWM1.00	STORMWATER MANAGEMENT SITE MAP
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53 OF 67	SWM2.01	STORMWATER MANAGEMENT DETAILS
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55 OF 67	SWM2.01	STORMWATER MANAGEMENT NOTES
56 OF 67	SWM2.02	STORMWATER MANAGEMENT NOTES
57 OF 67	SWM2.01	STORMWATER MANAGEMENT SOIL BORINGS
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67 OF 67	RW1.02	RETAINING WALL PLAN

PERMIT INFORMATION CHART

Subdivision Name TROY HILL CORPORATE CENTER PH. III B	Sheet/Block TROY PARK	Lot/Parcel # PARCEL 0135, LOTS A-21/A-22
Plan # or Plat L171 / F414 Plat 18170	Grid # 17 & 18	Zoning M-1
Year Code 400	Year Map No. 97	Elec. Dist. 1
Water Code 400	Sewer Code 2152200	Census Tract 6012.02

APPROVED: DEPARTMENT OF PLANNING & ZONING
 Director: [Signature]
 Chief, Development Engineering Division: [Signature]
 Chief, Division of Land Development: [Signature]

DATE: 9/14/14
 DATE: 9-3-14
 DATE: 9-18-14

ADDRESS / PERMIT INFORMATION
 PARCEL 361, 348, 349, 350
 ADDRESS: 6450 MANSION LANE
 L371 / F414, L1055 / F371, L1205 / F340, L5183 / F600, L5341 / F118, L4833 / F451, L4835 / F490, L4835 / F. 640
 GRID 17 & 18, ZONE M-1, TAX MAP NO. 97
 IN ELECTION DISTRICT, CENSUS TRACT 6012.02
 WATER CODE: 400, SEWER CODE: 2152200

OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7100 OAKLAND MILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 382-2100

DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7100 OAKLAND MILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 382-2100

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services

14315 Armitville Pike • Poolesville, Maryland 21131
 (410) 683-3388 • Fax (410) 683-3389

DES: JLT	DRN: JLT/AM	CHK: AFE	DATE: 08/14/14
BY	NO.	REVISION	DATE

COVER SHEET

CAPITAL PROJECT NO. N-3457	BLOCK NO. 16
600' SCALE MAP NO. 51	REVISION

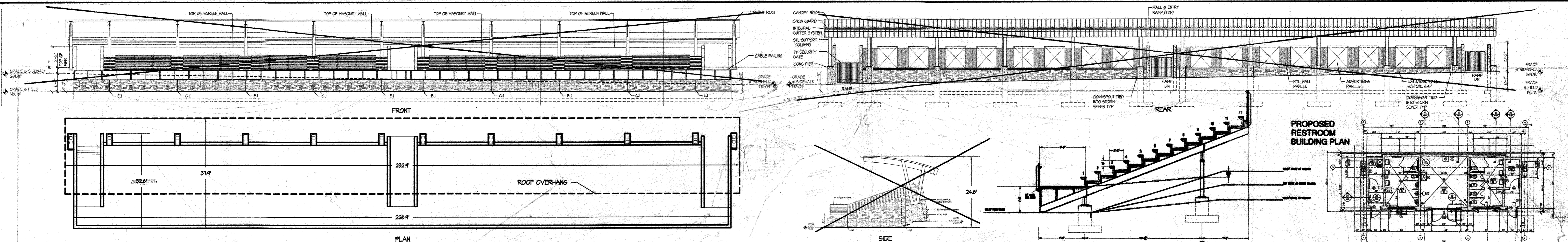
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE III PARCELS A-21 AND A-22

SCALE: 1"=200'

CO.01

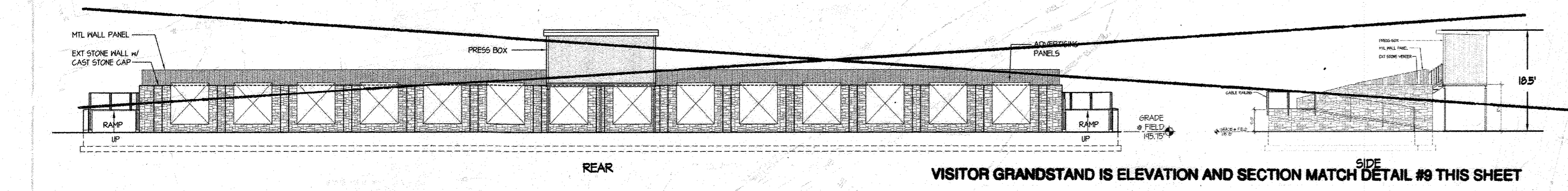
SHEET 1 OF 67

SDP-14-033



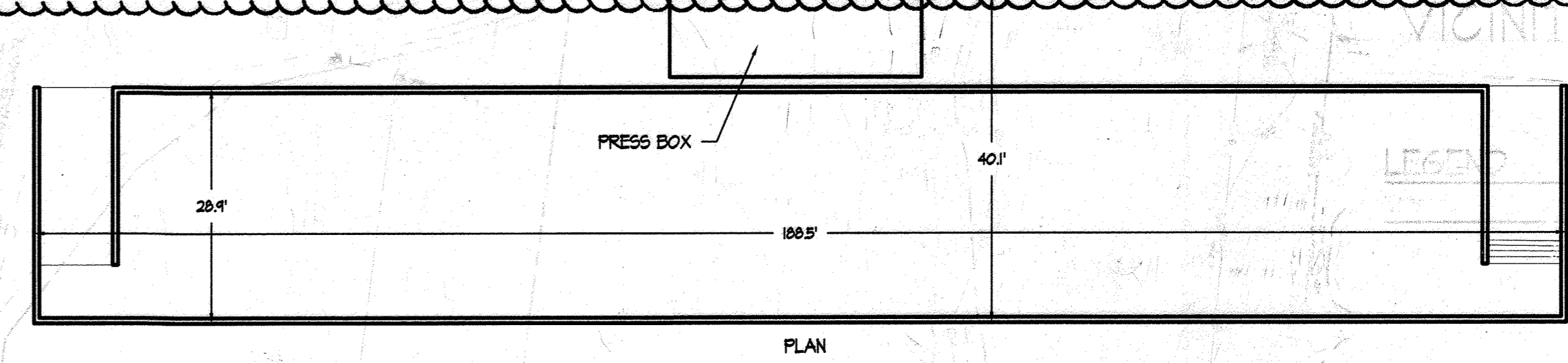
1 CHAMPIONSHIP FIELD (FIELD 1) HOME GRANDSTAND

SCALE: 1/16"=1'



2 CHAMPIONSHIP FIELD (FIELD 1) VISITOR GRANDSTAND

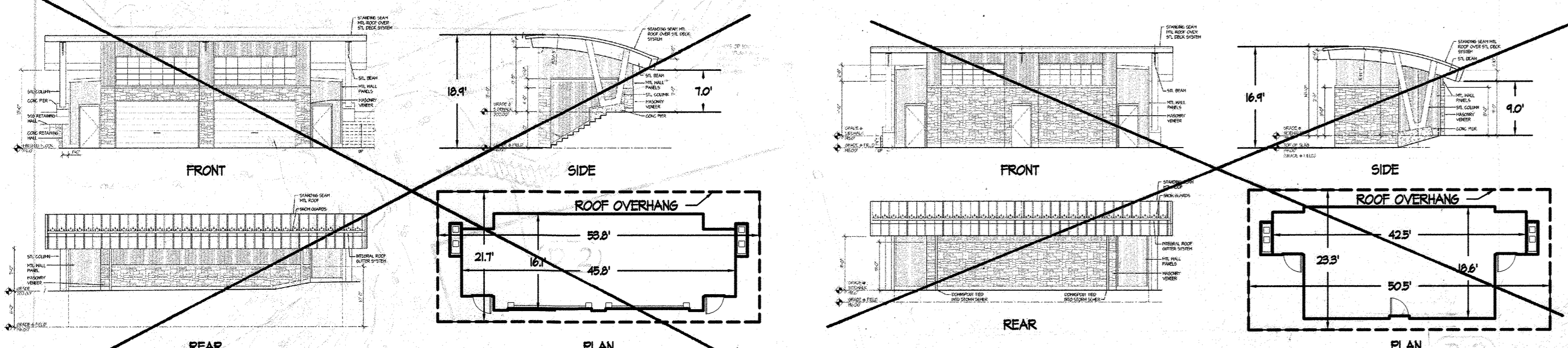
FRONT ELEVATION SIMILAR TO HOME GRANDSTAND WITHOUT ROOF CANOPY



PRESS BOX

PLAN

SCALE: 1/16"=1'

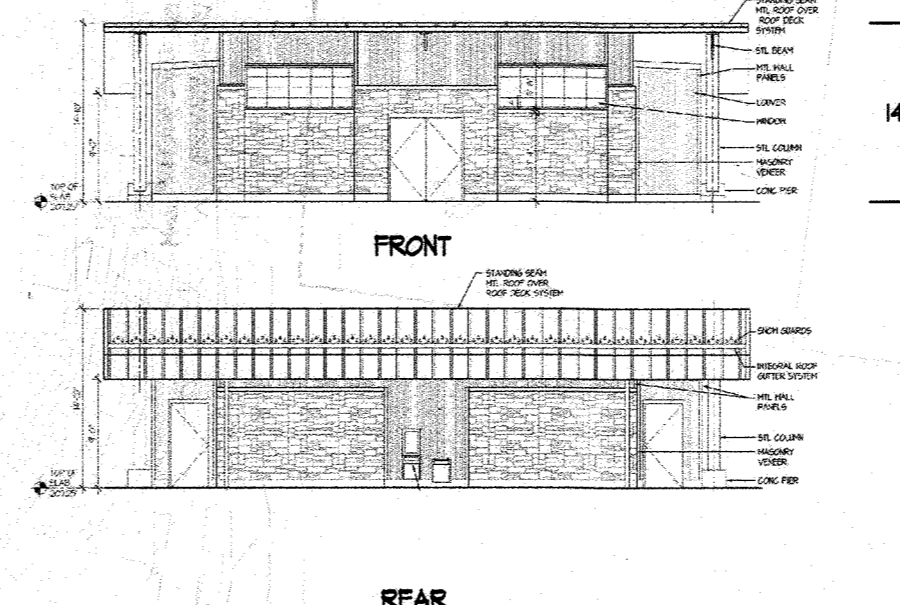


3 GRANDSTAND STORAGE BUILDING

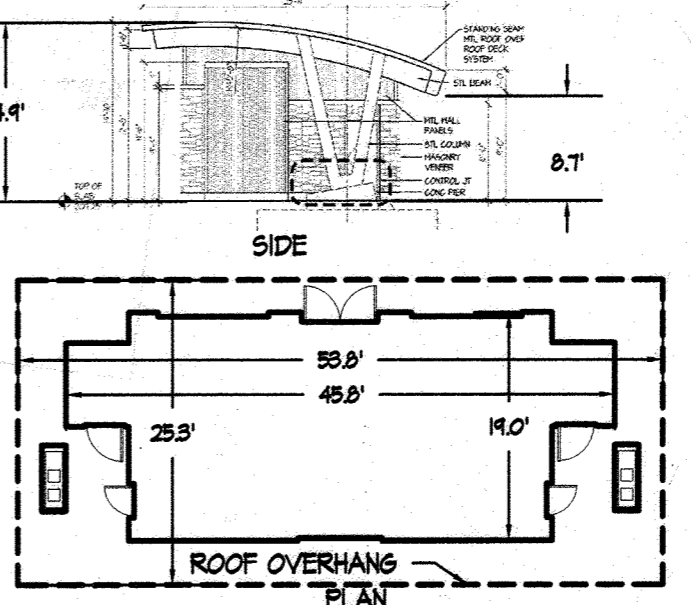
SCALE: 1/16"=1'

4 GRANDSTAND RESTROOM BUILDING

SCALE: 1/16"=1'

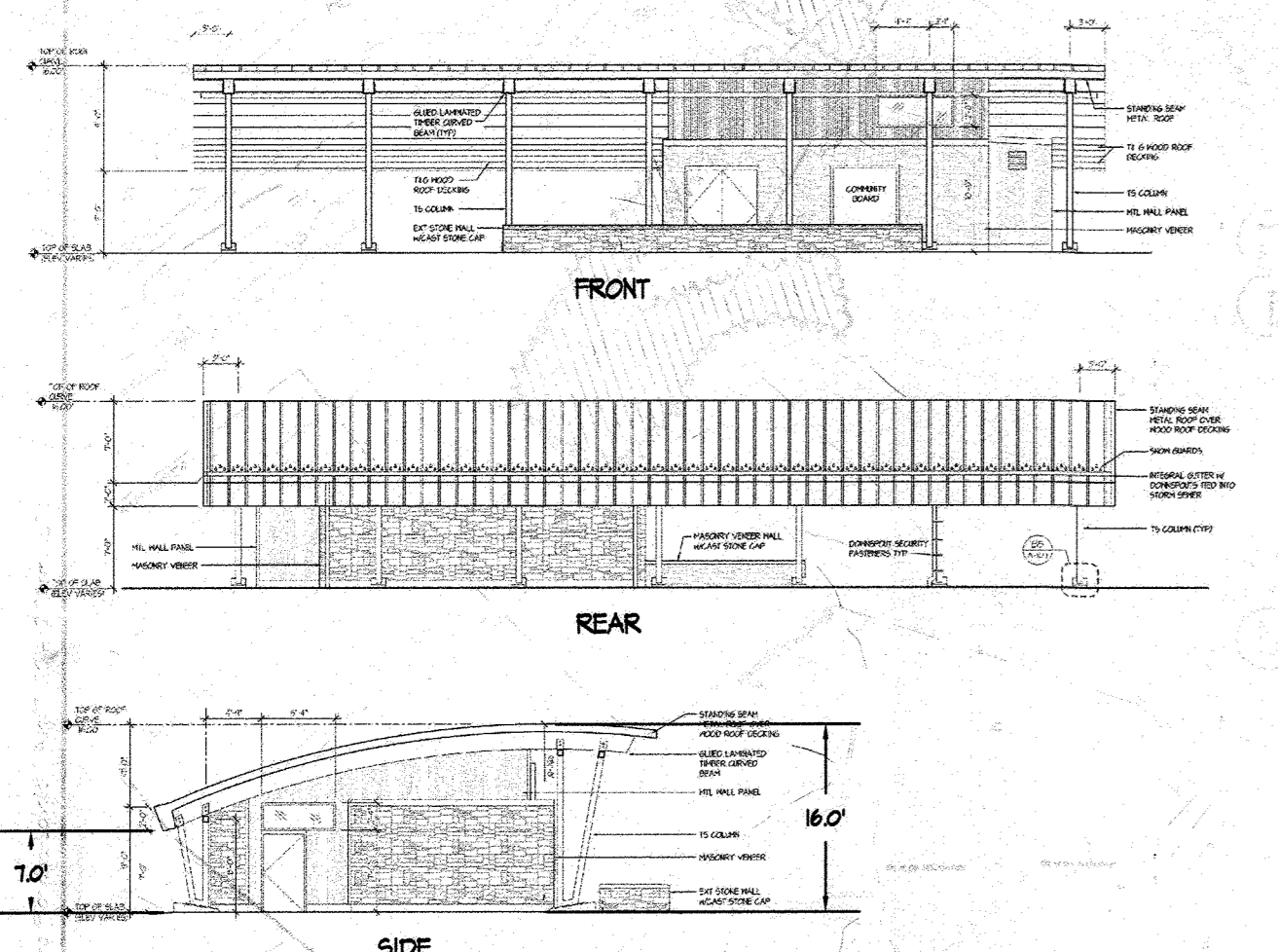


5 PAVILION 1



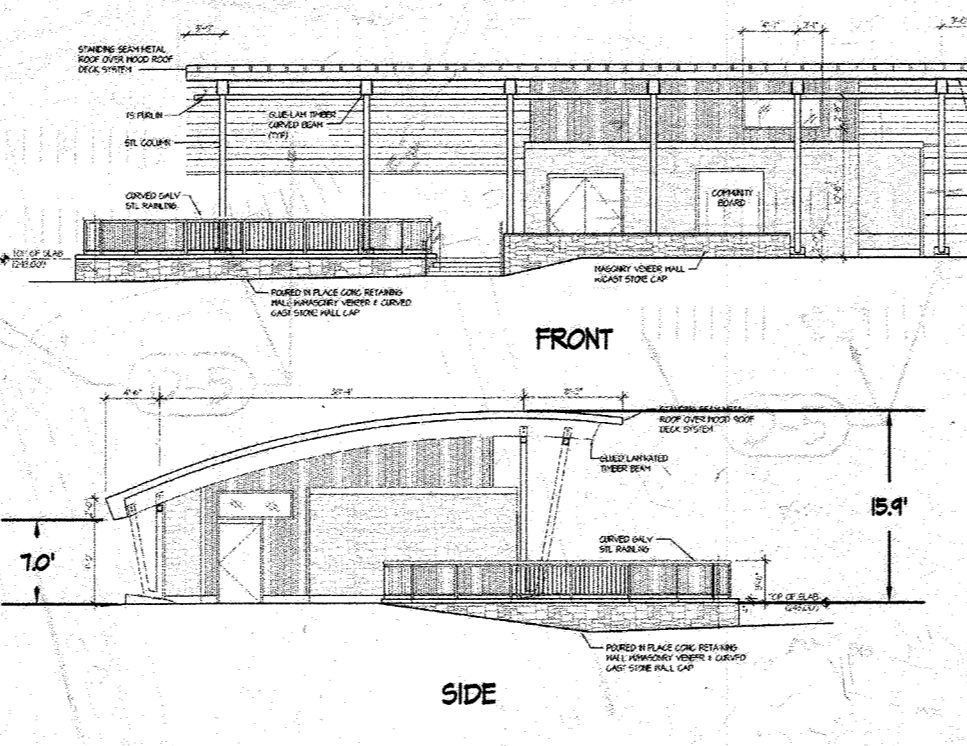
6 PAVILION 5

SCALE: 1/16"=1'



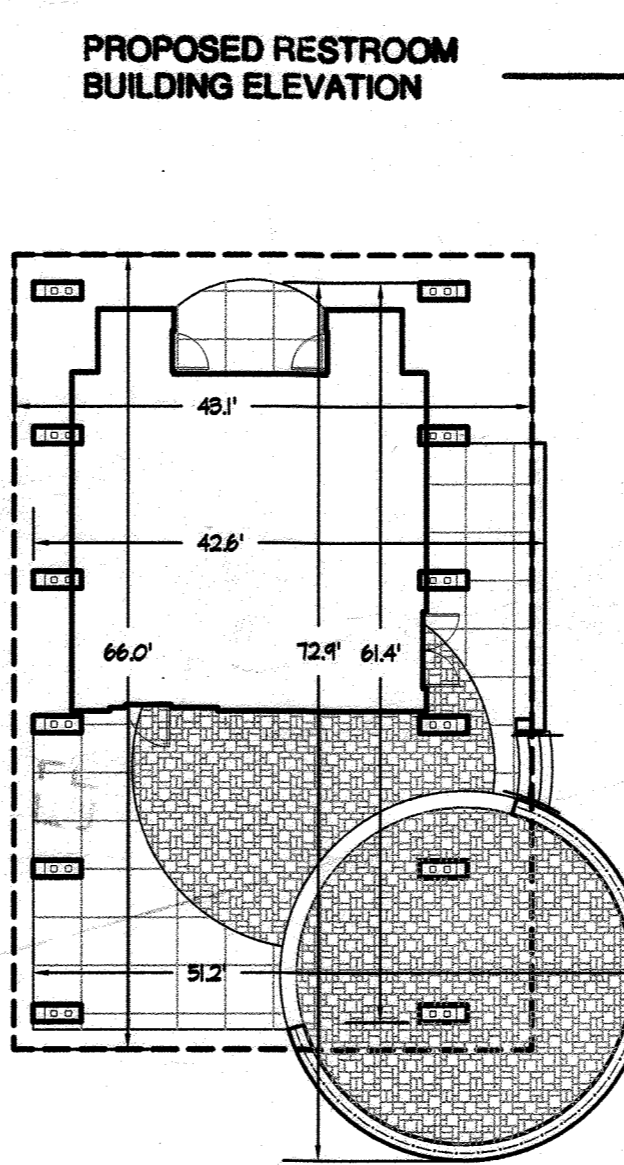
7 PAVILION 2 & 4

SCALE: 1/16"=1'



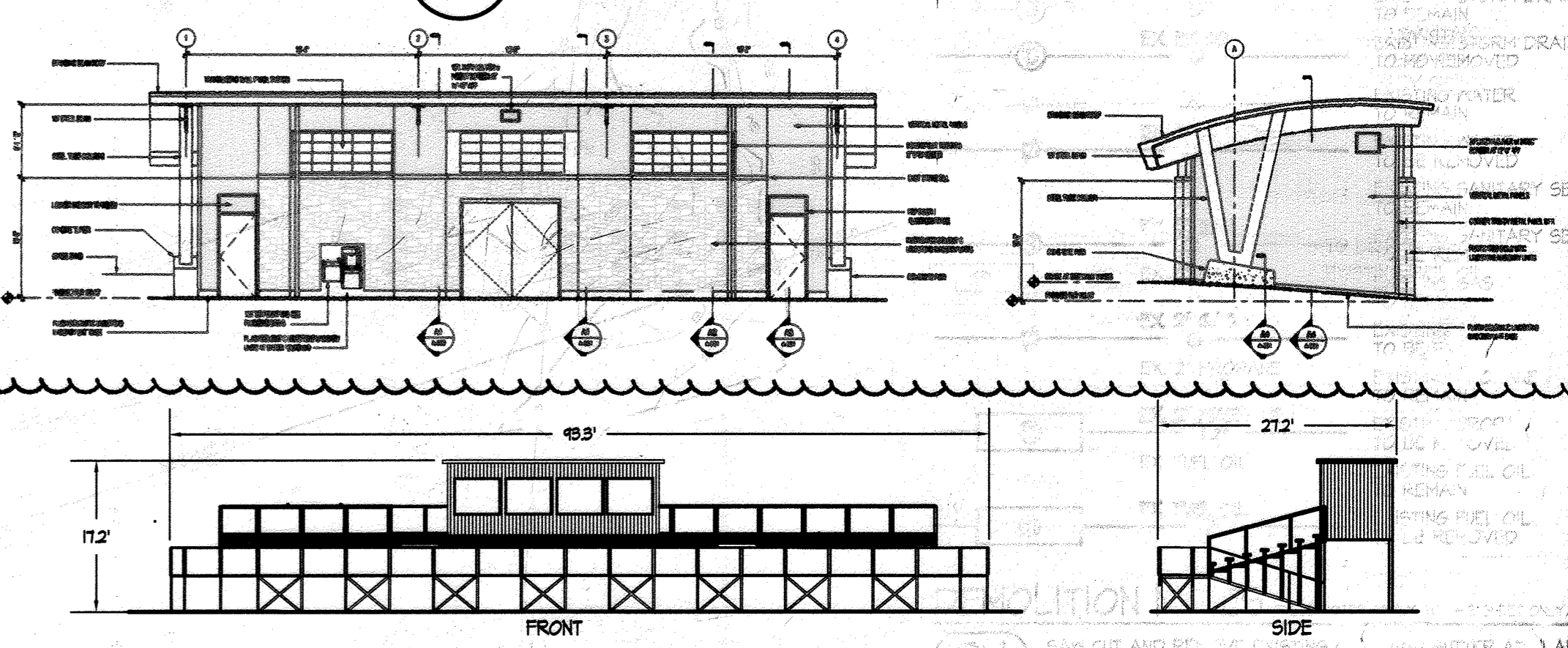
8 PAVILION 3

REAR ELEVATION SIMILAR TO PAVILIONS 2 AND 4



PROPOSED RESTROOM BUILDING ELEVATION

SCALE: 1/16"=1'



9 FIELD 2 BLEACHERS & PRESS BOX

RAMPS MAY BE ALTERED/ADDED TO PROVIDE ACCESSIBILITY BASED ON THE SPECIFIC LOCATION

SCALE: 1/16"=1'

2:\VIC002\Draws\Draws\Phase 2\Site Development\Plan\0208 Building Elevations.dwg - layout1 Aug 18, 2014 10:30am JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 9/18/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* DATE: 9/18/14
 CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 9/18/14

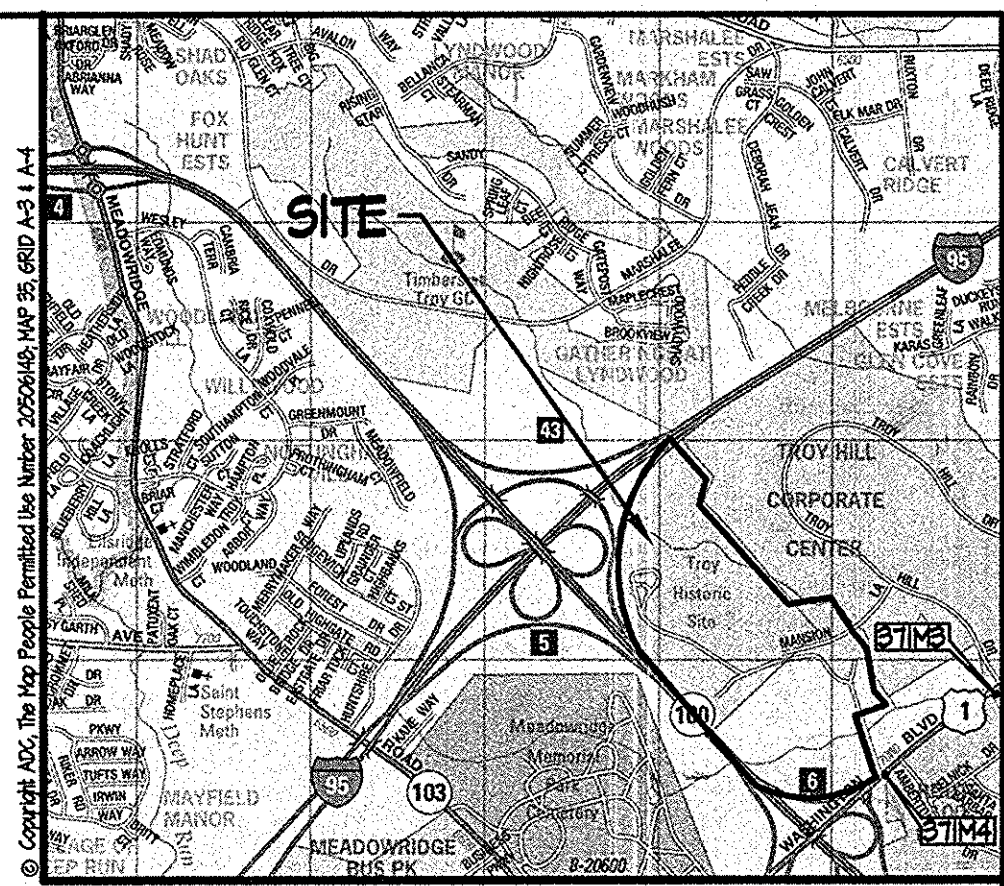
ADDRESS / PERMIT INFORMATION
 PARCELS: 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 1415 Annettsville Pike • Pikesville, Maryland 21111
 (410) 651-3388 • Fax (410) 651-3389

DES:	JLT	SR:	▲	BUILDING REVISIONS	9/14/12
DRN:	JLT/AM				
CHK:	AFE				
DATE:	08/14/14	BY:	NO.	REVISION	DATE

BUILDING ELEVATIONS
 600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SHEET 3 OF 61
 SDP-14-033



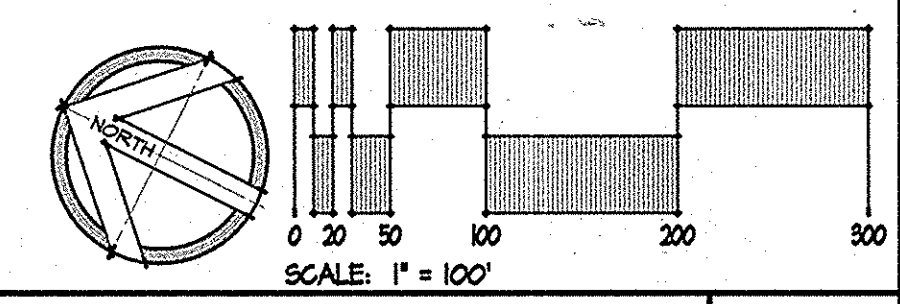
VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO THIS DRAWING ONLY)

- PROPERTY LINE
- - - - EXISTING CONTOURS
- - - - EXISTING TREELINE TO REMAIN
- - - - FB EXISTING FOREST BUFFER
- - - - EXISTING TREELINE TO BE REMOVED
- CRITICAL ROOT ZONE
- EXISTING TREES TO REMAIN
- EXISTING TREES TO BE REMOVED
- EXISTING SHRUBS TO REMAIN
- EXISTING SHRUBS TO BE REMOVED
- EXISTING WALK TO REMAIN
- EXISTING ROAD TO REMAIN
- EXISTING CURB TO REMAIN
- EXISTING PAVING TO BE REMOVED
- EX. 15" SD TO REMAIN
- EX. 15" SD TO BE REMOVED
- EX. 15" WATER TO REMAIN
- EX. 15" WATER TO BE REMOVED
- EX. 8" SAN TO REMAIN
- EX. 8" SAN TO BE REMOVED
- EX. 2" GAS TO REMAIN
- EX. 2" GAS TO BE REMOVED
- EX. 2" PROPANE TO REMAIN
- EX. 2" PROPANE TO BE REMOVED
- EX. FUEL OIL TO REMAIN
- EX. FUEL OIL TO BE REMOVED

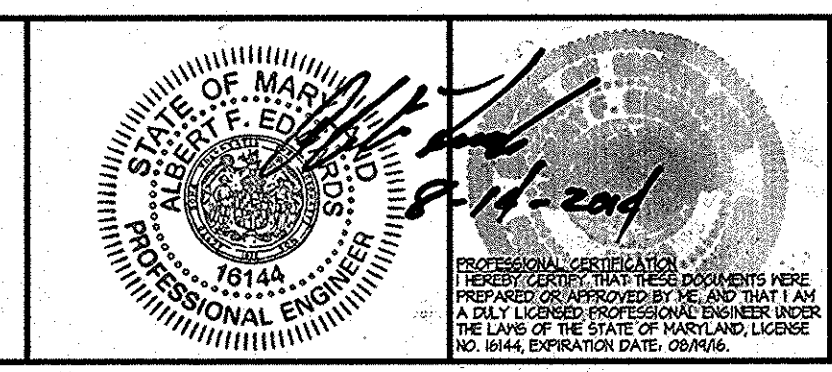
DEMOLITION NOTES (THESE NOTES APPLY TO THIS SHEET ONLY)

- D-1** SAWN CUT AND REMOVE EXISTING CURBS AND GUTTER AT NEAREST JOINT.
- D-2** EXISTING TREE/WOODS TO BE REMOVED.
- D-3** REMOVE EXISTING CHECK DAM AND UNDERDRAIN. CAP END OF EXISTING UNDERDRAIN TO REMAIN.
- D-4** REMOVE EXISTING WALKWAY
- D-5** REMOVE EXISTING PAVEMENT STRIPING PRIOR TO INSTALLING SURFACE COURSE.



APPROVED: DEPARTMENT OF PLANNING & ZONING
Dr. S. M. Laughlin
 DIRECTOR
 DATE: 7/10/14
 9-3-14 DATE
 9-18-14 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 PARCELS 251, 246, 244, 234, 192, 195, 195 LOT A-21, 195 LOT A-22
 ADDRESS: 6400 MANSION LANE
 LOTS 17 F&M, L20589 / F 2051, L22209 / F 2040, L51503 / F 2040,
 L5241 / F 20, L4953 / F 4931, L4953 / F 4931, L4953 / F 4940
 GRID 11 & 19, ZONE: HA, TAX MAP NO. 21
 IN ELECTION DISTRICT: CENSUS TRACT 5022.02
 WATER CODE: 400, SEWER CODE: 2522200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 382-2700
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 382-2700



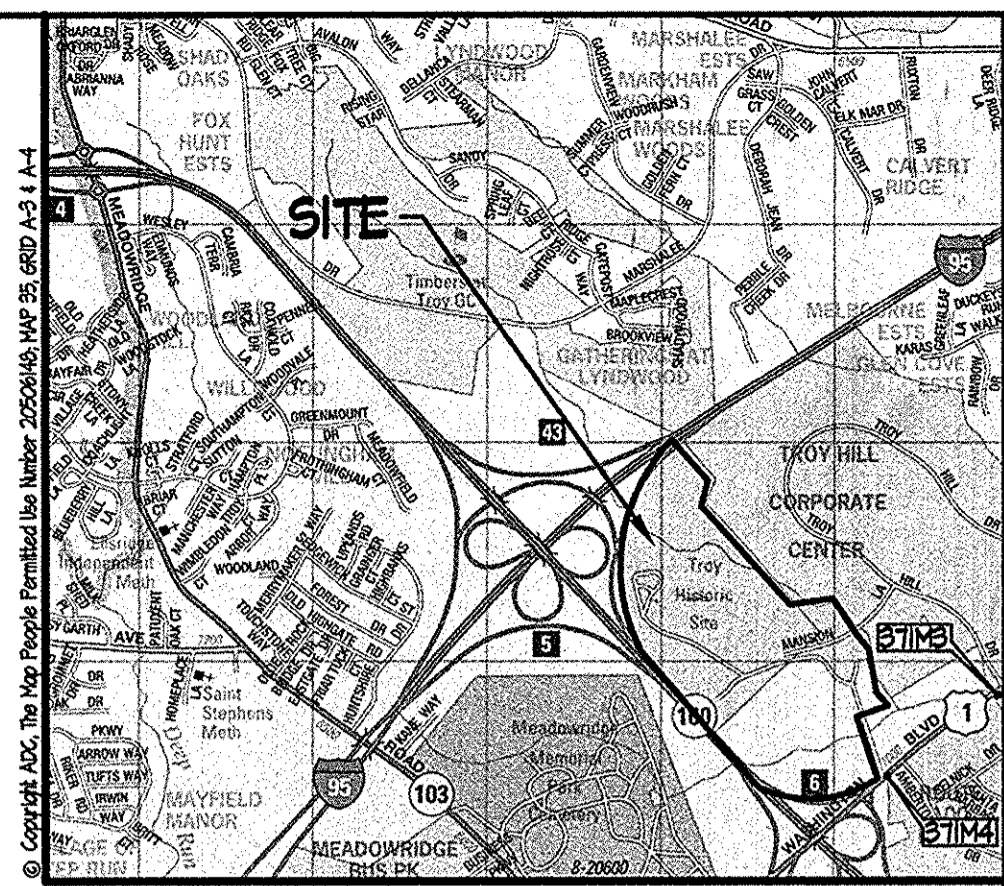
DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14
 BY NO. REVISION DATE

EXISTING CONDITIONS AND DEMOLITION PLAN
 600' SCALE MAP NO. 51 BLOCK NO. 16
 CAPITAL PROJECT NO. N-3457

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE 11B PARCELS A-21 AND A-22
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=100'
 C1.00
 SHEET 4 OF 61
 SDP-14-033

MATCHLINE - SEE SHEET C1.03

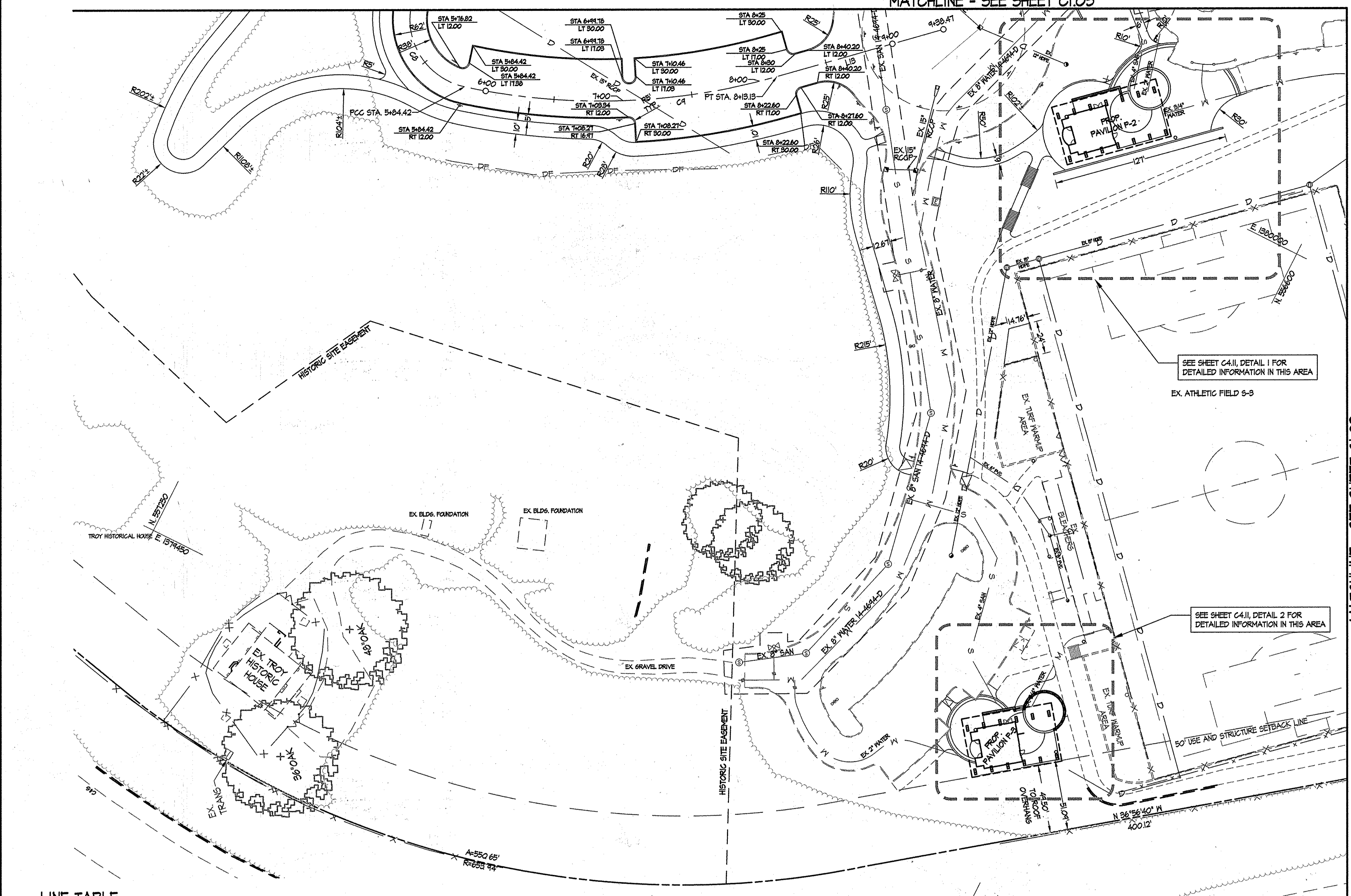
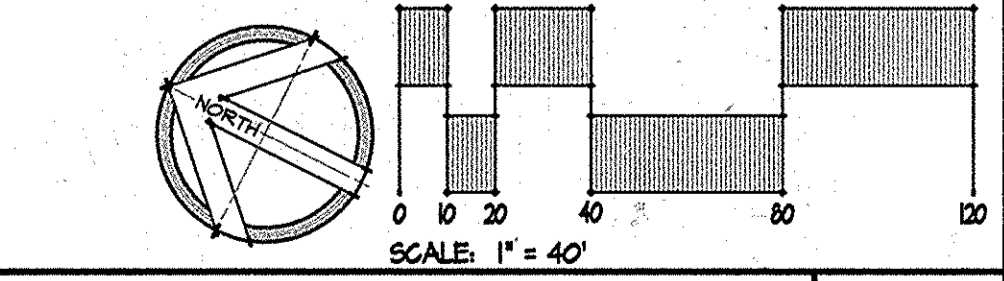
MATCHLINE - SEE SHEET C1.02



VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO DRAWINGS C1.11 THROUGH C1.16 ONLY)

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING FOREST BUFFER
- EXISTING TREES
- EXISTING SHRUBS
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING TELEPHONE
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING LIGHTING
- EXISTING COMMUNICATIONS
- EXISTING CABLE TV
- EXISTING FIBER OPTIC
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING FLAGPOLE
- EXISTING BUILDING
- EXISTING WETLANDS
- WETLAND BUFFER
- EXISTING STREAM
- EXISTING STREAM BUFFER
- EXISTING 100 YR. FLOODPLAIN



SEE SHEET C4.11, DETAIL 1 FOR DETAILED INFORMATION IN THIS AREA

SEE SHEET C4.11, DETAIL 2 FOR DETAILED INFORMATION IN THIS AREA

MARYLAND ROUTE 100 (WESTBOUND)
(ARTERIAL ROAD)

LINE TABLE

LINE #	BEARING	DISTANCE
L1	N80° 23'44"E	44.56'
L2	S26° 42'43"E	354.95'
L3	S63° 17'11"W	402.71'
L4	S26° 42'43"E	426.90'
L5	S26° 42'43"E	431.21'
L6	S26° 42'43"E	430.04'
L7	S26° 42'43"E	400.58'
L8	S63° 17'11"W	43.00'
L9	S26° 42'43"E	301.00'
L10	N63° 17'11"E	60.00'
L11	N26° 27'02"W	74.41'
L12	N6° 44'56"W	1.82'
L13	S42° 23'08"E	125.54'

CURVE TABLE

CURVE #	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	930.00'	136.18'	135.21'	N51° 21'54"E	023° 58'51"
C2	150.00'	40.00'	34.88'	N41° 17'04"E	015° 16'41"
C3	350.00'	154.48'	153.12'	N6° 36'34"E	025° 22'14"
C4	54.00'	84.82'	76.31'	S18° 17'11"W	084° 54'58"
C5	17.00'	26.70'	24.04'	S18° 17'11"W	090° 00'00"
C6	190.03'	138.54'	135.54'	N46° 51'18"W	041° 47'16"
C7	190.00'	148.66'	134.74'	N31° 47'41"W	054° 54'31"
C8	50.00'	162.43'	44.83'	S18° 48'28"W	136° 42'13"
C9	470.66'	228.71'	226.46'	S28° 27'53"E	021° 50'24"

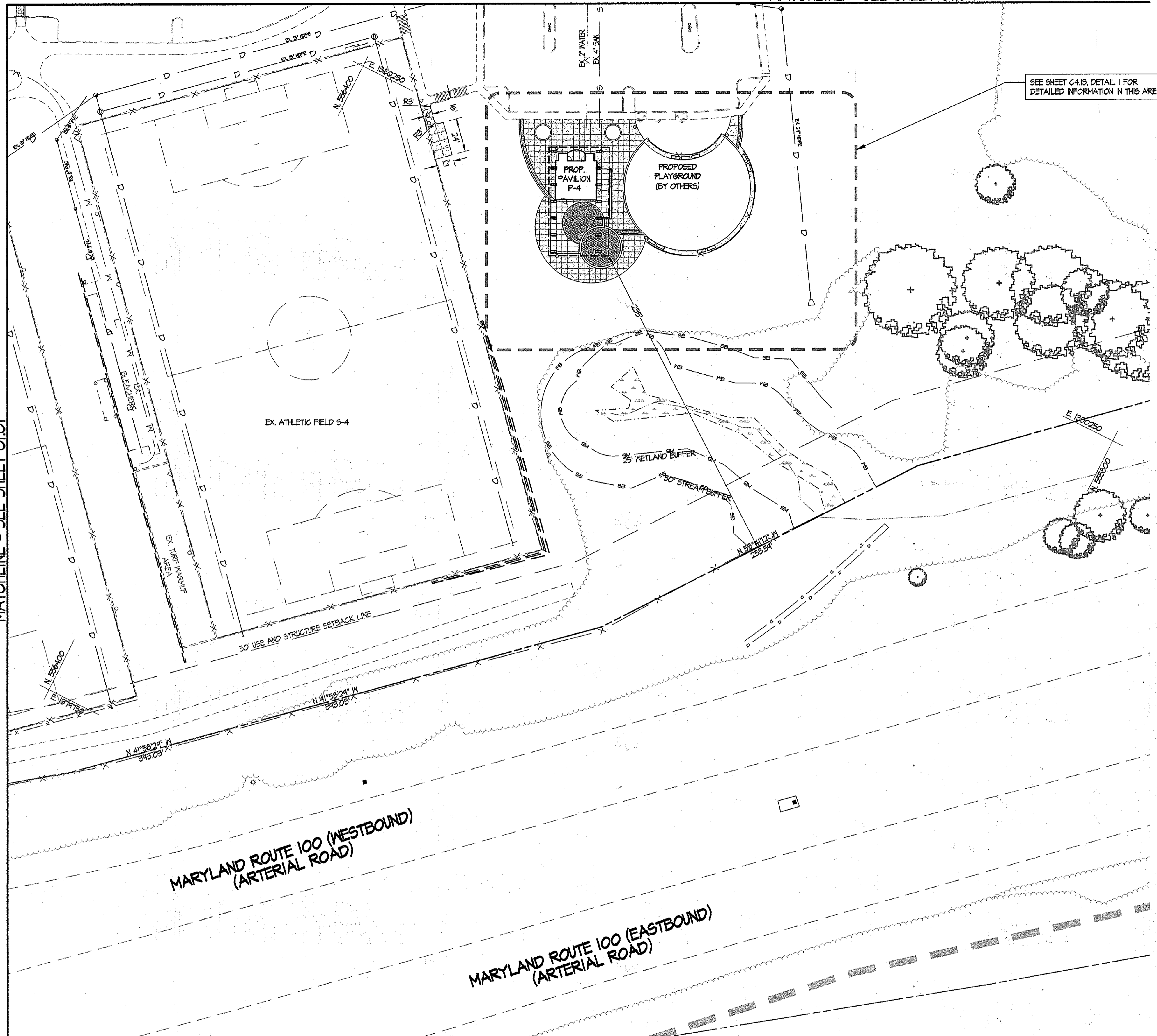
T:\010002-Troy Park Phase II Site Development Planning\01 Site Layout Planning.dwg Aug 18, 2014 12:24pm JLT

<p>APPROVED: DEPARTMENT OF PLANNING & ZONING</p> <p><i>Jack Logie</i> DIRECTOR</p> <p><i>Chad Pugh</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION</p> <p><i>Kate Shalaska</i> CHIEF, DIVISION OF LAND DEVELOPMENT</p>	<p>DATE: 9-3-14</p> <p>DATE: 9-18-14</p>	<p>ADDRESS / PERMIT INFORMATION</p> <p>PARCELS: 301, 345, 342, 336, 102, 105, 105 LOT A-21, 105 LOT A-22</p> <p>ADDRESS: 6-800 MANSION LANE</p> <p>LS171 / F-44, L10559 / F-391, L12209 / F-340, L51093 / F-300, L5344 / F-130, L4933 / F-493, L4933 / F-190, L4933 / F-490</p> <p>GRID LT & B, ZONE: M4, TAX MAP NO: 37</p> <p>WATER CODE: 400, SEWER CODE: 252200</p> <p>OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS</p> <p>1200 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046</p> <p>PHONE: (410) 382-2700</p> <p>DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS</p> <p>1200 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046</p> <p>PHONE: (410) 382-2700</p>	<p>SITE RESOURCES</p> <p>Incorporated</p> <p>Comprehensive Land-Planning & Site-Design Services</p> <p>14165 Arrettonville Pike • Pikesville, Maryland 21113</p> <p>(410) 852-3338 • fax (410) 852-3389</p>	<p>DES: JLT</p> <p>DRN: JLT/AM</p> <p>CHK: AFE</p> <p>DATE: 08/14/14</p>	<p>BY: NO.</p> <p>REVISION:</p> <p>DATE:</p>	<p>SITE LAYOUT PLAN</p> <p>600' SCALE MAP NO. 51</p> <p>BLOCK NO. 16</p>	<p>TROY PARK - PHASE TWO</p> <p>PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22</p> <p>CAPITAL PROJECT NO. N-3457</p> <p>HOWARD COUNTY, MARYLAND</p>	<p>SCALE: 1"=40'</p> <p>C1.01</p> <p>SHEET 5 OF 61</p> <p>SDP-14-038</p>
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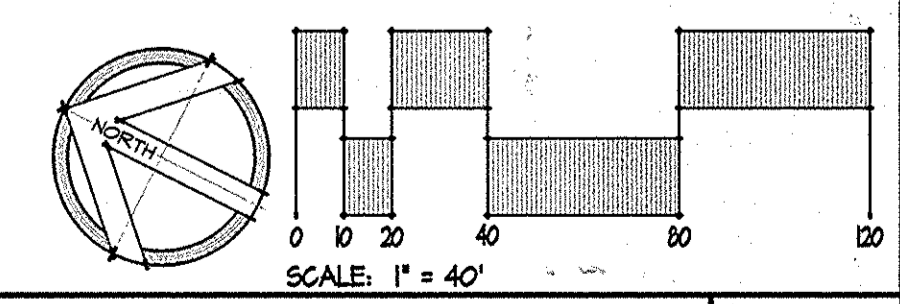
MATCHLINE - SEE SHEET C1.04

SEE SHEET C4.13, DETAIL 1 FOR DETAILED INFORMATION IN THIS AREA

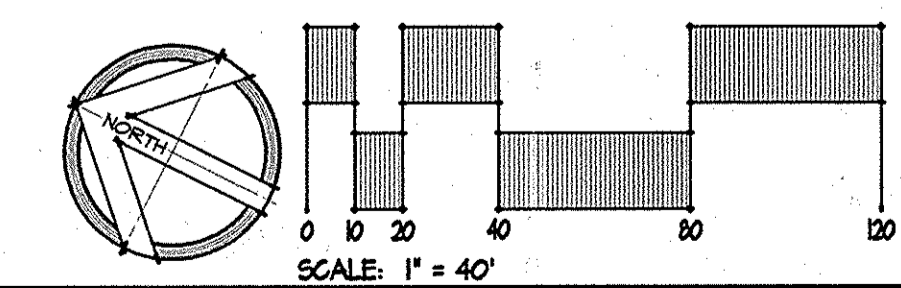
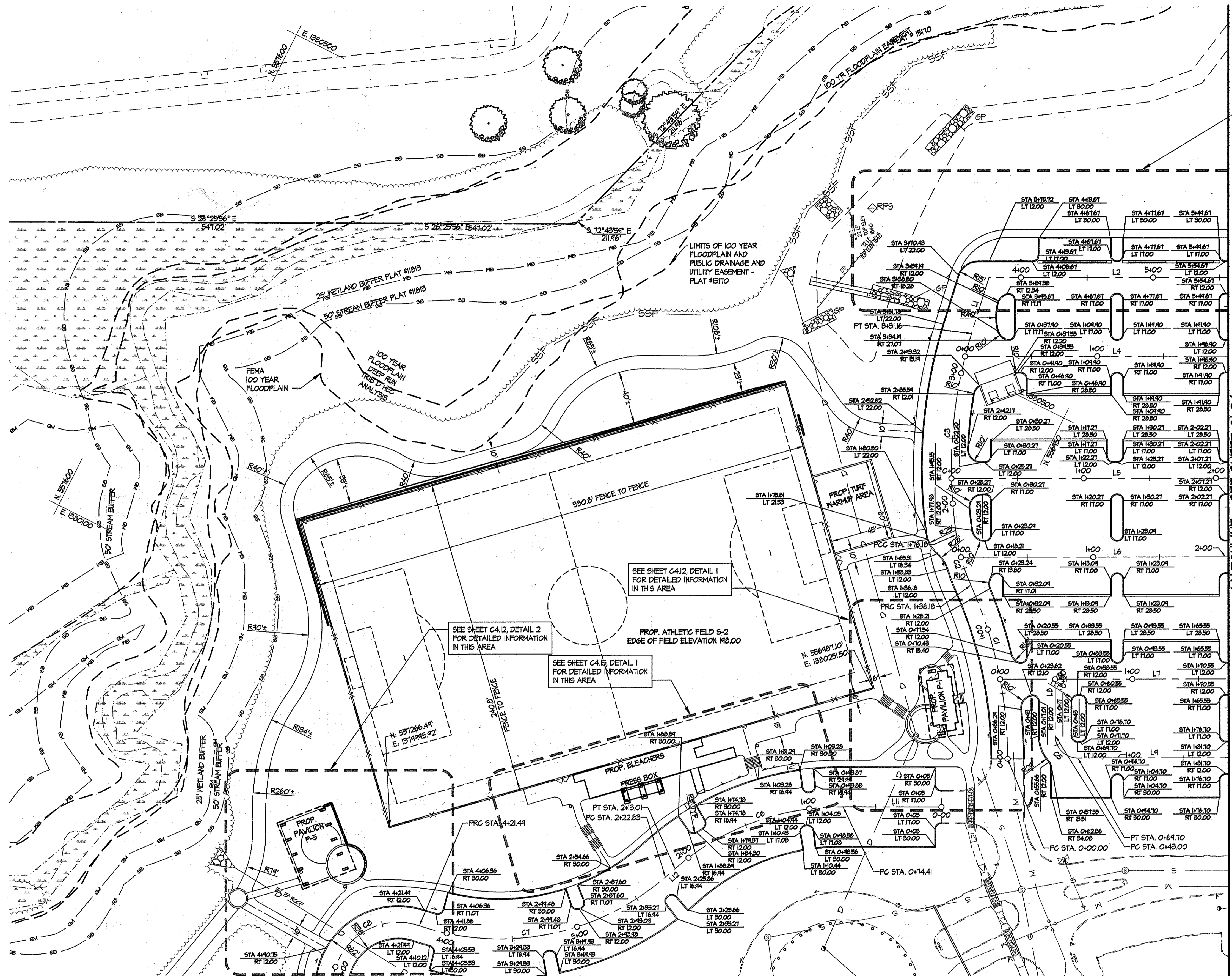
MATCHLINE - SEE SHEET C1.01



T:\100002-033-Part 02-Development\Plan\DWG\C1.02_Site Layout_Plan.dwg - L1 Aug 18, 2014 12:28pm - L1



APPROVED: DEPARTMENT OF PLANNING & ZONING DIRECTOR CHIEF, DEVELOPMENT ENGINEERING DIVISION CHIEF, DIVISION OF LAND DEVELOPMENT		ADDRESS / PERMIT INFORMATION PARCEL: 361, 345, 342, 336, 163, 155, 155 LOT A-21, 155 LOT A-22 ADDRESS: 6400 MANGUM LANE L1571 / F144, L10555 / F1351, L12205 / F1940, L15103 / F1600, L1304 / F173, L1453 / F1431, L1453 / F1940, L15103 / F1600, GRID 11 & 12, ZONE: M4, TAX MAP NO. 31 IN ELECTION DISTRICT: CENSUS TRACT 6012.02 WATER CODE: 400, SEWER CODE: 252200 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 388-2100 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 388-2100		 SITE RESOURCES incorporated Comprehensive Land Planning & Site Design Services 14615 Arrettonville Pike • Pikesville, Maryland 21115 (410) 981-3388 • fax (410) 981-3389		 J.L.T. PROFESSIONAL ENGINEER STATE OF MARYLAND LICENSE NO. 12144 EXPIRES 12/31/14		DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/11/14		BY: NO. REVISION DATE 600' SCALE MAP NO. 51 BLOCK NO. 16		SITE LAYOUT PLAN TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND		SCALE: 1"=40' C1.02 SHEET 6 OF 61 SDP-14-033	
---	--	--	--	---	--	---	--	---	--	---	--	--	--	---	--



APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature]
DIRECTOR

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature]
CHIEF, DIVISION OF LAND DEVELOPMENT

9/16/14
DATE

9-3-14
DATE

9-18-14
DATE

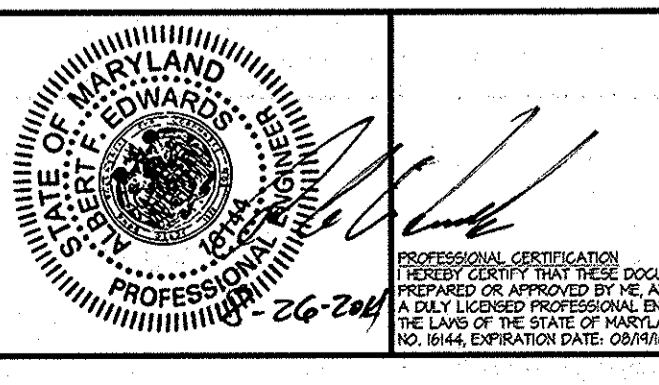
ADDRESS / PERMIT INFORMATION

PAPERS: 343, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

SITE RESOURCES
INCORPORATED

Comprehensive Land Planning & Site Design Services

1415 Ardmore Pike • Phone: Maryland 21811
(410) 683-3388 • fax (410) 683-3389



DES. JLT	DATE: 08/14/14	BY	NO.	REVISION	DATE	600' SCALE MAP NO.	51	BLOCK NO.	16
DRN: JLT/AM									
CHK: AFE									

SITE LAYOUT PLAN

TROY PARK - PHASE TWO

PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

CAPITAL PROJECT NO. N-3951

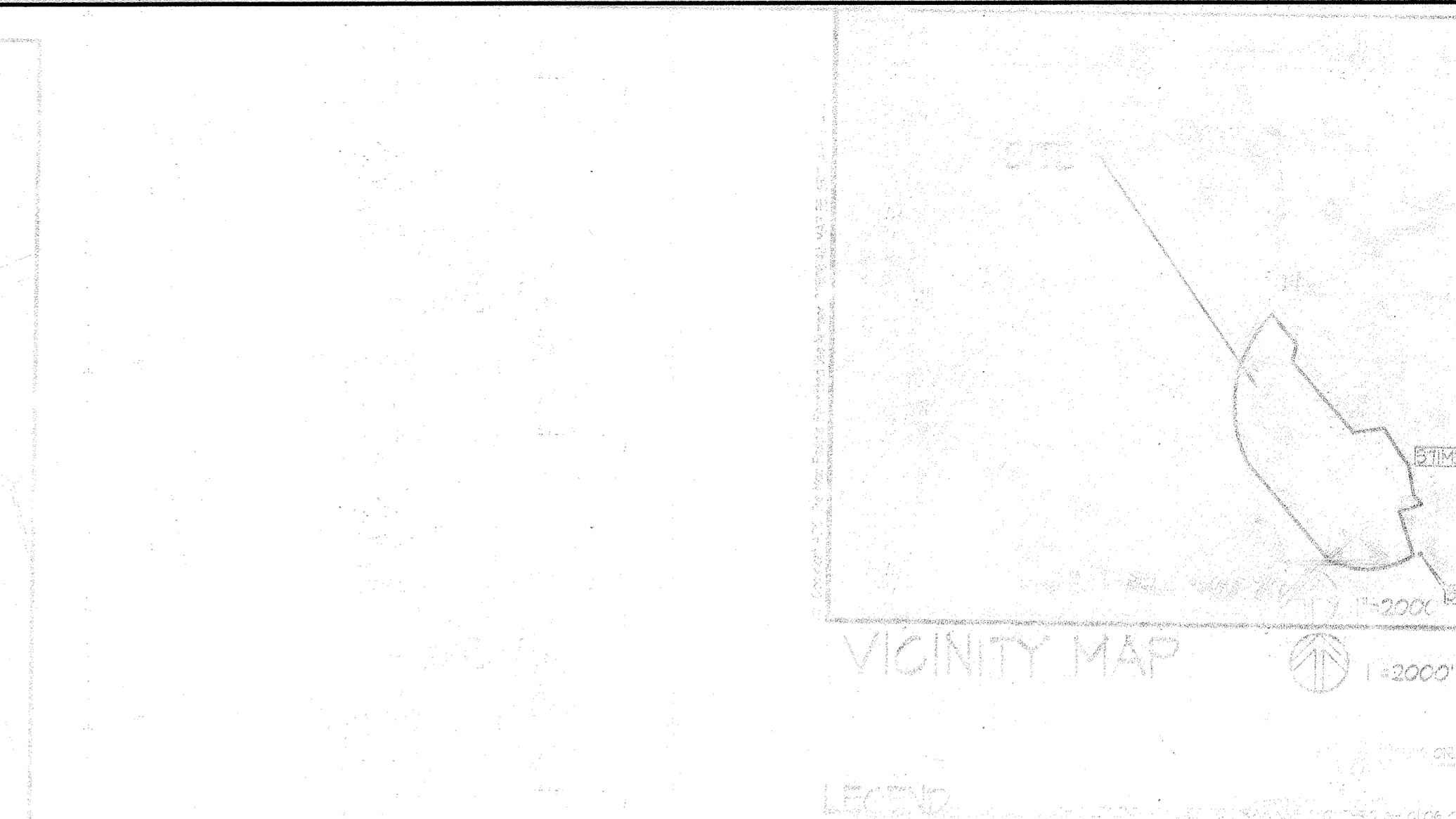
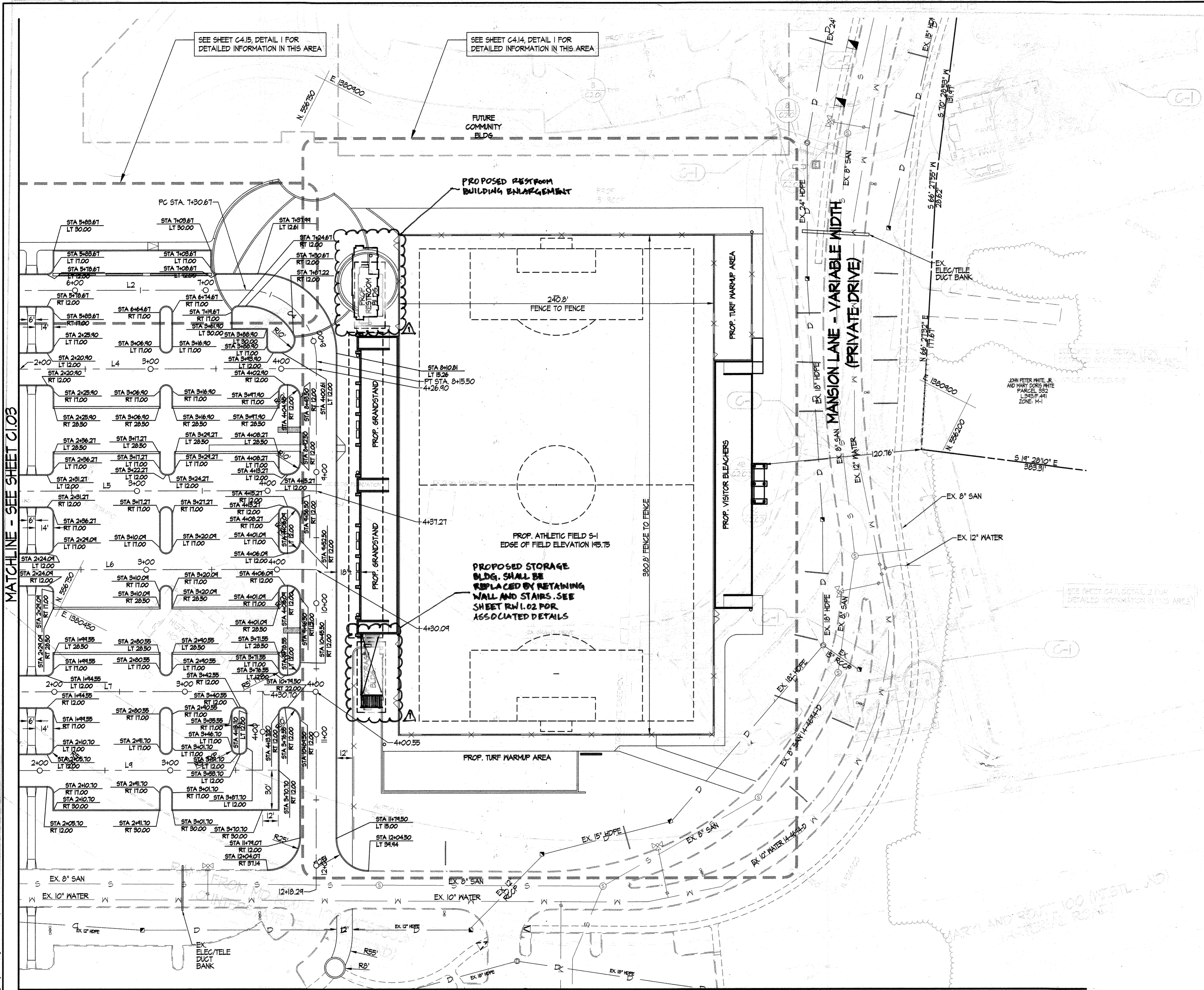
HOWARD COUNTY, MARYLAND

SCALE: 1" = 40'

C1.03

SHEET 7 OF 61

SDP-14-033



Symbol/Line Style	Description
---	PROPERTY LINE
---	EXISTING TREE LINE
---	EXISTING TREES
---	EXISTING WALK
---	EXISTING ROAD
---	EXISTING CURB
---	EXISTING STORM DRAIN
---	EXISTING WATER
---	EXISTING SANITARY SEWER
---	EXISTING FIBER/OPTIC
---	EXISTING 100 YR FLOODPLAIN
---	PROPOSED ROADLINE
---	PROPOSED WALK
---	PROPOSED ROAD
---	PROPOSED FENCE
---	PROPOSED BUILDING
---	PROPOSED STORM DRAIN
---	PROPOSED WATER
---	PROPOSED SANITARY SEWER
---	PROPOSED LIGHTING

CONSTRUCTION NOTES

- ALL EXISTING FENCES TO BE MAINTAINED UNLESS OTHERWISE NOTED.
- LOCAL OFFICING AT 6:00 PM.

MATCHLINE - SEE SHEET C1.03

MATCHLINE - SEE SHEET C1.02

MATCHLINE - SEE SHEET C1.02

APPROVED: DEPARTMENT OF PLANNING & ZONING

A.S. Lytle 9/16/14
 DIRECTOR

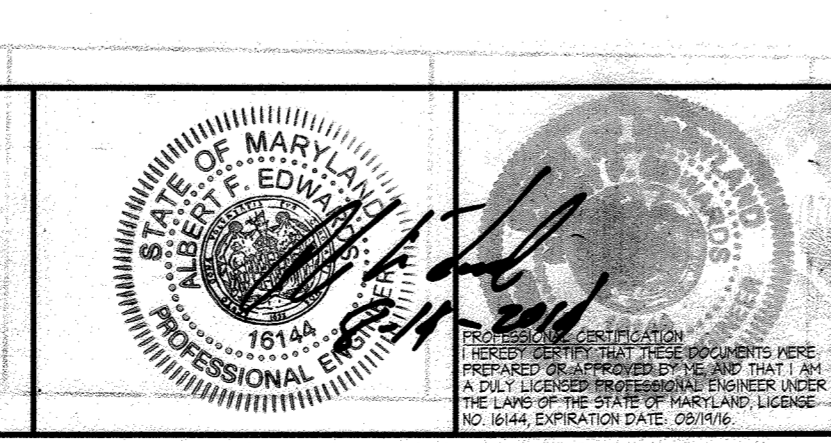
Chad 9-3-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

Kate 9-16-14
 CHIEF, DIVISION OF LAND DEVELOPMENT

DATE: 9/16/14

ADDRESS / PERMIT INFORMATION

PARCELS 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



DES:	SRI	BUILDING REVISIONS	DATE
JLT			9/16/14
DRN:	JLT/AM		
CHK:	AFE		
DATE:	08/14/14		
BY:	NO.	REVISION	DATE

DET. SITE LAYOUT PLAN

600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

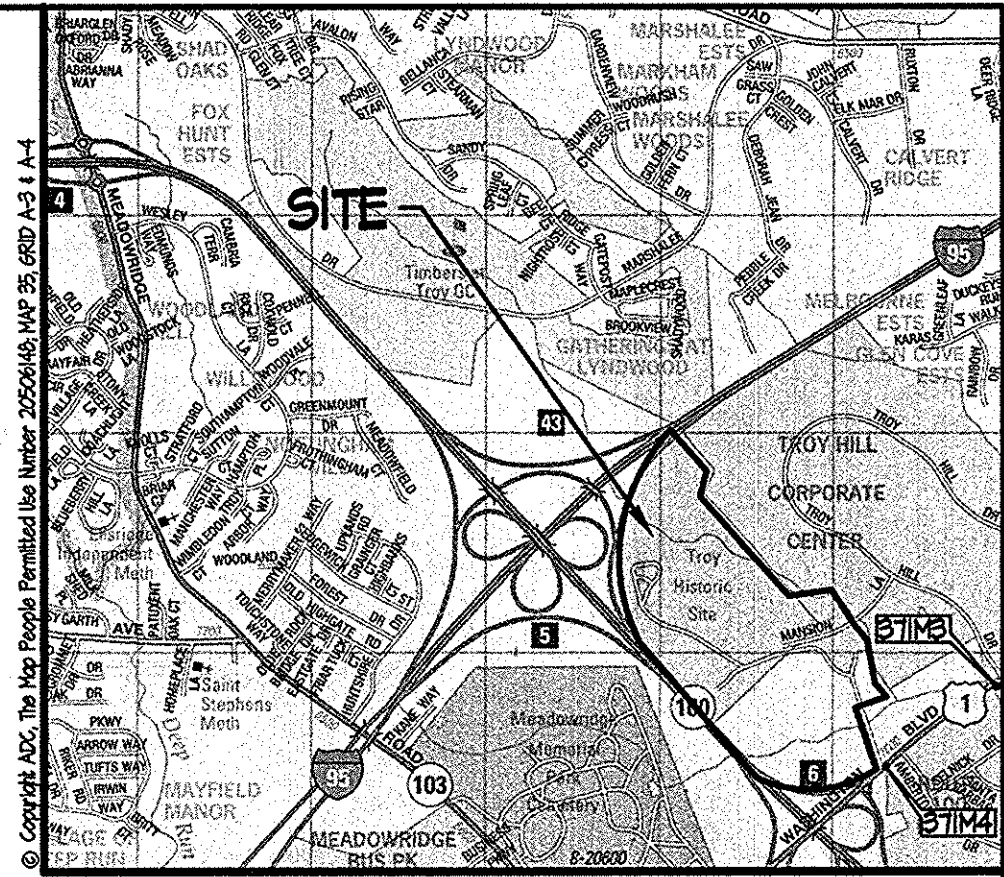
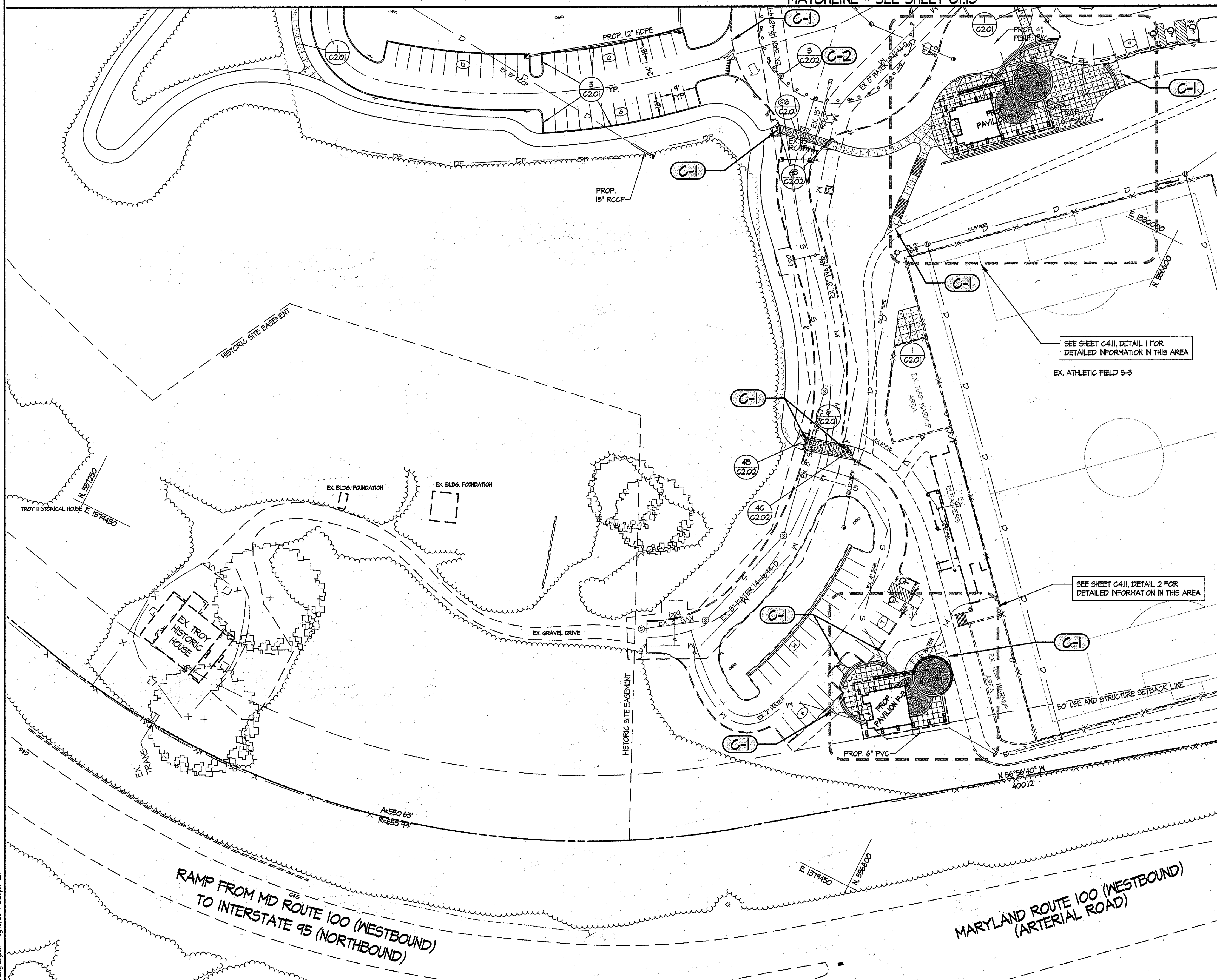
CAPITAL PROJECT NO. N-3957 HOWARD COUNTY, MARYLAND

SCALE: 1" = 40'

SHEET 8 OF 8

SDP-14-033

MATCHLINE - SEE SHEET C1.13



VICINITY MAP 1"=2000'

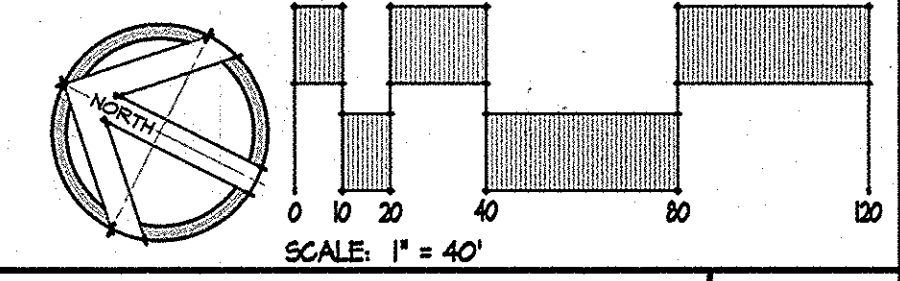
LEGEND (THIS LEGEND APPLIES TO DRAWINGS C1.01 THROUGH C1.06 ONLY)

- PROPERTY LINE
- EXISTING TREELINE
- EXISTING TREES
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EX. 15" SD
- EX. 6" WATER
- EX. 8" SAN
- EX. FO
- EXISTING 100 YR. FLOODPLAIN
- PROPOSED WOODSLINE
- PROPOSED WALK
- PROPOSED ROAD
- PROPOSED FENCE
- PROPOSED BUILDING
- PROP. 15" SD
- PROP. 6" WATER
- PROP. 8" SAN
- PROPOSED LIGHTING

MATCHLINE - SEE SHEET C1.12

CONSTRUCTION NOTES (THESE NOTES APPLY TO THIS SHEET ONLY)

- (C-1)** MEET EXISTING PAVEMENT, CURB, GUTTER AND/OR WALK SMOOTHLY FOR LINE & GRADE.
- (C-2)** EQUAL SPACING AT 6' O.C.s



T:\010002-Troy Park Phase II Site Development Planning\C1.11 Detail Reference Plan.dwg, Aug 13, 2014 12:28pm, JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING		ADDRESS / PERMIT INFORMATION	
<i>Paul A. Cagle</i>	DATE: 7/24/14	PARCELS: 640 MANSION LANE	
DIRECTOR	DATE: 9-3-14	LDT1 / F44, L1089 / F391, L12205 / F340, L5189 / F300,	
<i>Paul Clark</i>	DATE: 9-18-14	L534 / F19, L455 / F431, L455 / F190, L455 / F1, 440	
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE: 9-18-14	GRID 11 & 12, ZONE: M4, TAX MAP NO. 31	
<i>Ketchum</i>	DATE: 9-18-14	IN ELECTION DISTRICT, CENSUS TRACT 602.02	
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE: 9-18-14	WATER CODE: 400, SEWER CODE: 252200	
		OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS	
		1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046	
		PHONE: (410) 332-2700	
		DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS	
		1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046	
		PHONE: (410) 332-2700	

SITE RESOURCES
INCORPORATED
Comprehensive Land Planning & Site Design Services
1416 Jarrattville Pike • Pikesville, Maryland 21113
(410) 651-3338 • Fax (410) 651-3389

PROFESSIONAL ENGINEER
STATE OF MARYLAND
1814
JLT
8/13/2014

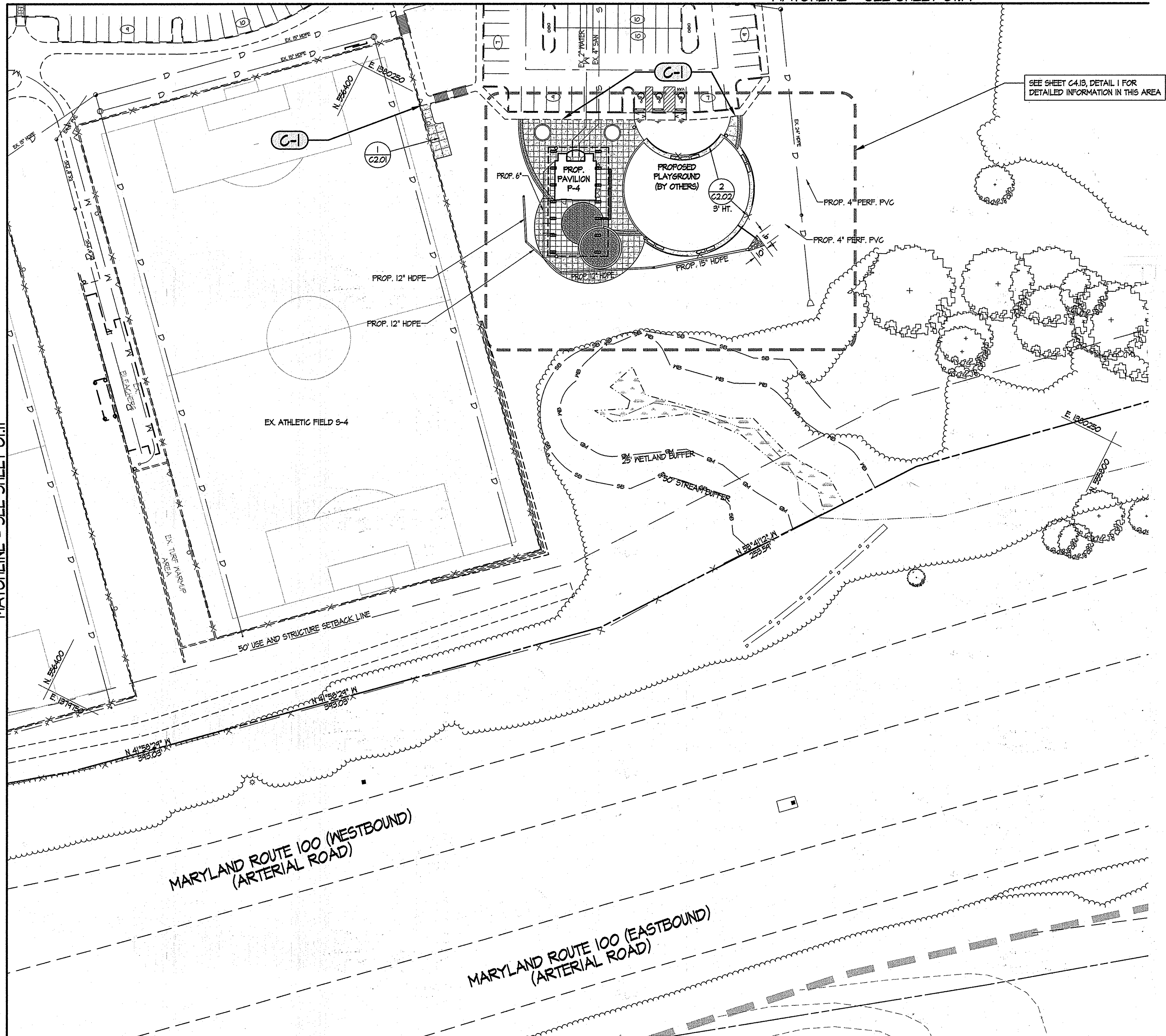
DES: JLT	BY NO.	REVISION	DATE
DRN: JLT/AM			
CHK: AFE			
DATE: 08/14/14			

DETAIL REFERENCE PLAN	
600' SCALE MAP NO. 51	BLOCK NO. 16

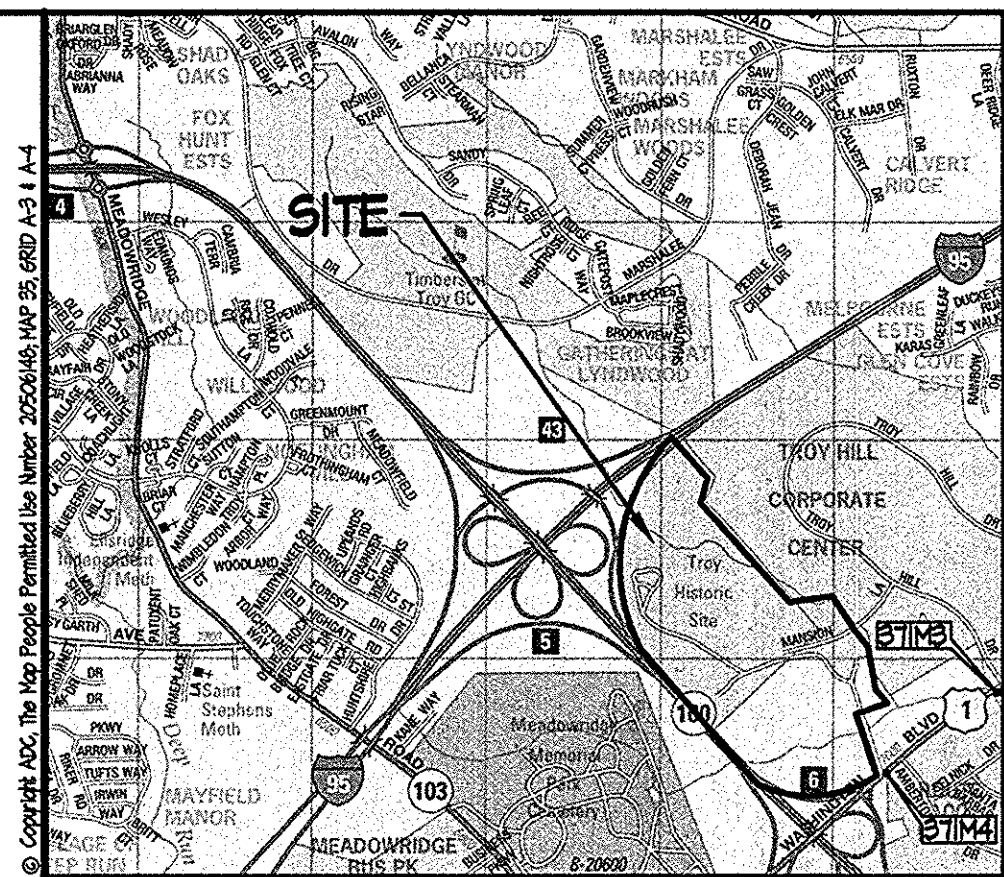
TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
CAPITAL PROJECT NO. N-3957
HOWARD COUNTY, MARYLAND

SCALE: 1"=40'
C1.11
SHEET 9 OF 61
SDP-14-033

MATCHLINE - SEE SHEET C1.14



SEE SHEET C4.13, DETAIL 1 FOR DETAILED INFORMATION IN THIS AREA

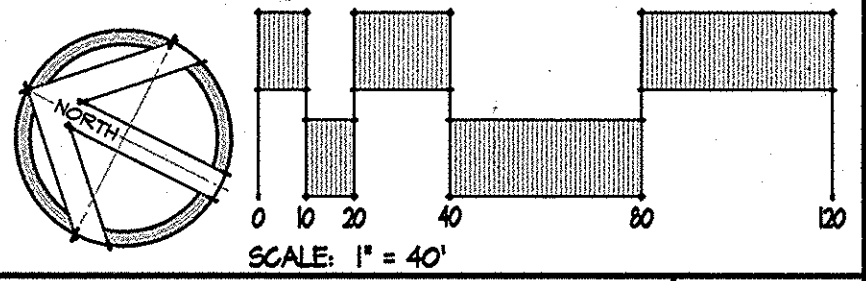


VICINITY MAP 1"=2000'

MATCHLINE - SEE SHEET C1.11

CONSTRUCTION NOTES (THESE NOTES APPLY TO THIS SHEET ONLY)

(C-1) MEET EXISTING WALK SMOOTHLY FOR LINE AND GRADE.



APPROVED: DEPARTMENT OF PLANNING & ZONING	
<i>Paul A. Coyle</i>	9/16/14
DIRECTOR	DATE
<i>Chad Clark</i>	9-3-14
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>Kurt Stalder</i>	9-2-14
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 1415 Juddville Pkwy • Phoenix, Maryland 21131
 (410) 682-3388 • Fax (410) 682-3389

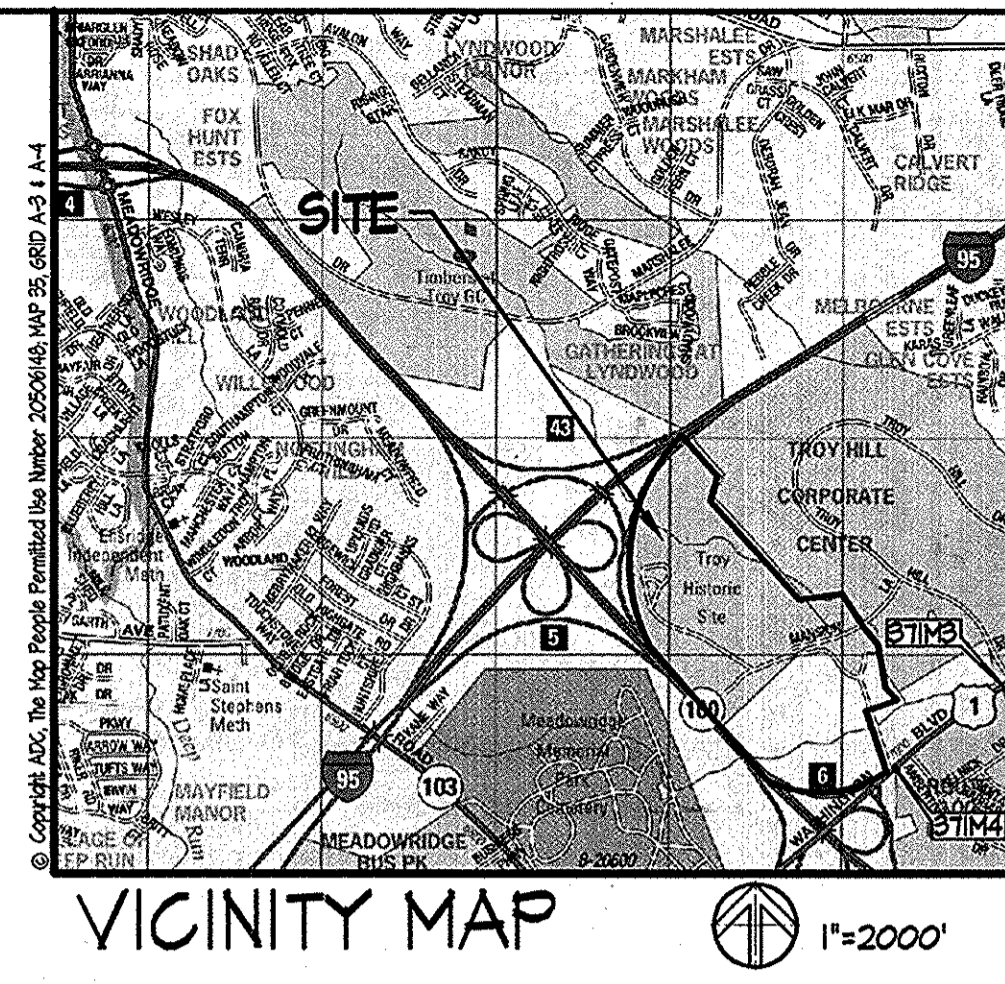
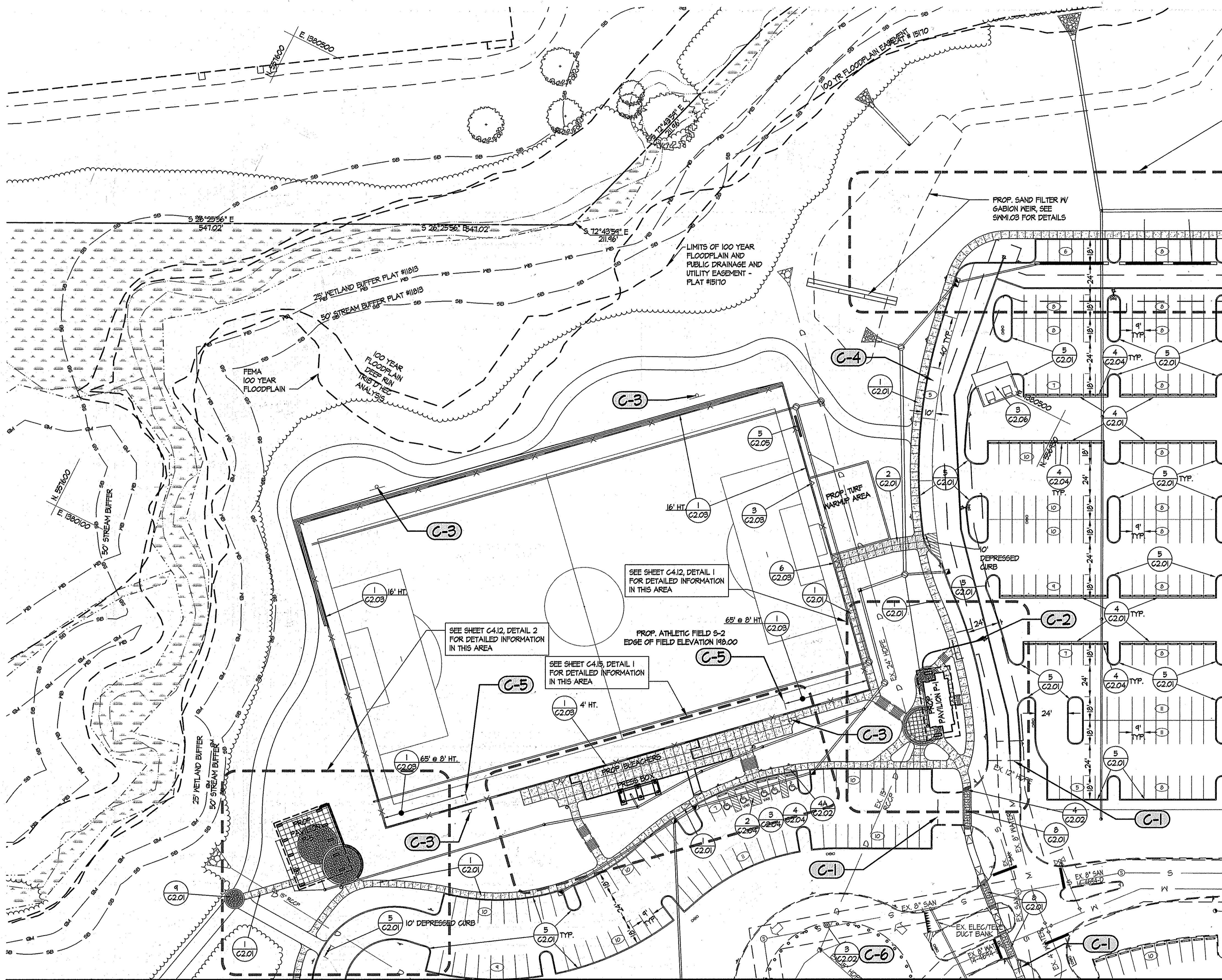
PROFESSIONAL ENGINEER
 J. L. TAYLOR
 9-11-2014

DES: JLT			
DRN: JLT/AM			
CHK: AFE			
DATE: 08/14/14	BY: NO.	REVISION	DATE

DETAIL REFERENCE PLAN			
600' SCALE MAP NO.	51	BLOCK NO.	16

TROY PARK - PHASE TWO		SCALE: 1"=40'
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22		C1.12
CAPITAL PROJECT NO. N-3457	HOWARD COUNTY, MARYLAND	SHEET 10 OF 67

Z:\010000\Troy Park Phase II Site Development Planning\GIS Detail Reference Planning\Layout - Aug 13, 2014 12:34pm .LT



SEE SHEET C4.15, DETAIL 1 FOR DETAILED INFORMATION IN THIS AREA

SEE SHEET C4.12, DETAIL 1 FOR DETAILED INFORMATION IN THIS AREA

SEE SHEET C4.12, DETAIL 2 FOR DETAILED INFORMATION IN THIS AREA

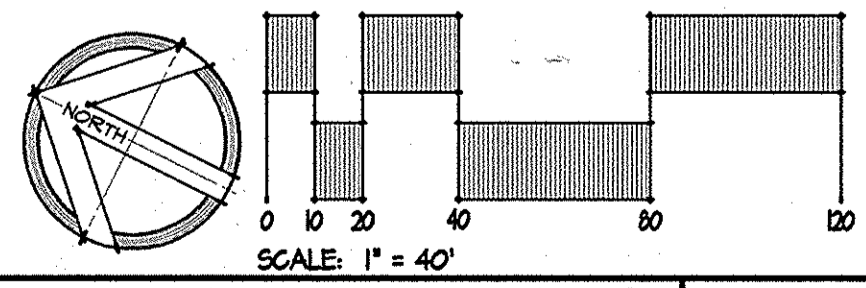
SEE SHEET C4.15, DETAIL 1 FOR DETAILED INFORMATION IN THIS AREA

MATCHLINE - SEE SHEET C1.14

MATCHLINE - SEE SHEET C1.11

CONSTRUCTION NOTES (THESE NOTES APPLY TO THIS SHEET ONLY)

- C-1** MEET EXISTING PAVING SMOOTHLY FOR LINE & GRADE.
- C-2** PROP. 2" MHC CONSTRUCTION BY ADVANCED DEPOSIT ORDER (ADO)
- C-3** PROPOSED ATHLETIC FIELD LIGHTING, TYP OF 4.
- C-4** BUS PARKING SPACES
- C-5** BEGIN 4' HT. FENCE
- C-6** EQUAL SPACING AT 6' O.C.

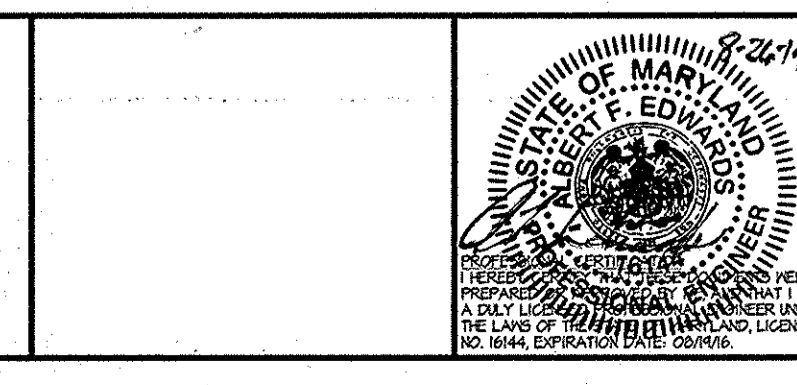


APPROVED: DEPARTMENT OF PLANNING & ZONING
D. J. Augli
 DIRECTOR
 DATE: 9/14/14

CE: *Paul P. ...*
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 9/3/14

KE: *Ket ...*
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 9/18/14

ADDRESS / PERMIT INFORMATION
 PARCELS: 244, 245, 246, 236, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



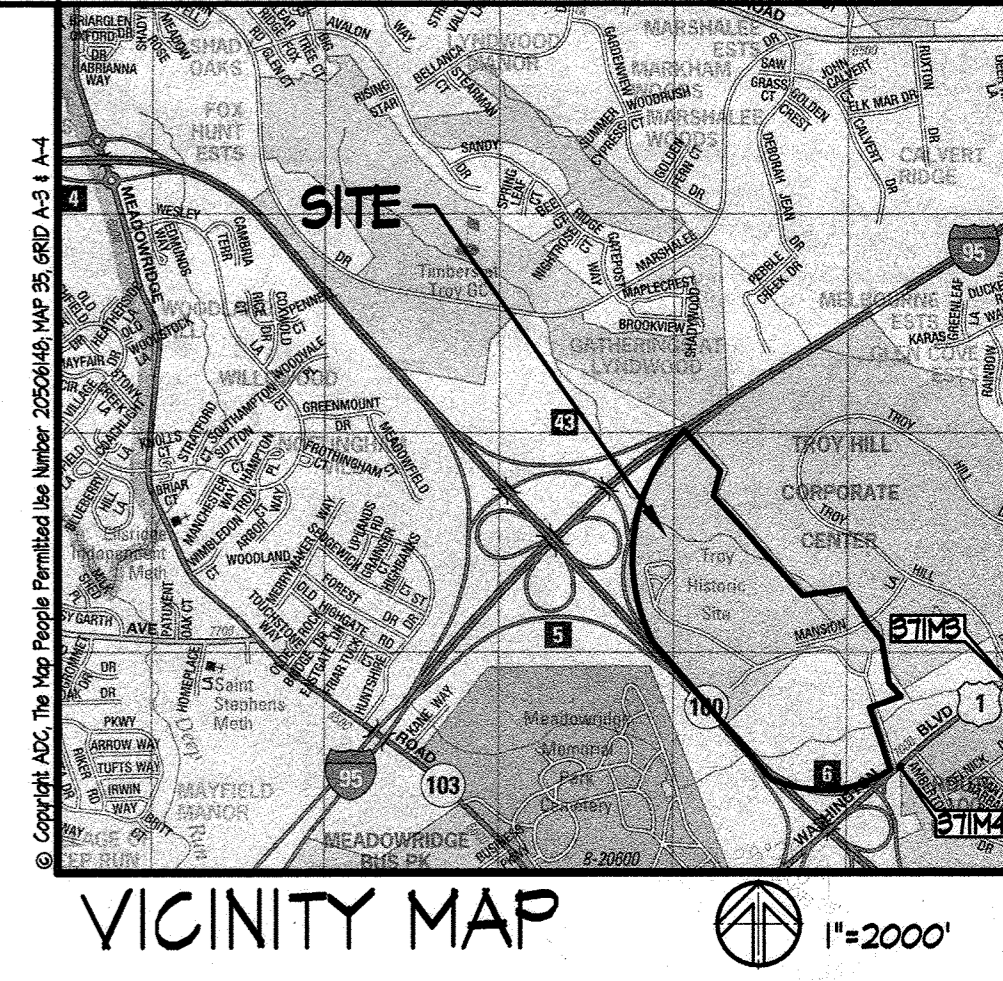
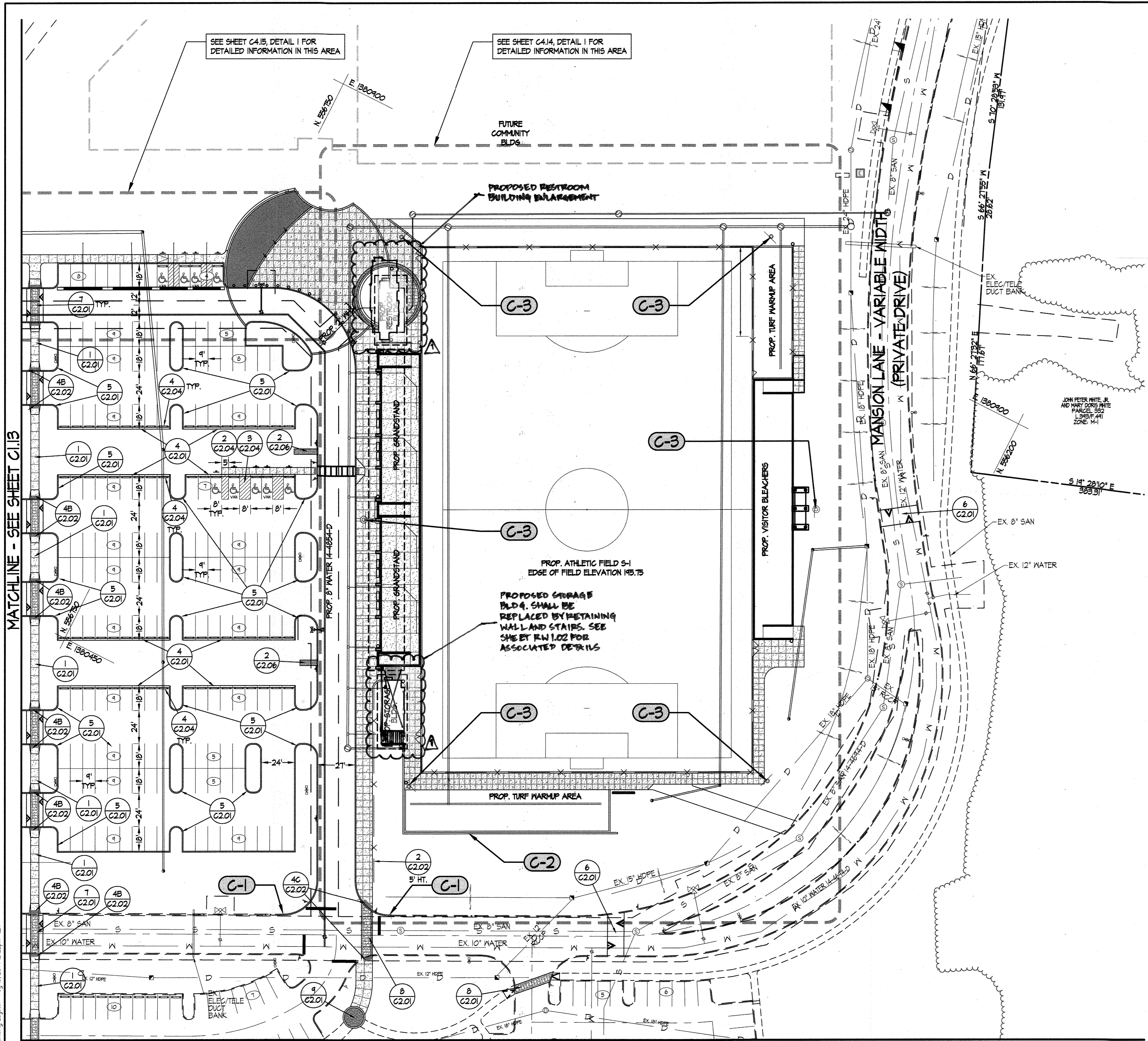
DES: JLT	BY	NO.	REVISION	DATE
DRN: JLT/AM				
CHK: AFE				
DATE: 08/14/14				

600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND

SCALE: 1"=40'
 C1.13
 SHEET 11 OF 61

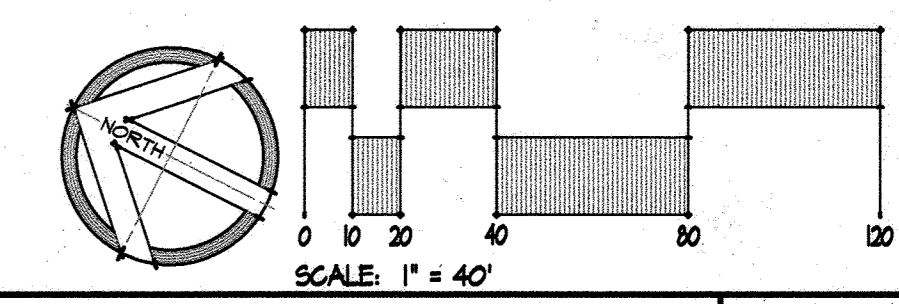
15000002-100 Troy Park Phase II Site Development Planning (C1.13 Detail) Reference Planning Layout Aug 25, 2014 04:51pm a.r.



MATCHLINE - SEE SHEET C1.13

MATCHLINE - SEE SHEET C1.12

- CONSTRUCTION NOTES** (THESE NOTES APPLY TO THIS SHEET ONLY)
- C-1** MEET EXISTING CURB & GUTTER SMOOTHLY FOR LINE & GRADE.
 - C-2** PROPOSED RETAINING WALL (SEE STRUCTURAL PLANS)
 - C-3** PROPOSED ATHLETIC FIELD LIGHTING, TYP OF 6.



APPROVED: DEPARTMENT OF PLANNING & ZONING
 Director: *D. W. K. [Signature]* 9/16/14
 Chief, Development Engineering Division: *[Signature]* 9-3-14
 Chief, Division of Land Development: *[Signature]* 9-24-14

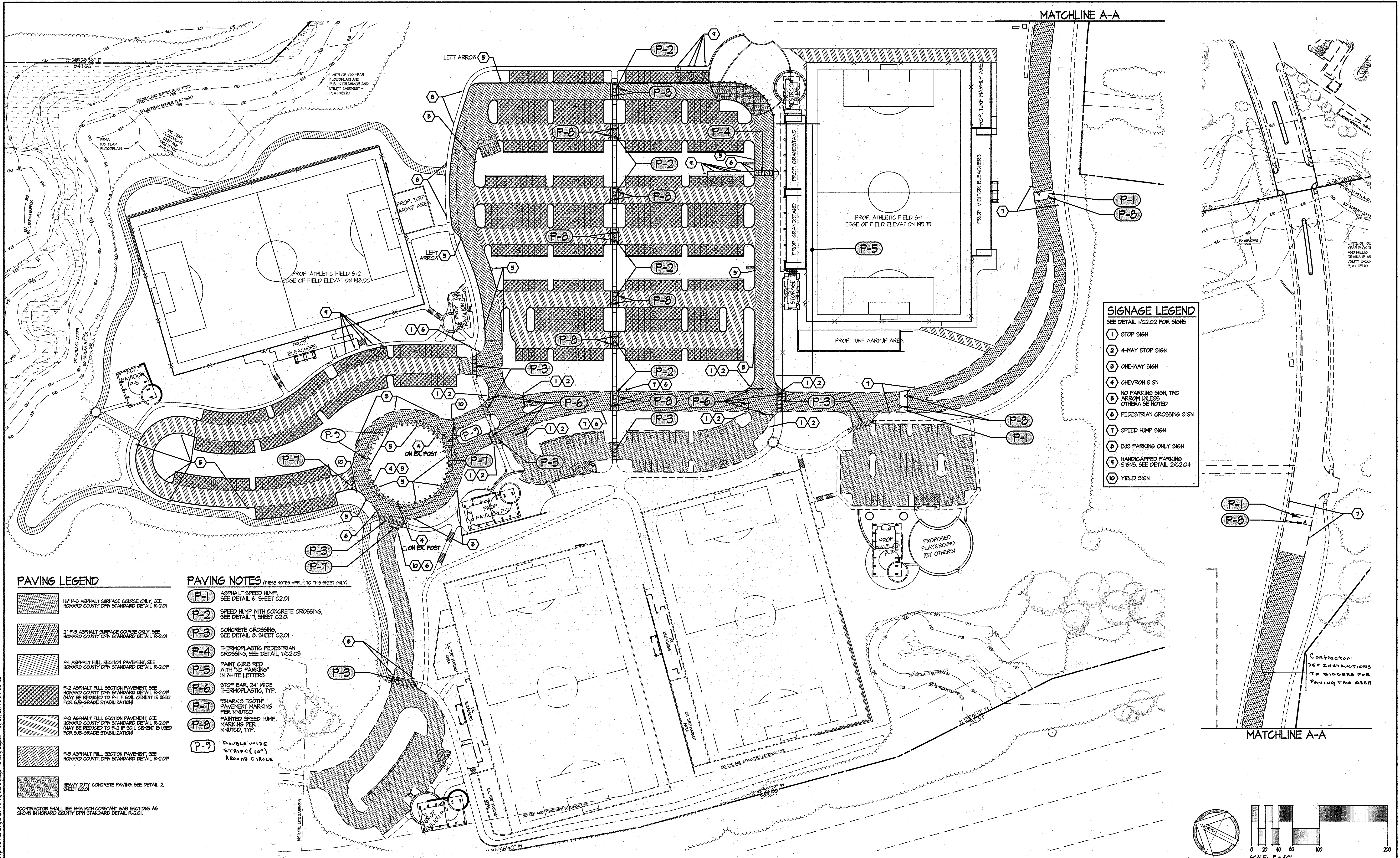
SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 16155 Armettsville Pike • Phoenix, Maryland 21114
 (410) 885-3388 • Fax (410) 885-3389

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 License No. 17-2114

DES: JLT	DATE: 08/14/14
DRN: JLT/AM	
CHK: AFE	
BY NO.	REVISION
DATE	DATE

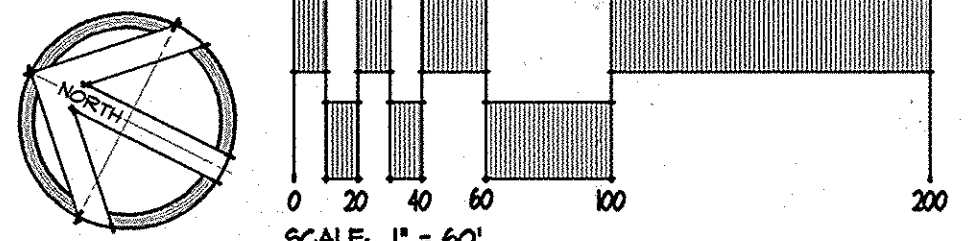
DETAIL REFERENCE PLAN
 600' SCALE MAP NO. 51 BLOCK NO. 16

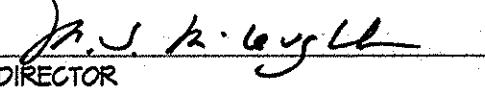
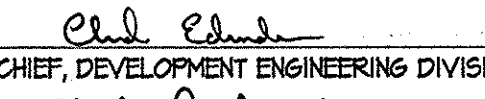



TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SHEET 12 OF 61
 SDP-14-033



- SIGNAGE LEGEND**
SEE DETAIL 1/C2.02 FOR SIGNS
- 1 STOP SIGN
 - 2 4-WAY STOP SIGN
 - 3 ONE-WAY SIGN
 - 4 CHEVRON SIGN
 - 5 NO PARKING SIGN, TWO ARROW UNLESS OTHERWISE NOTED
 - 6 PEDESTRIAN CROSSING SIGN
 - 7 SPEED HUMP SIGN
 - 8 BUS PARKING ONLY SIGN
 - 9 HANDICAPPED PARKING SIGN, SEE DETAIL 2/C2.04
 - 10 YIELD SIGN

- PAVING LEGEND**
- P-1 1.5" P-3 ASPHALT SURFACE COURSE ONLY, SEE HOWARD COUNTY DPM STANDARD DETAIL R-2.01
 - P-2 2" P-5 ASPHALT SURFACE COURSE ONLY, SEE HOWARD COUNTY DPM STANDARD DETAIL R-2.01
 - P-3 P-4 ASPHALT FULL SECTION PAVEMENT, SEE HOWARD COUNTY DPM STANDARD DETAIL R-2.01*
 - P-4 P-2 ASPHALT FULL SECTION PAVEMENT, SEE HOWARD COUNTY DPM STANDARD DETAIL R-2.01*
 - P-5 P-3 ASPHALT FULL SECTION PAVEMENT, SEE HOWARD COUNTY DPM STANDARD DETAIL R-2.01*
 - P-6 P-5 ASPHALT FULL SECTION PAVEMENT, SEE HOWARD COUNTY DPM STANDARD DETAIL R-2.01*
 - P-7 HEAVY DUTY CONCRETE PAVING, SEE DETAIL 2, SHEET C2.01
- PAVING NOTES** (THESE NOTES APPLY TO THIS SHEET ONLY)
- P-1 ASPHALT SPEED HUMP, SEE DETAIL 6, SHEET C2.01
 - P-2 SPEED HUMP WITH CONCRETE CROSSING, SEE DETAIL 7, SHEET C2.01
 - P-3 CONCRETE CROSSING, SEE DETAIL 8, SHEET C2.01
 - P-4 THERMOPLASTIC PEDESTRIAN CROSSING, SEE DETAIL 11/C2.03
 - P-5 PAINT CURB RED WITH "NO PARKING" IN WHITE LETTERS
 - P-6 STOP BAR, 24" WIDE THERMOPLASTIC, TYP.
 - P-7 "SHARK'S TOOTH" PAVEMENT MARKING PER M/MTCD
 - P-8 PAINTED SPEED HUMP MARKING PER M/MTCD, TYP.
 - P-9 DOUBLE WIDE STRIPE (10' ROUND CIRCLE)
- *CONTRACTOR SHALL USE HMA WITH CONSTANT GAB SECTIONS AS SHOWN IN HOWARD COUNTY DPM STANDARD DETAIL R-2.01.



APPROVED: DEPARTMENT OF PLANNING & ZONING  DIRECTOR  CHIEF, DEVELOPMENT ENGINEERING DIVISION  CHIEF, DIVISION OF LAND DEVELOPMENT		DATE: 9/18/14 DATE: 9-3-14 DATE: 9-12-14	ADDRESS / PERMIT INFORMATION PARCELS: 341, 342, 356, 350, 359, 358 LOT A-21, B5 LOT A-22 ADDRESS: 8400 HANSON LANE L571 / F.44, L10955 / F.391, L12205 / F.940, L5189 / F.600, L5341 / F.18, L4933 / F.481, L4933 / F.640, L4933 / F.640 GRID 11 18, ZONE: M-1, L571, L10955, L12205, L5189, L5341, L4933 M-1 SECTION DISTRICT, GENESIS TRACT 5012.02 WATER CODE: 400, SEWER CODE: 202200 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1102 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 315-2100 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1102 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 315-2100	 SITE RESOURCES Incorporated Comprehensive Land Planning & Site Design Services 14155 Annetville Pike • Poolesville, Maryland 21131 (410) 683-3388 • Fax (410) 683-3389	 STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION 26-14	DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14	BY: NO. REVISION DATE 600' SCALE MAP NO. 51 BLOCK NO. 16	PAVING & SIGNAGE PLAN TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND SHEET 13 OF 61 SDF-14-033
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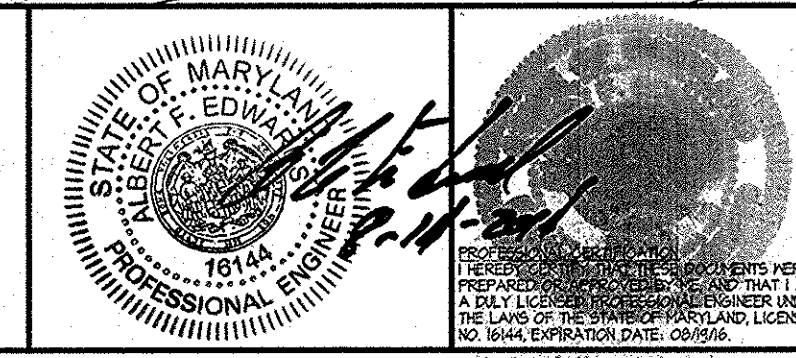
LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	DESCRIPTION	LAMPS		MAX H.	MOUNTING	MANU. / MODEL No. (OR APPROVED EQUAL)	
			VOLTS	NO.				
⊙	STREET	SHOEBOX FIXTURE MOUNTED AT 30' ON A FIBERGLASS POLE.	-	1	LED	250	30' POLE	XSB CROSSOVER AREA LIGHT
⊙	STREET	DOUBLE SHOEBOX FIXTURE MOUNTED AT 30' ON A FIBERGLASS POLE.	-	2	LED	250	30' POLE	XSB CROSSOVER AREA LIGHT
○	SPORT FIELD	MULTIPLE FIXTURES MOUNTED AT 10' - 110' ON A STEEL POLE.	-	VARIES	MZ	1500	10' - 110' POLE	MISCO

APPROVED: DEPARTMENT OF PLANNING & ZONING
Paul A. Gough
 DIRECTOR
Chad E. Cook
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
Walter D. ...
 CHIEF, DIVISION OF LAND DEVELOPMENT

DATE: 9/16/14
 DATE: 9/3-14
 DATE: 9/18/14

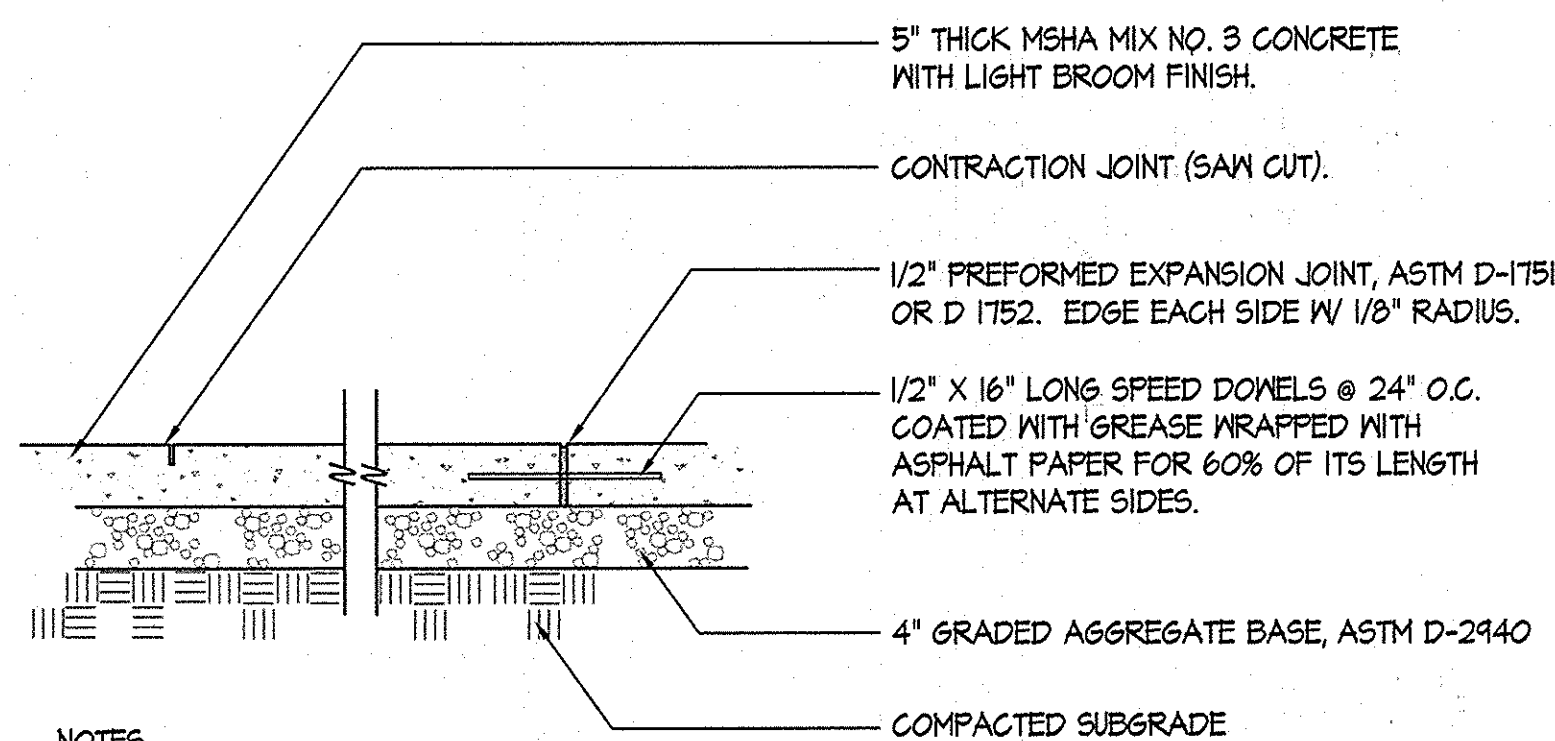
ADDRESS / PERMIT INFORMATION
 PROJECT: 245 S.W. 2nd St., 195, 195 LOT A-21, 195 LOT A-22
 ADDRESS: 4200 MANSION LANE
 L1811 / F144, L10599 / F135, L12209 / F190, L13193 / F1600,
 L1354 / F130, L1495 / F143, L1495 / F143, L1495 / F143,
 GRID H & I, ZONE: M4, TAX MAP NO. 31
 IN ELECTION DISTRICT: C0818 TRACT 802.02
 WATER CODE: 400, SEWER CODE: 252200
 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 336-2100
 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 336-2100



DESIGNER: JLT	DATE: 08/14/14
DESIGNER: JLT/AM	BY: NO.
CHECKER: AFE	REVISION

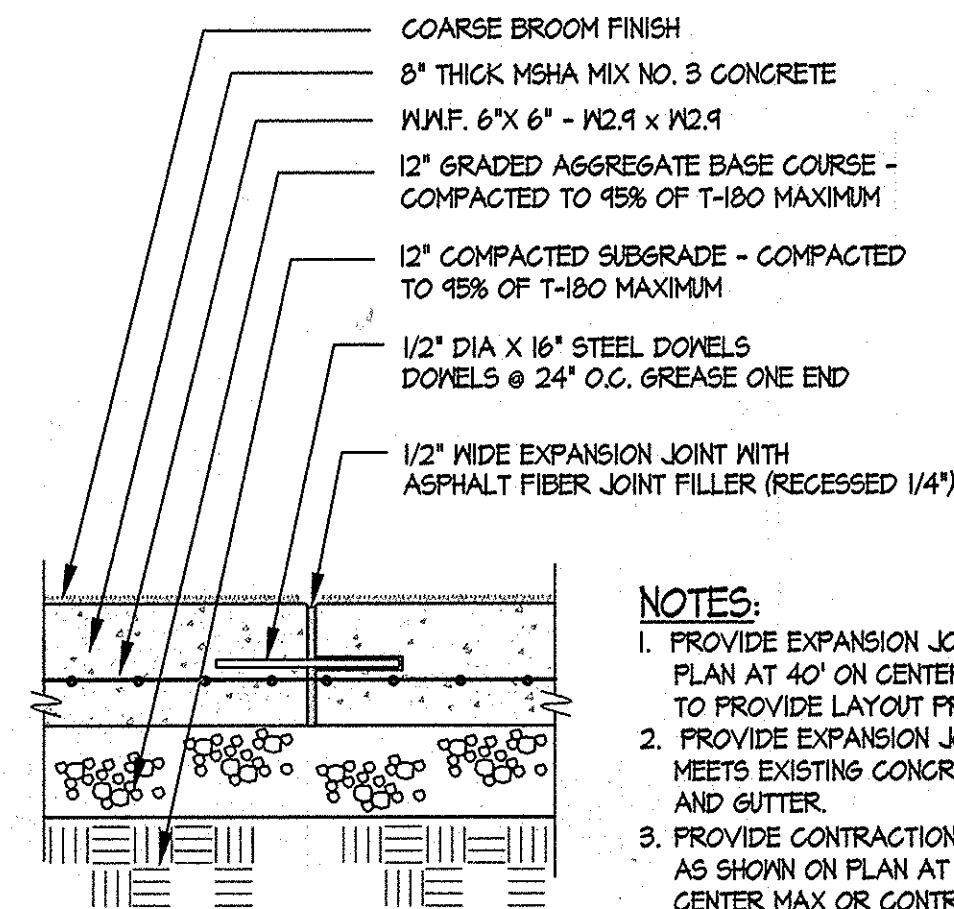
LIGHTING LEVELS PLAN
 600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SCALE: 1"=60'
 C1.21
 SHEET 14 OF 61
 SDP-14-033



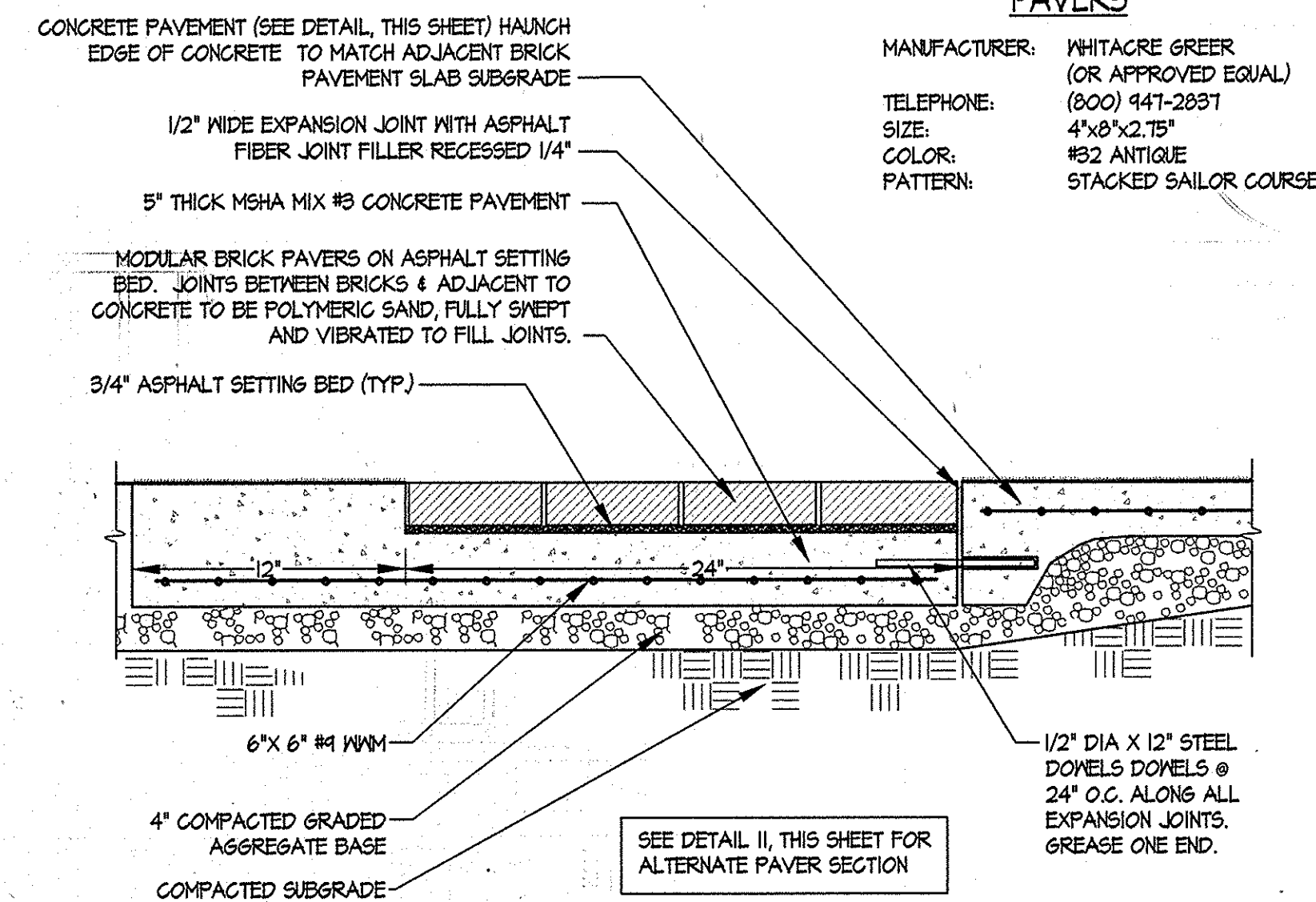
- NOTES:**
1. Place expansion joints not more than 20'-25' apart and at the end of each contiguous pour.
 2. Place contraction joints at interval matching width of sidewalk but not more than 6' apart.
 3. Provide expansion joints where pour meets existing concrete paving or curb.
 4. Expansion joints to be recessed 1/4" below surface of sidewalk.
 5. When sidewalk abuts back of street curb, walk shall be 1/4" above top of curb.
 6. When sidewalk abuts existing concrete walk, core drill and install dowels per detail.
 7. Match score pattern of adjacent sidewalk where practical.
 8. Unless otherwise shown on plan, contractor to submit layout of proposed contraction expansion joints for approval prior to pouring concrete.
 9. The cross slope of an accessible route shall not exceed 2%.

1 CONCRETE PAVEMENT
NOT TO SCALE



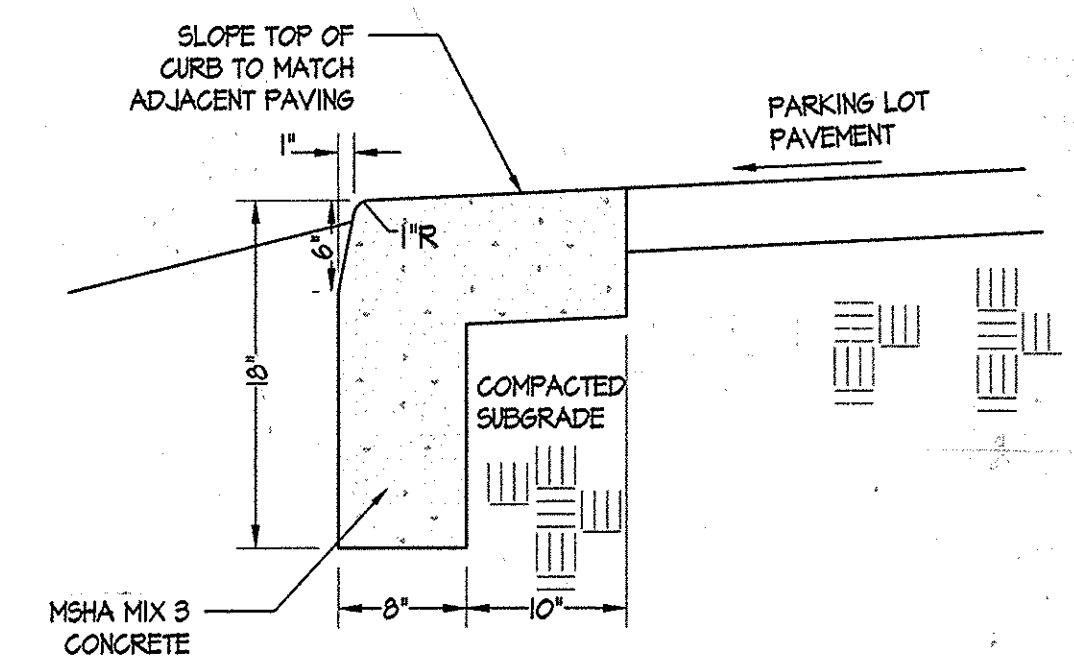
- NOTES:**
1. PROVIDE EXPANSION JOINTS AS SHOWN ON PLAN AT 40' ON CENTER MAX OR CONTRACTOR TO PROVIDE LAYOUT PRIOR TO CONSTRUCTION.
 2. PROVIDE EXPANSION JOINTS WHERE FOUR MEETS EXISTING CONCRETE PAVING OR CURB AND GUTTER.
 3. PROVIDE CONTRACTION JOINTS (SCORE LINES) AS SHOWN ON PLAN AT 2' DEPTH AND 20' ON CENTER MAX OR CONTRACTOR TO PROVIDE LAYOUT PRIOR TO CONSTRUCTION.

2 HEAVY-DUTY CONCRETE PAVEMENT
NOT TO SCALE

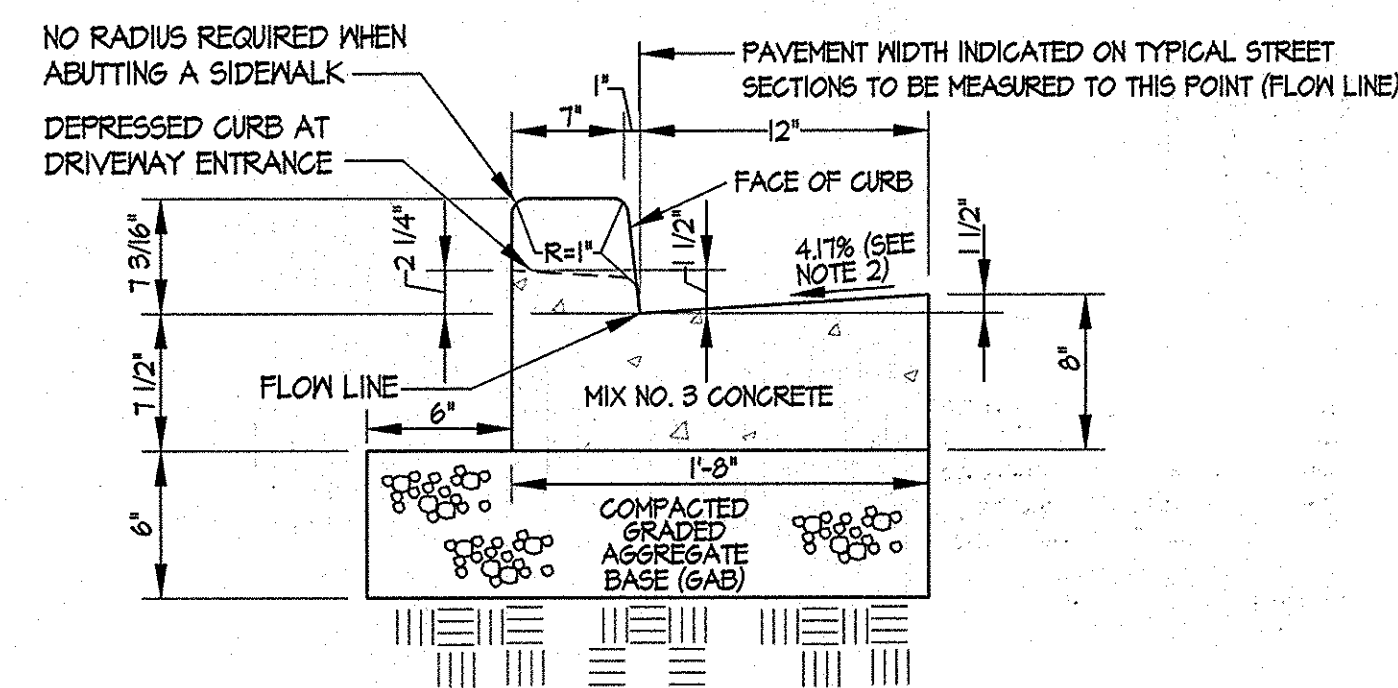


PAVERS
MANUFACTURER: WHITACRE GREER (OR APPROVED EQUAL)
TELEPHONE: (800) 947-2831
SIZE: 4'x8'x2.75"
COLOR: #52 ANTIQUE
PATTERN: STACKED SAILOR COURSE

3 PAVER BANDS IN CONCRETE PAVING
NOT TO SCALE

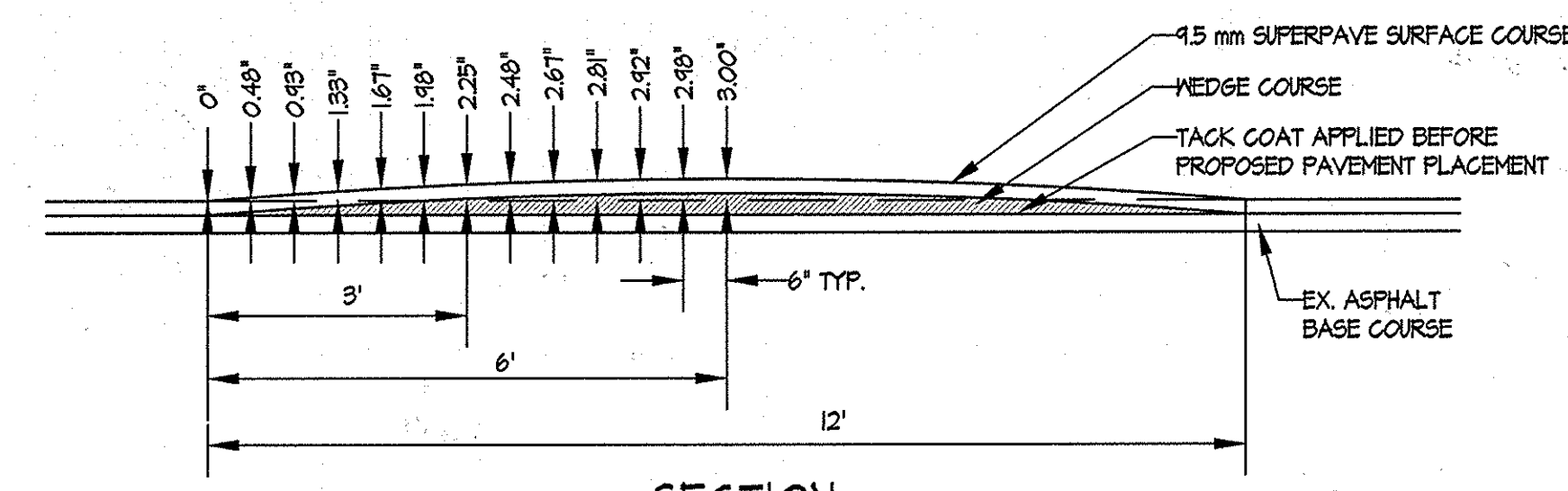


4 FLUSH CURB DETAIL
NOT TO SCALE



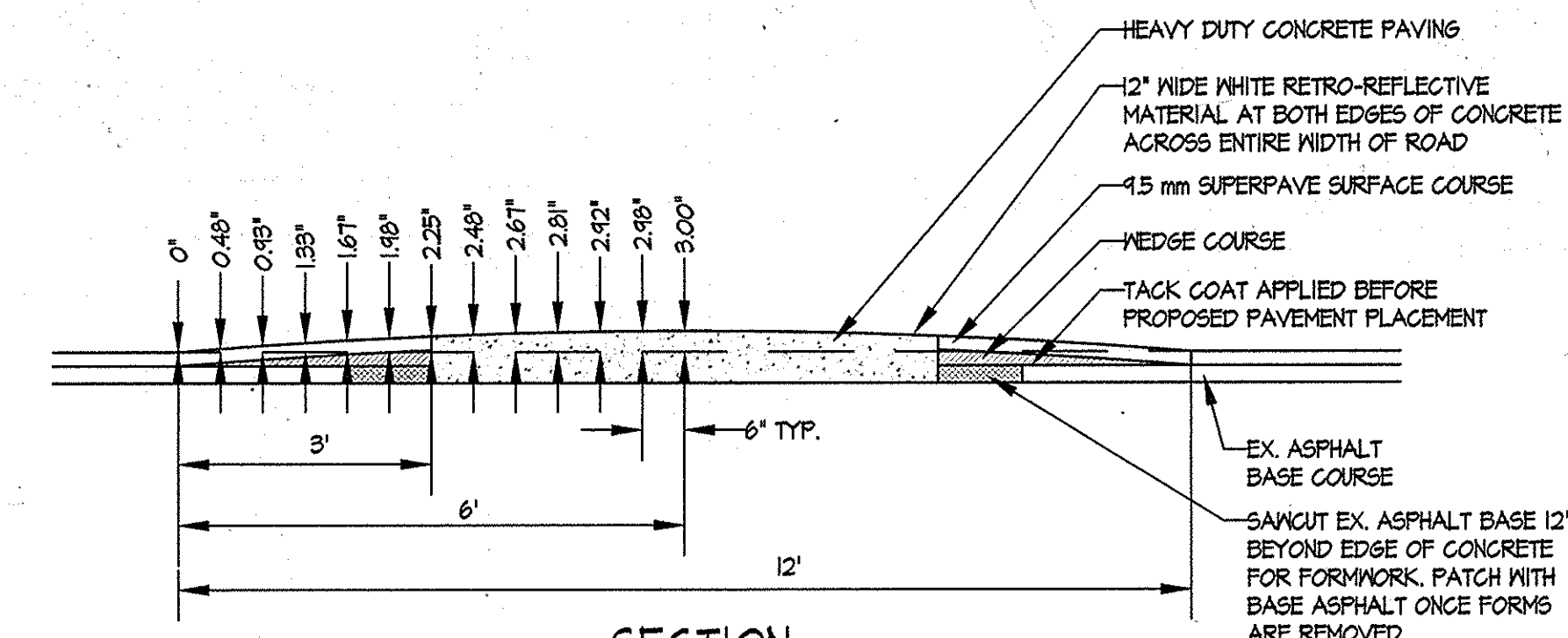
- NOTES:**
1. A REVERSE GUTTER PAN SHALL HAVE A GUTTER SLOPE OF 4.11% AWAY FROM THE FLOW LINE AND SHALL NOT BE USED WHERE THIS DRAINAGE CREATES A HAZARDOUS CONDITION.
 2. GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT. MATCH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 8% FOR MODIFIED CURB AND GUTTER.
 3. A MINIMUM OF TWO (2) FEET OF COMPACTED STABILIZED EARTH, OR EQUIVALENT, SHALL SUPPORT THE ENTIRE BACK OF CURB.
 4. POSITIVE DRAINAGE SHALL BE PROVIDED BOTH BEHIND THE CURB AND ALONG THE GUTTER AND FLOW LINE.

5 CURB AND GUTTER
HOWARD COUNTY STD. DETAIL R-3.01
NOT TO SCALE



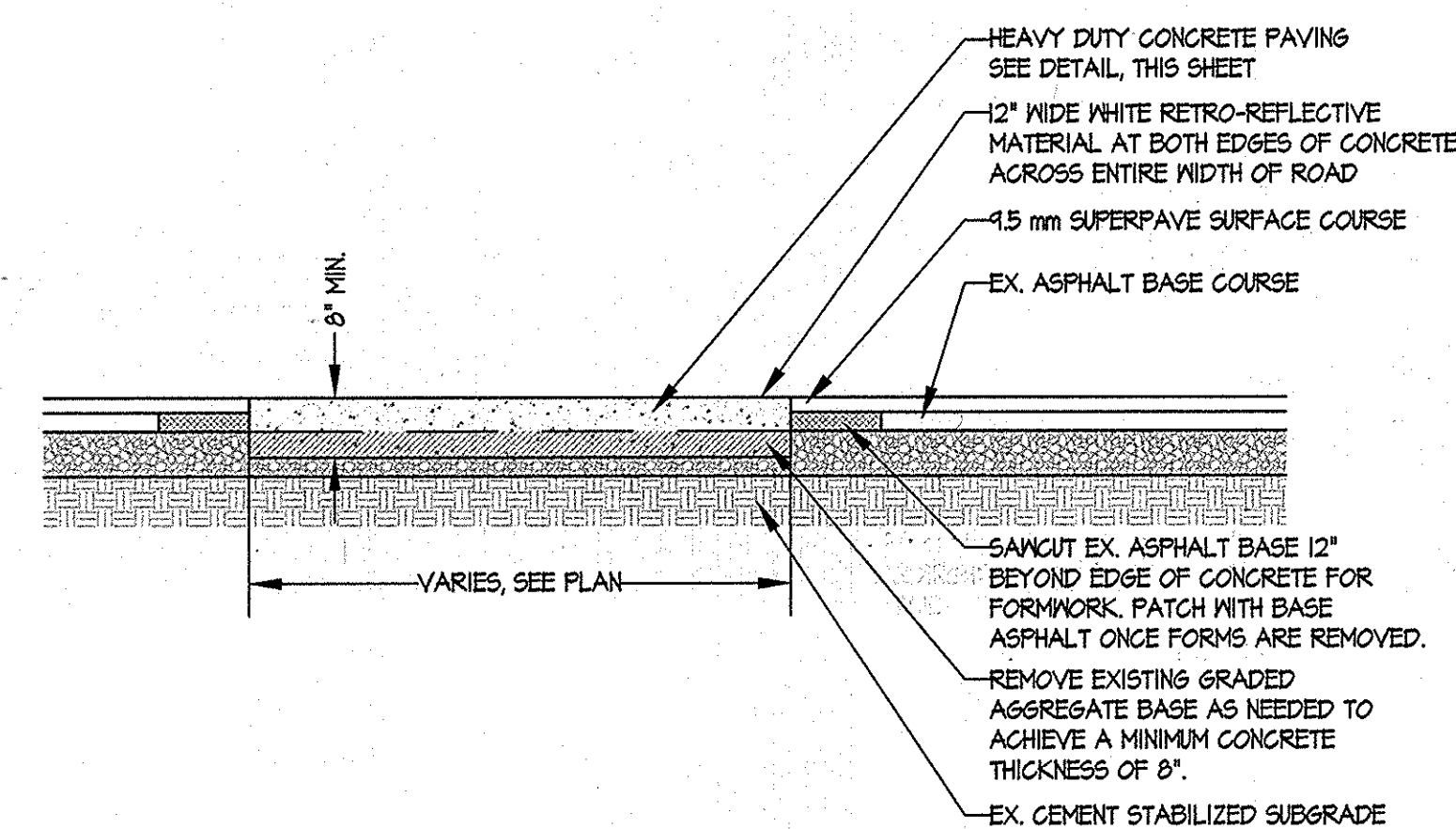
EDGE TREATMENT

6 ASPHALT SPEED HUMP DETAIL
WATTS PROFILE, 3" MAX HEIGHT.
NOT TO SCALE

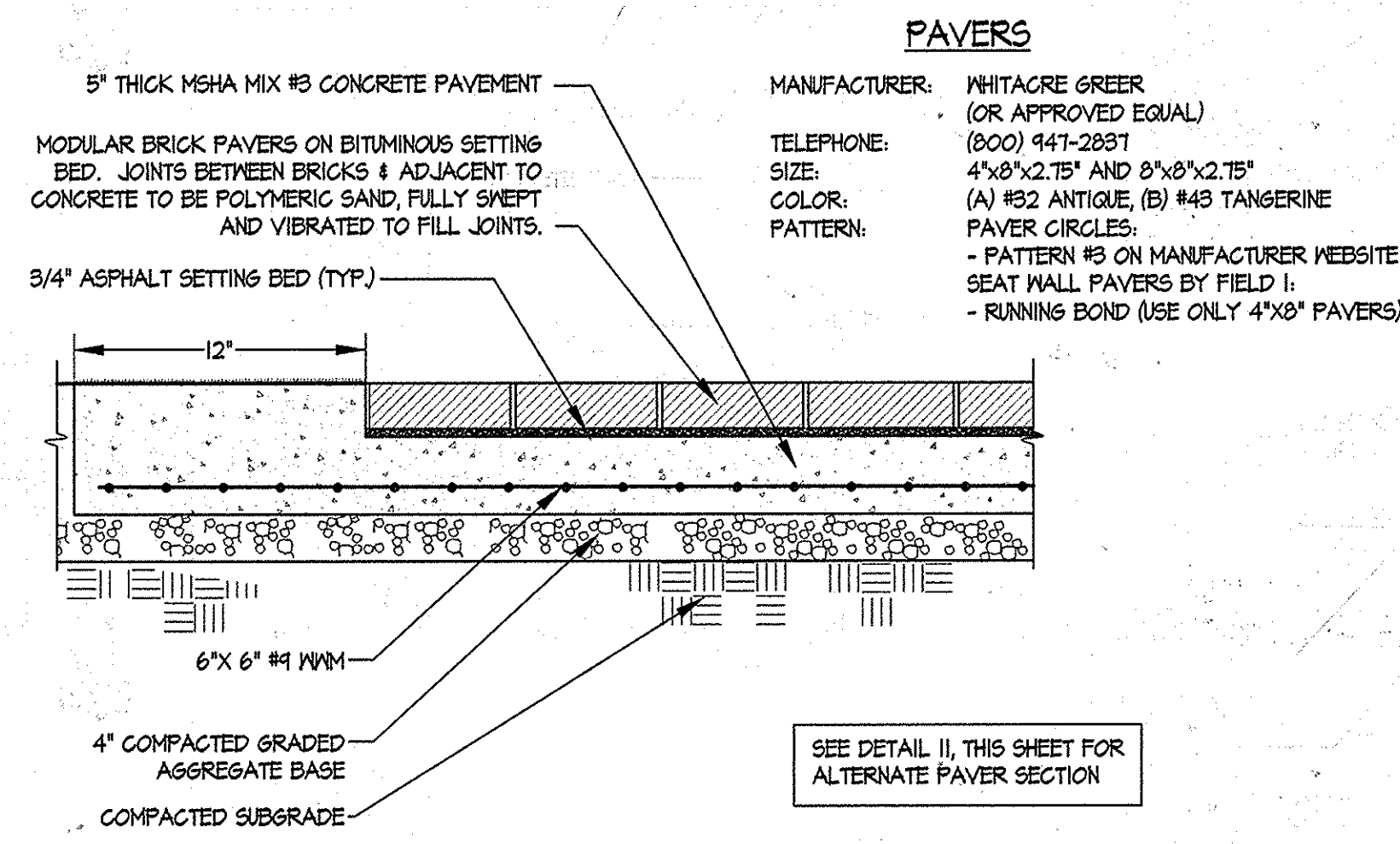


EDGE TREATMENT

7 SPEED HUMP WITH CONCRETE CROSSING DETAIL
WATTS PROFILE, 3" MAX HEIGHT.
NOT TO SCALE

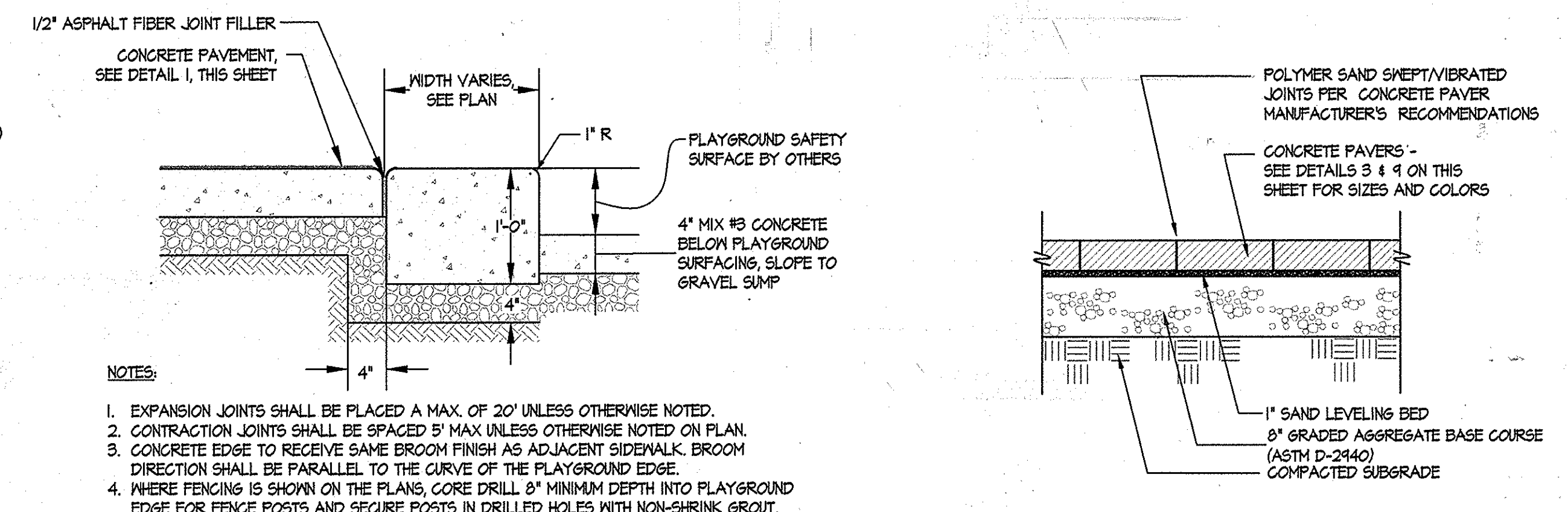


8 CONCRETE CROSSING DETAIL
NOT TO SCALE



PAVERS
MANUFACTURER: WHITACRE GREER (OR APPROVED EQUAL)
TELEPHONE: (800) 947-2831
SIZE: 4'x8'x2.75" AND 8'x8'x2.75"
COLOR: (A) #52 ANTIQUE, (B) #43 TANGIERINE
PATTERN: PAVES CIRCLES
- PATTERN #3 ON MANUFACTURER WEBSITE
SEAT WALL PAVES BY FIELD I.
- RUNNING BOND (USE ONLY 4'x8' PAVERS)

9 UNIT PAVERS WITH CONCRETE EDGE
NOT TO SCALE



- NOTES:**
1. EXPANSION JOINTS SHALL BE PLACED A MAX. OF 20' UNLESS OTHERWISE NOTED.
 2. CONTRACTION JOINTS SHALL BE SPACED 5' MAX UNLESS OTHERWISE NOTED ON PLAN.
 3. CONCRETE EDGE TO RECEIVE SAME BROOM FINISH AS ADJACENT SIDEWALK. BROOM DIRECTION SHALL BE PARALLEL TO THE CURVE OF THE PLAYGROUND EDGE.
 4. WHERE FENCING IS SHOWN ON THE PLANS, CORE DRILL 8" MINIMUM DEPTH INTO PLAYGROUND EDGE FOR FENCE POSTS AND SECURE POSTS IN DRILLED HOLES WITH NON-SHRINK GROUT.

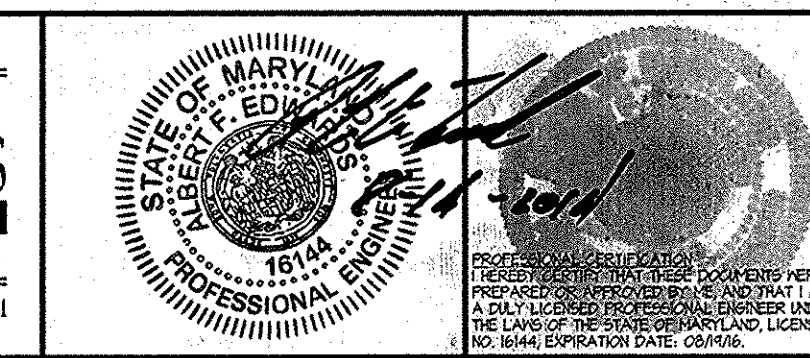
10 FLUSH CONCRETE PLAYGROUND EDGE
NOT TO SCALE

11 ALTERNATE PAVER SECTION
DUCT ALTERNATE
NOT TO SCALE

T:\010042-Eng Plan Files\11 Site Development\Plan\010042-01 Site Details.dwg - jlt Aug 19, 2014 12:29pm - JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING	ADDRESS / PERMIT INFORMATION
<i>Jane A. Wright</i>	PARCELS: 281, 282, 283, 284, 285, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

SITE RESOURCES
Incorporated
Comprehensive Land Planning & Site Design Services
1416 Arundell Pike • Phoenix, Maryland 21131
(410) 885-3388 • Fax (410) 885-3389



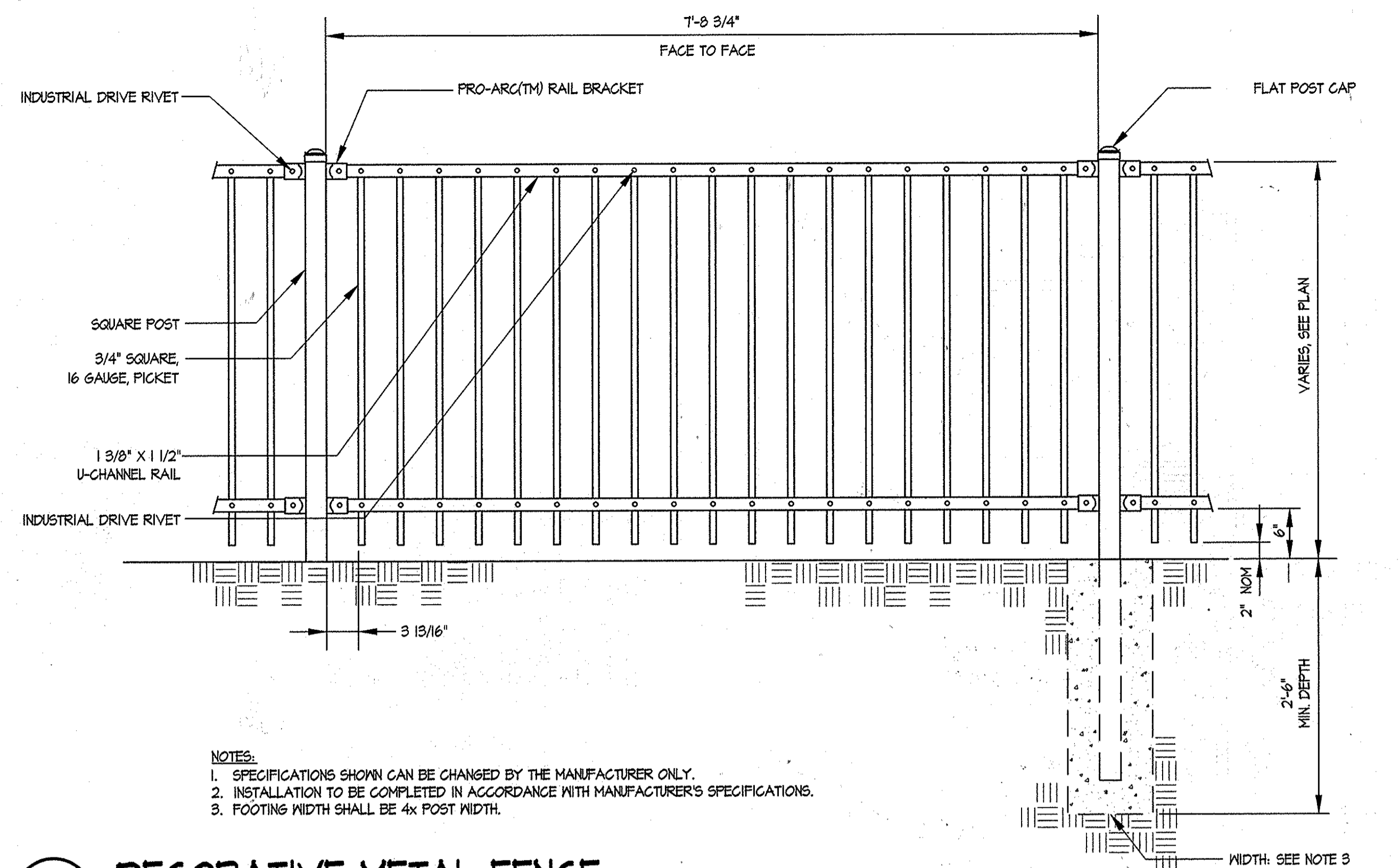
DES: JLT	DATE: 08/14/14
DRN: JLT/AM	BY: NO.
CHK: AFE	REVISION

SITE DETAILS	
600' SCALE MAP NO. 51	BLOCK NO. 16

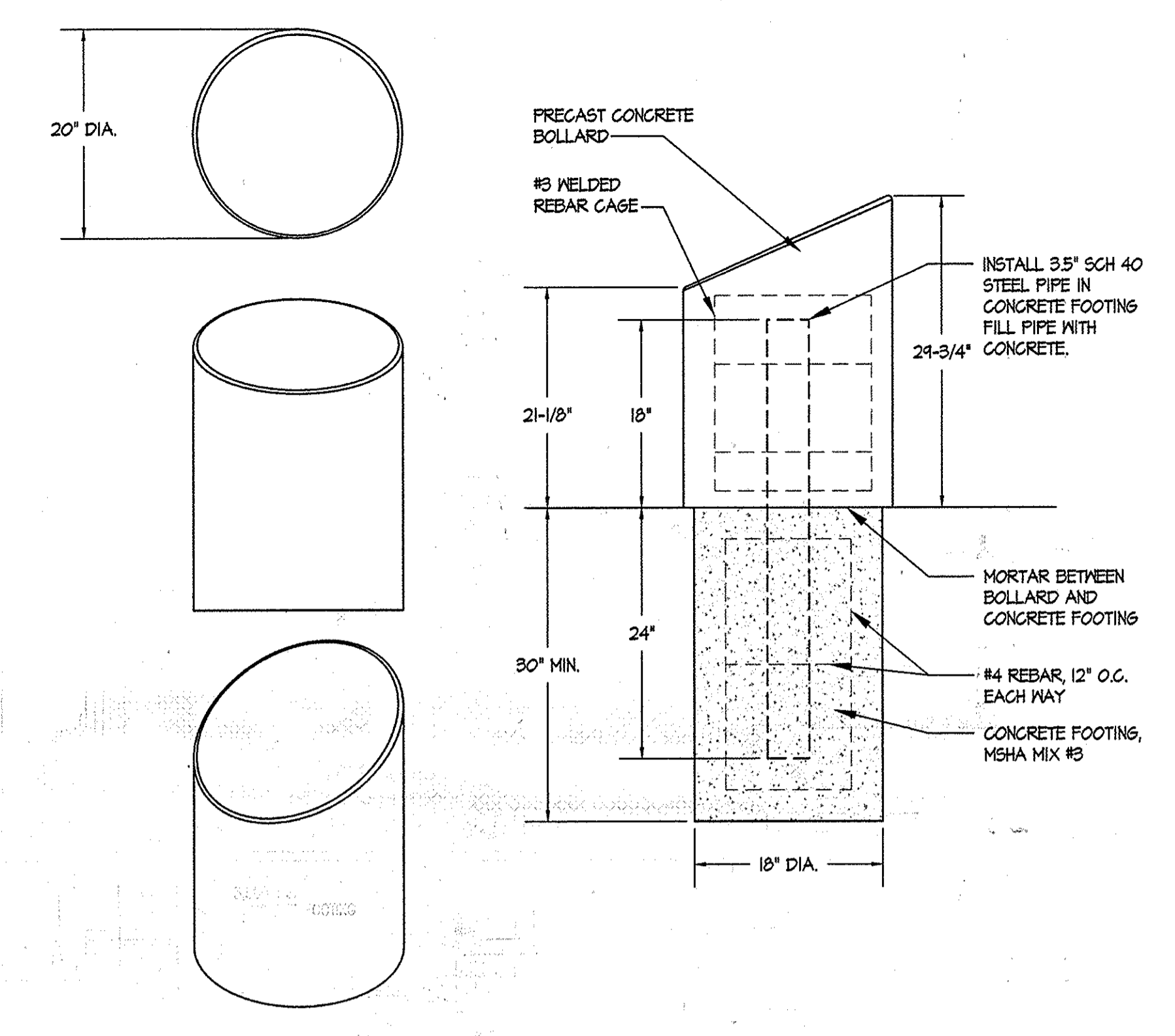
TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
HOWARD COUNTY, MARYLAND
CAPITAL PROJECT NO. N-3457
SCALE: AS SHOWN
C2.01
SHEET 15 OF 67
SDP-14-033



1 SIGNAGE
SEE DETAIL 9/C2.04 FOR MOUNTING POST DETAILS
NOT TO SCALE

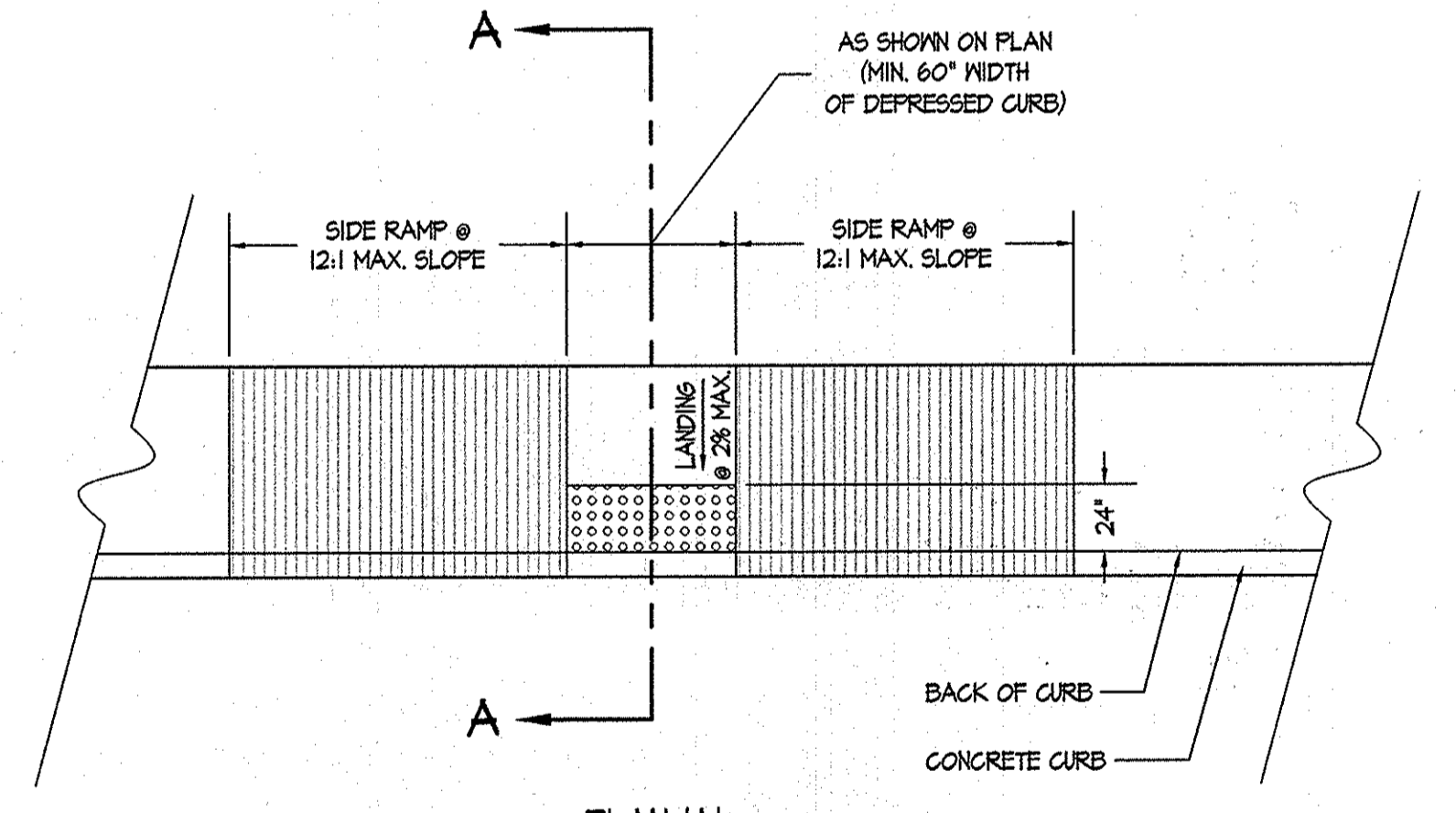


2 DECORATIVE METAL FENCE
3/4" PICKETS
NOT TO SCALE

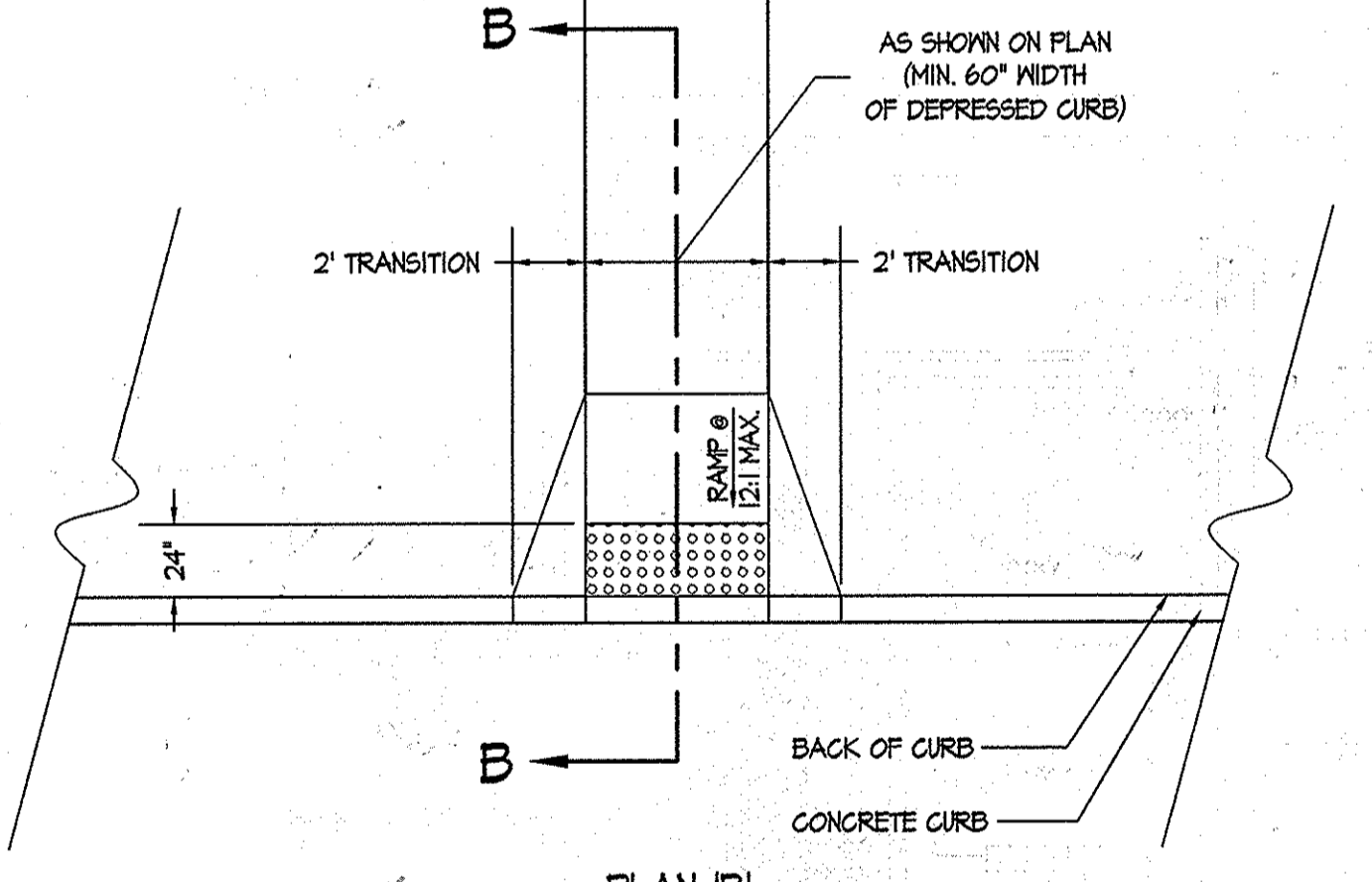


3 CONCRETE BOLLARD
PETERSEN MANUFACTURING COMPANY, MODEL #BP OR APPROVED EQUAL
NOT TO SCALE

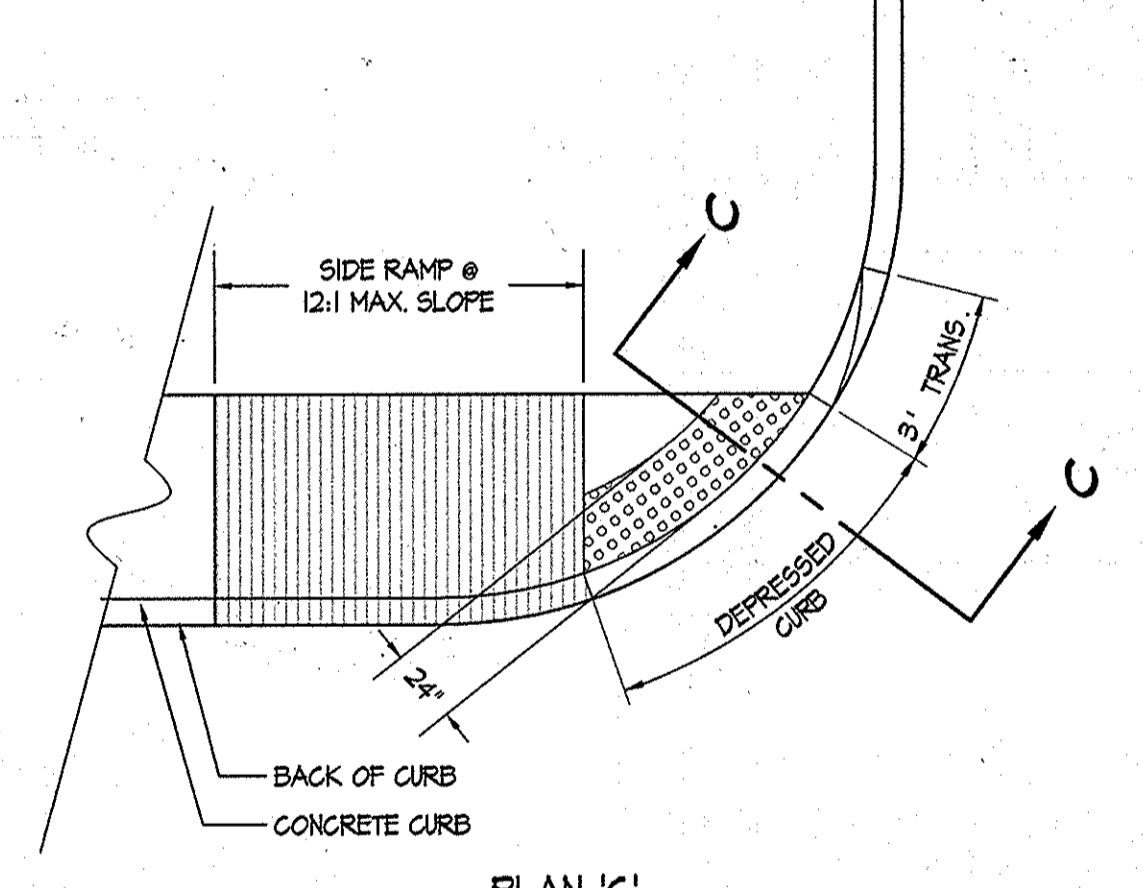
NOTES:
1. SURFACE TEXTURE OF ALL CONCRETE RAMPS SHALL BE COARSE BROOMING OR OTHER NON-SKID TYPE FINISH.
2. TRUNCATED DOME DETECTABLE MARKING STRIPS SHALL BE INSTALLED FOR ALL RAMPS IN ACCORDANCE WITH MARYLAND STATE HIGHWAY ADMINISTRATION STD. NO. MD-655.40.



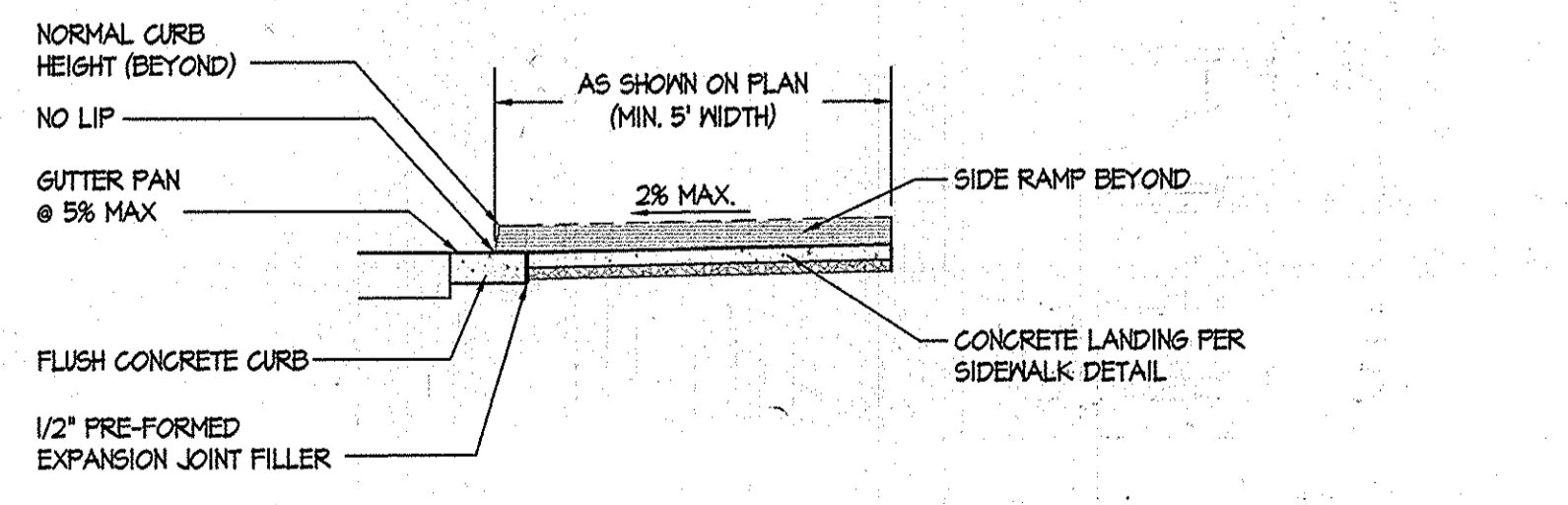
PLAN 'A'



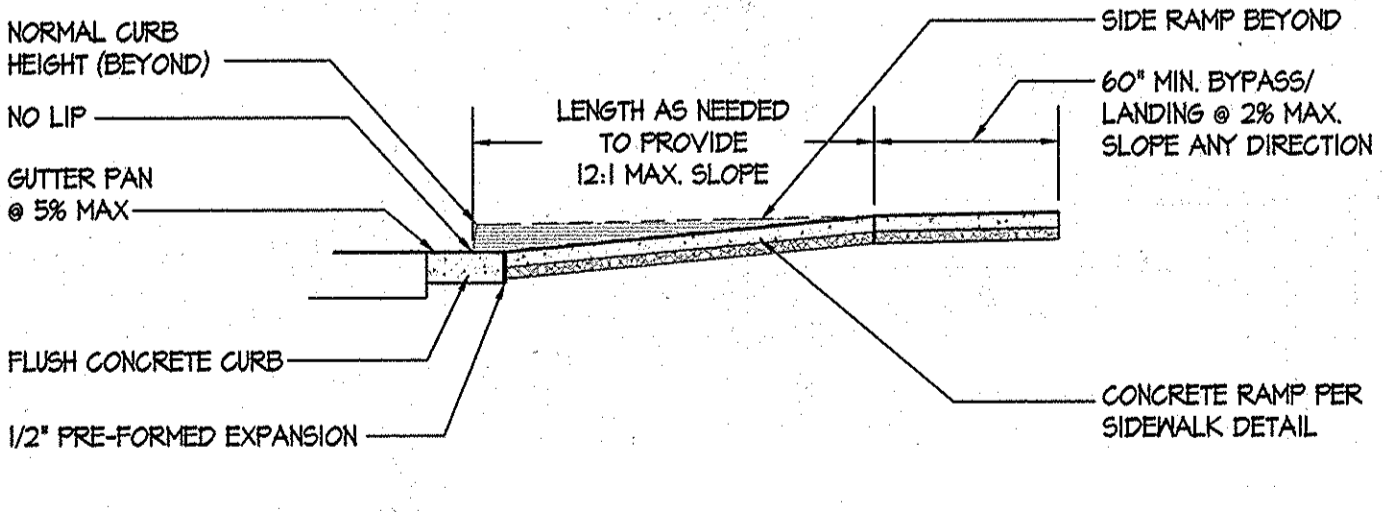
PLAN 'B'



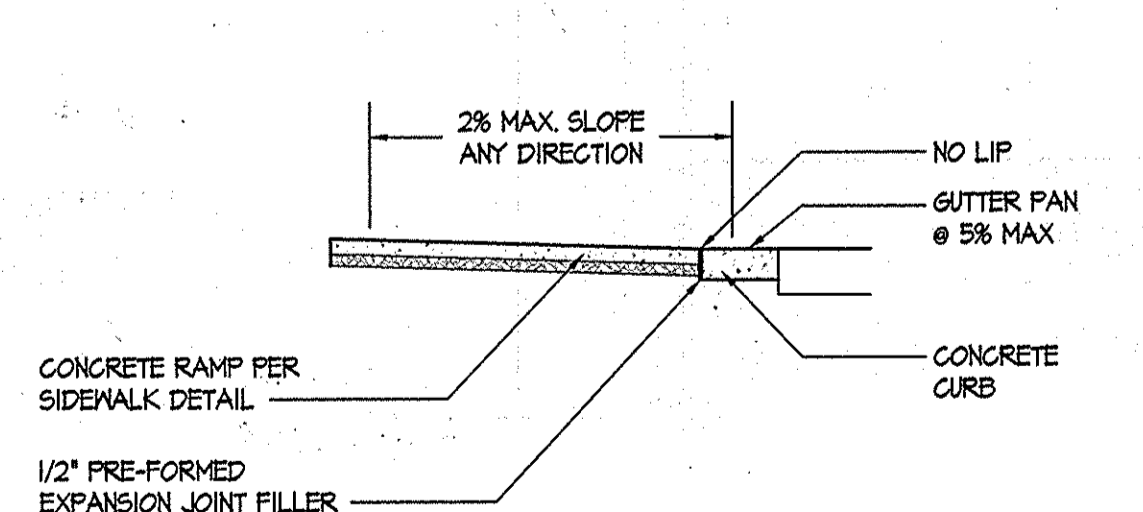
PLAN 'C'



SECTION A-A

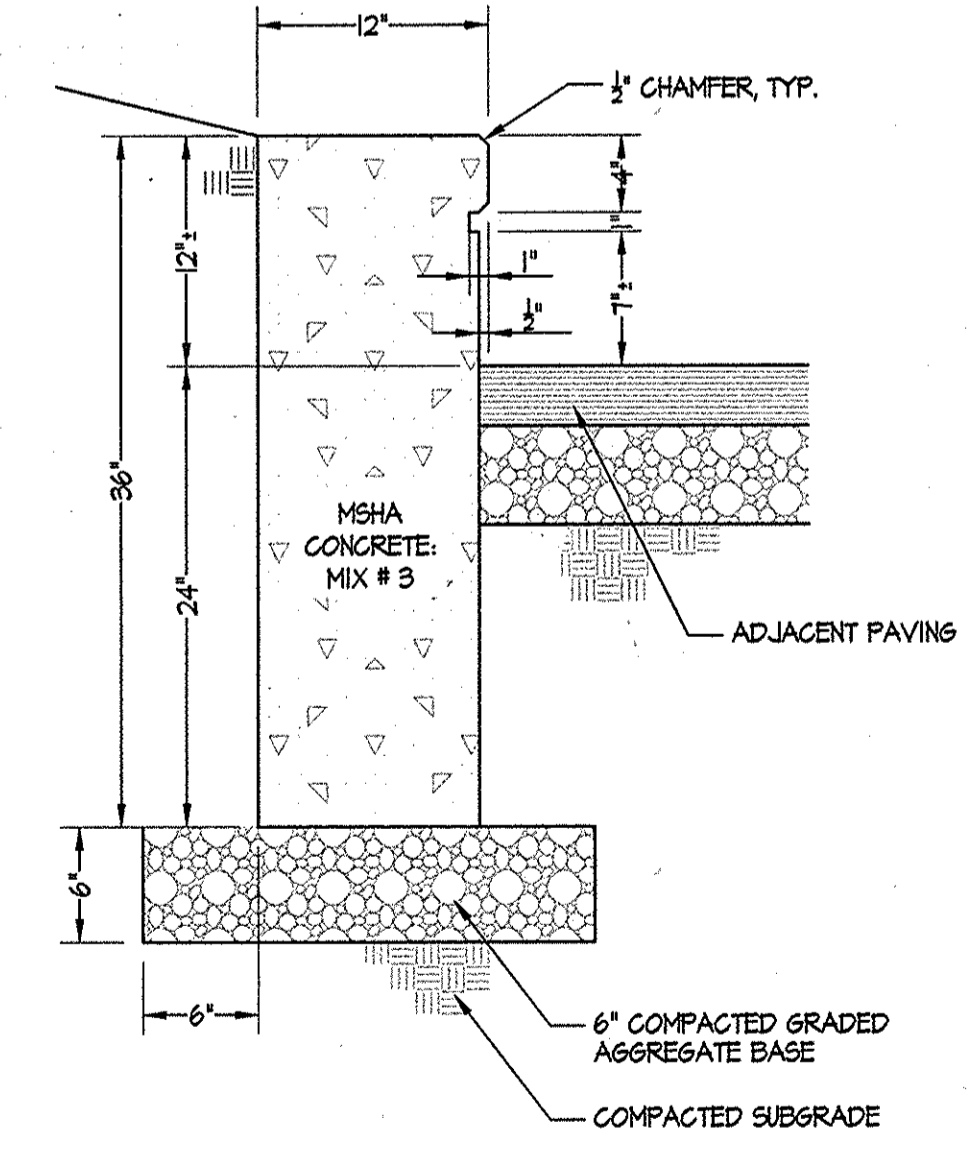


SECTION B-B



SECTION C-C

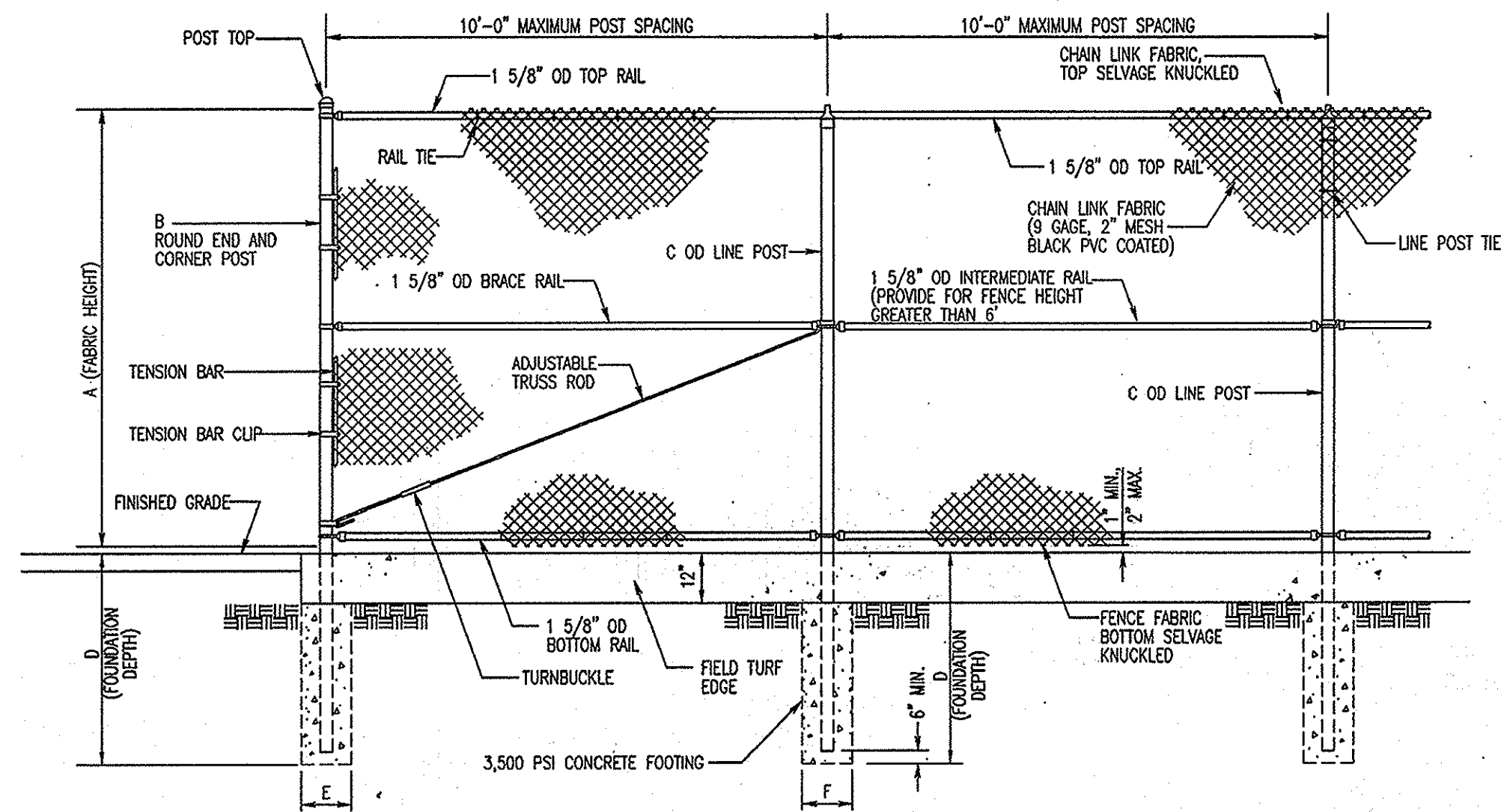
4 CURB RAMP
NOT TO SCALE



5 PLANTER CURB DETAIL
NOT TO SCALE

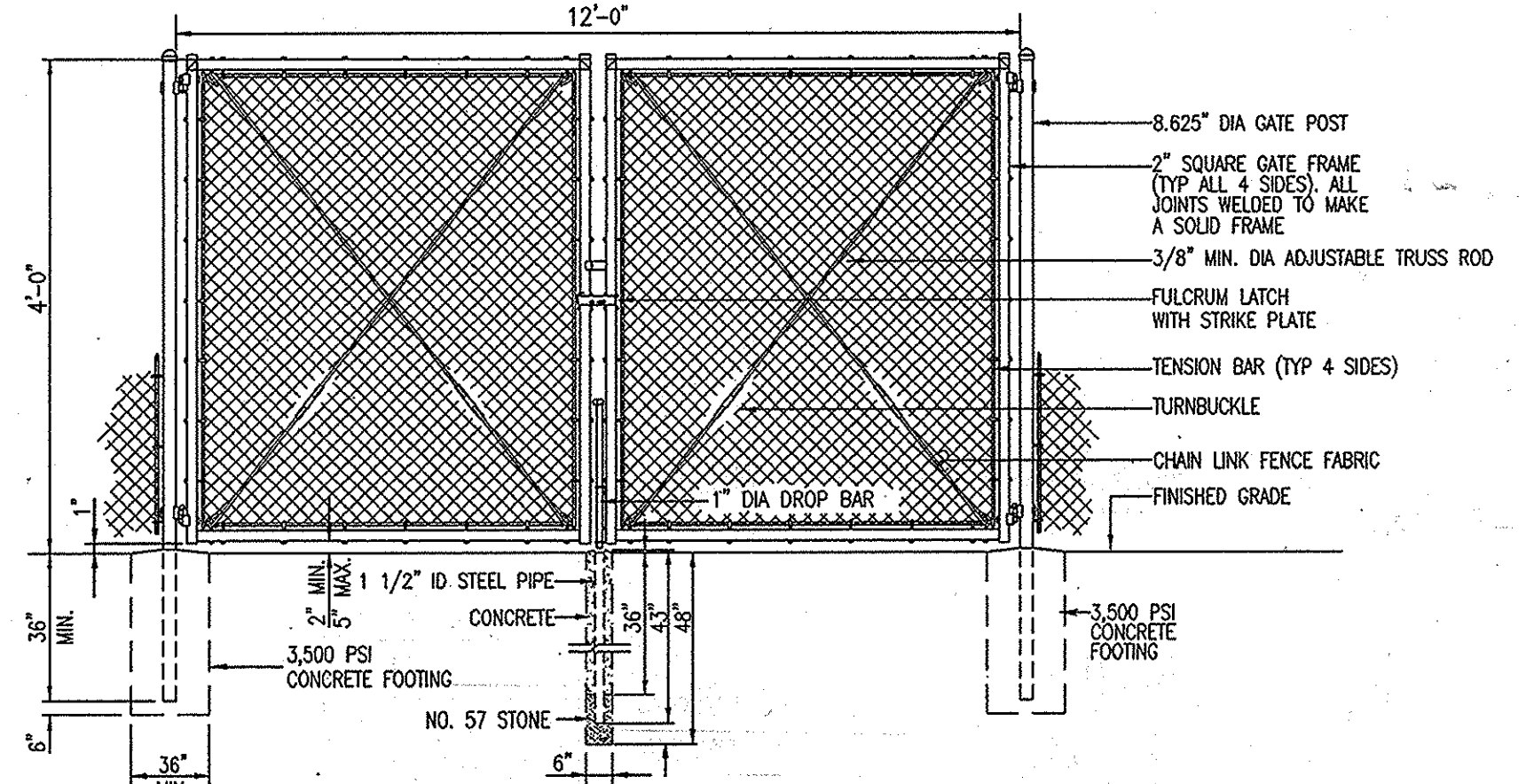
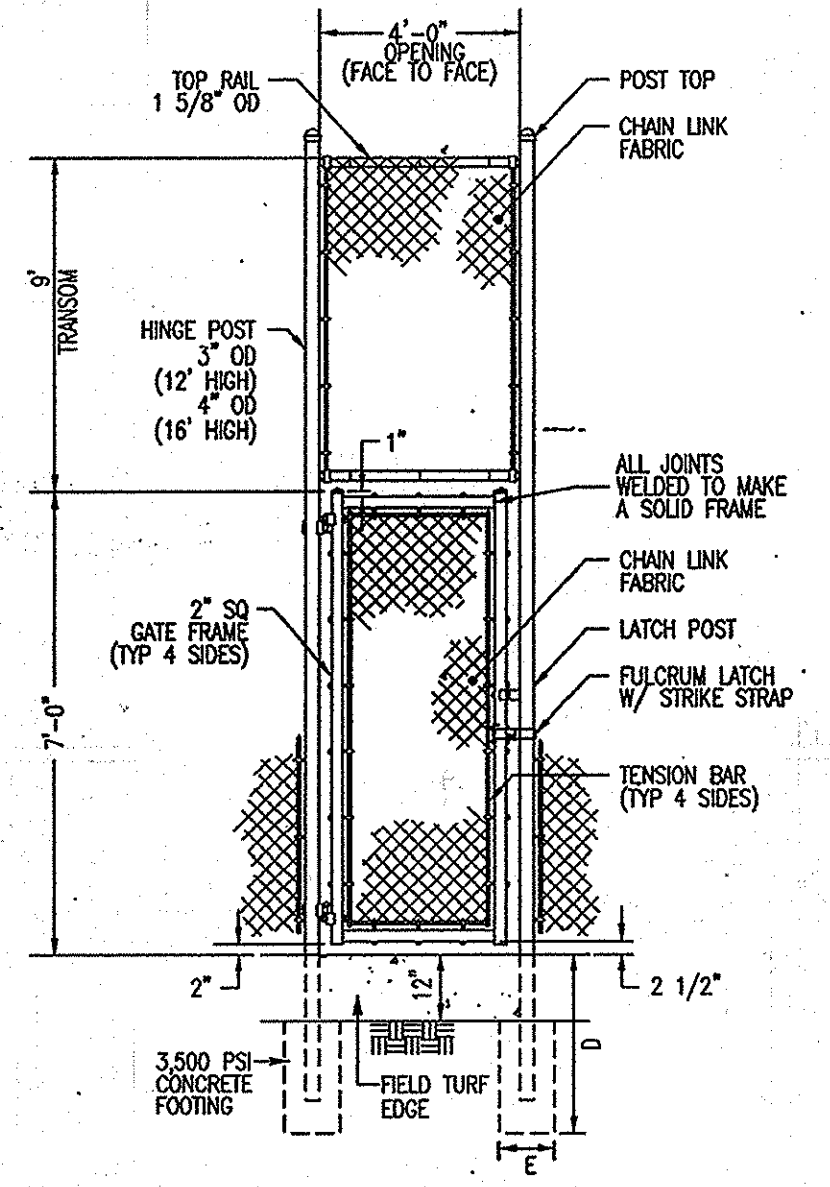
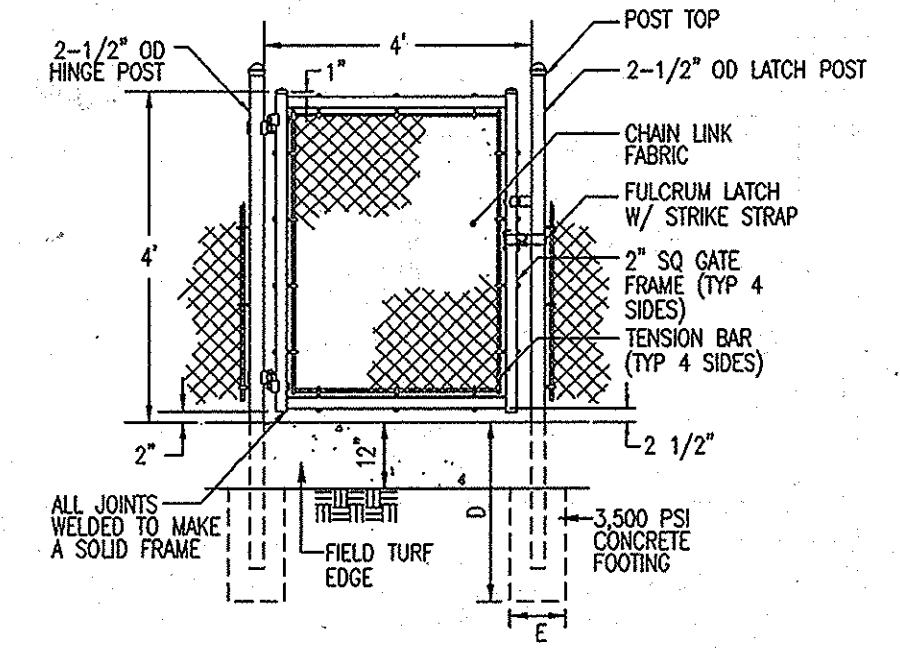
T:\000000_Troy Park Phase II Site Development\Plan\0202_Site Details\0202.dwg Aug 13, 2014 10:28am JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING DIRECTOR CHIEF, DEVELOPMENT ENGINEERING DIVISION CHIEF, DIVISION OF LAND DEVELOPMENT		DATE: 9/16/14 DATE: 9/15/14 DATE: 9/18/14		ADDRESS / PERMIT INFORMATION PARCEL: 301, 345, 342, 356, 102, 105, 109 LOT A-21, 109 LOT A-22 ADDRESS: 6400 MANSION LANE L371 / F44, L10599 / F351, L12209 / F340, L5109 / F600, L3541 / F10, L4953 / F451, L4953 / F450, L4953 / F450, GRID 11 & 12, ZONE: M4, TAX MAP NO. 31 IN ELECTION DISTRICT: CENSUS TRACT 602.02 WATER CODE: 400, SEWER CODE: 262200 OWNER: HOWARD COUNTY MARYLAND, DEPT. OF RECREATION AND PARKS 1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE: (410) 382-2700 DEVELOPER: HOWARD COUNTY MARYLAND, DEPT. OF RECREATION AND PARKS 1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE: (410) 382-2700		 SITE RESOURCES Incorporated Comprehensive Land Planning & Site Design Services 14165 Arrettonville Pike • Poolesville, Maryland 21131 (410) 982-3388 • Fax: (410) 982-3389		DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14		600' SCALE MAP NO. 51 BLOCK NO. 16		SITE DETAILS		TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 C2.02 SHEET 16 OF 67		CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND SCALE: AS SHOWN SDP-14-033	
--	--	--	--	--	--	---	--	---	--	---	--	---------------------	--	---	--	--	--



A (FENCE HEIGHT AS SHOWN ON PLAN)	4'-0\"/>			
B (END AND CORNER POST DIA.)	2 1/2"	3"	3"	4"
C (LINE POST DIA.)	2"	2 1/2"	3"	3"
D (FOUNDATION DEPTH)	3'-0"	3'-6"	4'-6"	5'-6"
E (END AND CORNER POST FOUNDATION DIA.)	12"	15"	15"	18"
F (LINE POST FOUNDATION DIA.)	10"	12"	15"	15"

ALL RAILS AND POSTS SHALL BE BLACK PVC COATED
 * WHERE FENCES WITH DIFFERENT HEIGHTS MEET, PROVIDE END/CORNER POST WITH LARGEST DIAMETER



1 CHAIN LINK FENCE
NOT TO SCALE

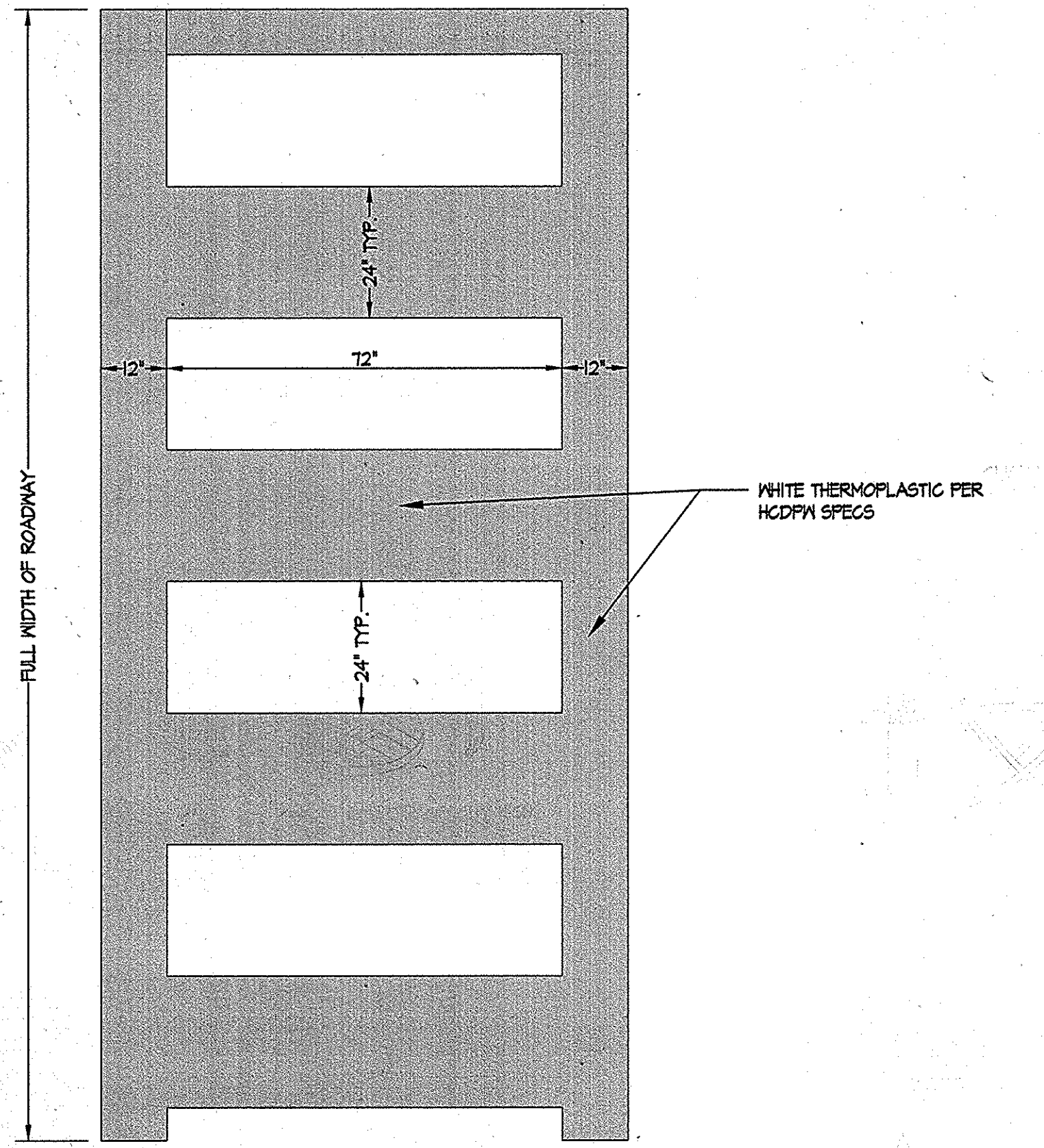
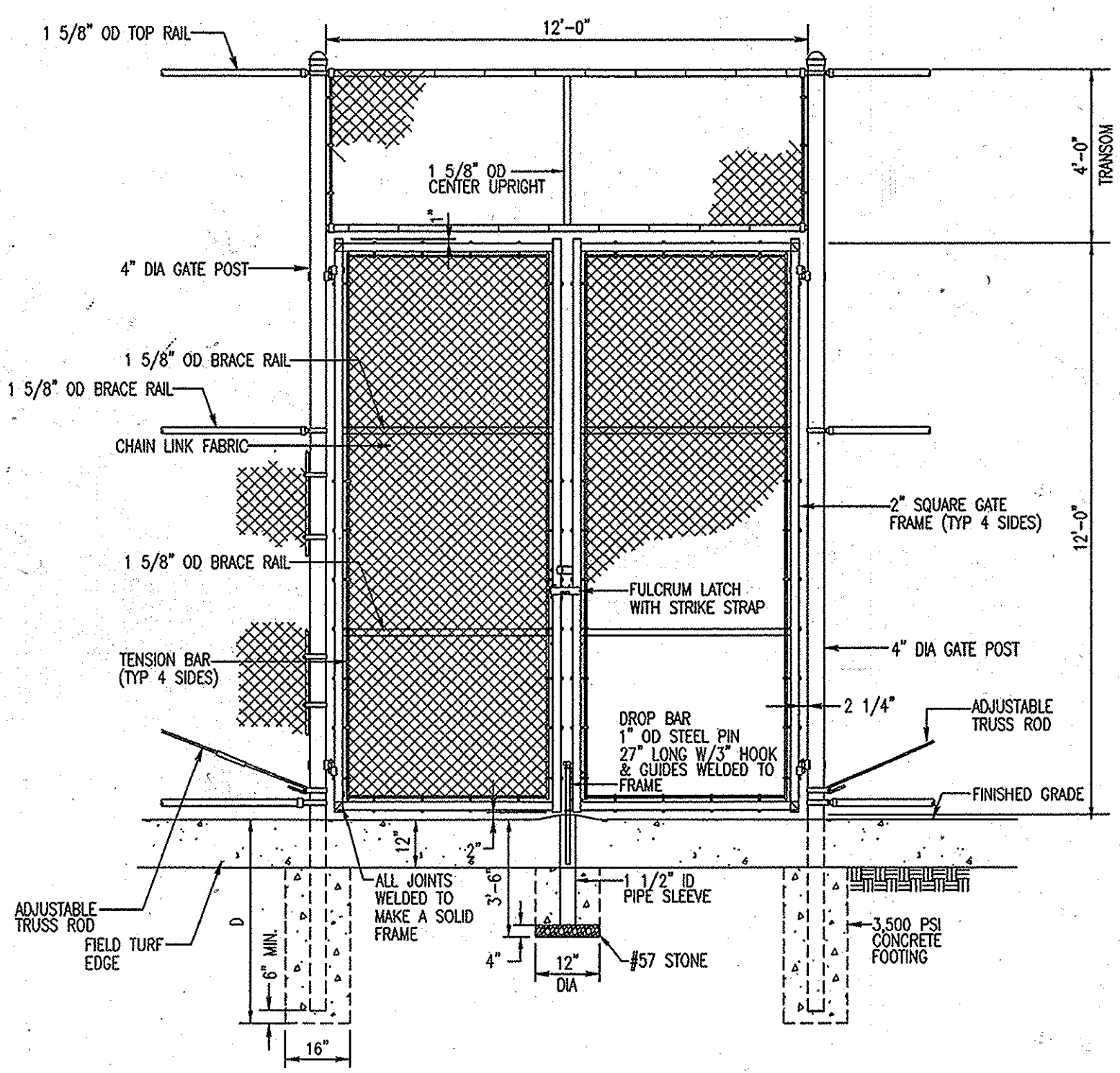
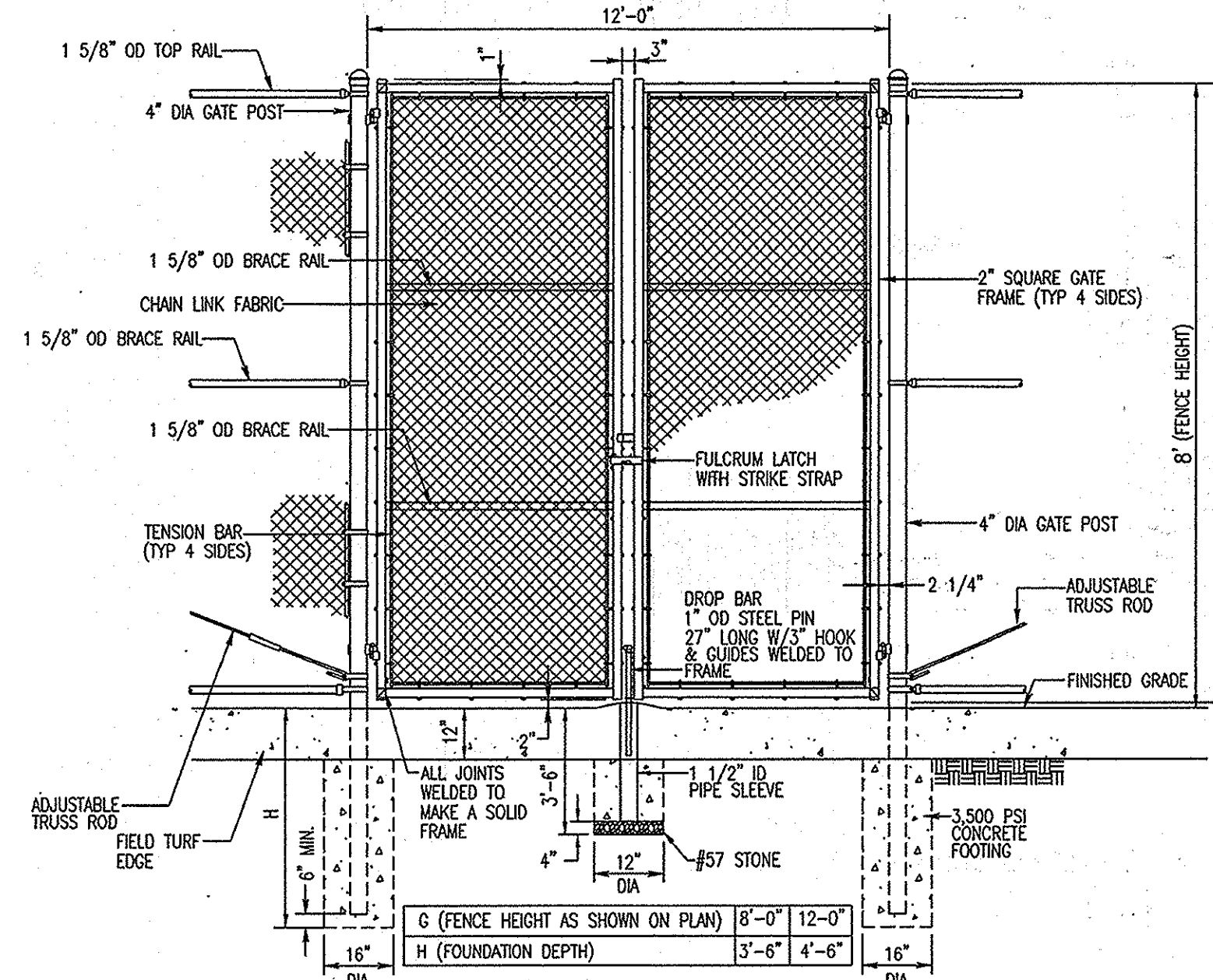
2 4' WIDE CHAIN LINK FENCE GATE
4' HEIGHT
NOT TO SCALE

3 4' WIDE CHAIN LINK FENCE GATE
16' HEIGHT
NOT TO SCALE

4 12' WIDE, 4' HIGH CHAIN LINK FENCE GATE
NOT TO SCALE

FENCING NOTES (APPLIES TO ALL CHAIN LINK FENCING):

- ALL CHAIN LINK FENCING, POSTS, RAILS, GATES AND APPURTENANCES SHALL BE BLACK PVC COATED UNLESS OTHERWISE NOTED.
- MIDDLE FENCE RAIL IS REQUIRED FOR FENCES HIGHER THAN 6', EVEN IF NOT SHOWN ON SHOP DRAWING SUBMITTAL.



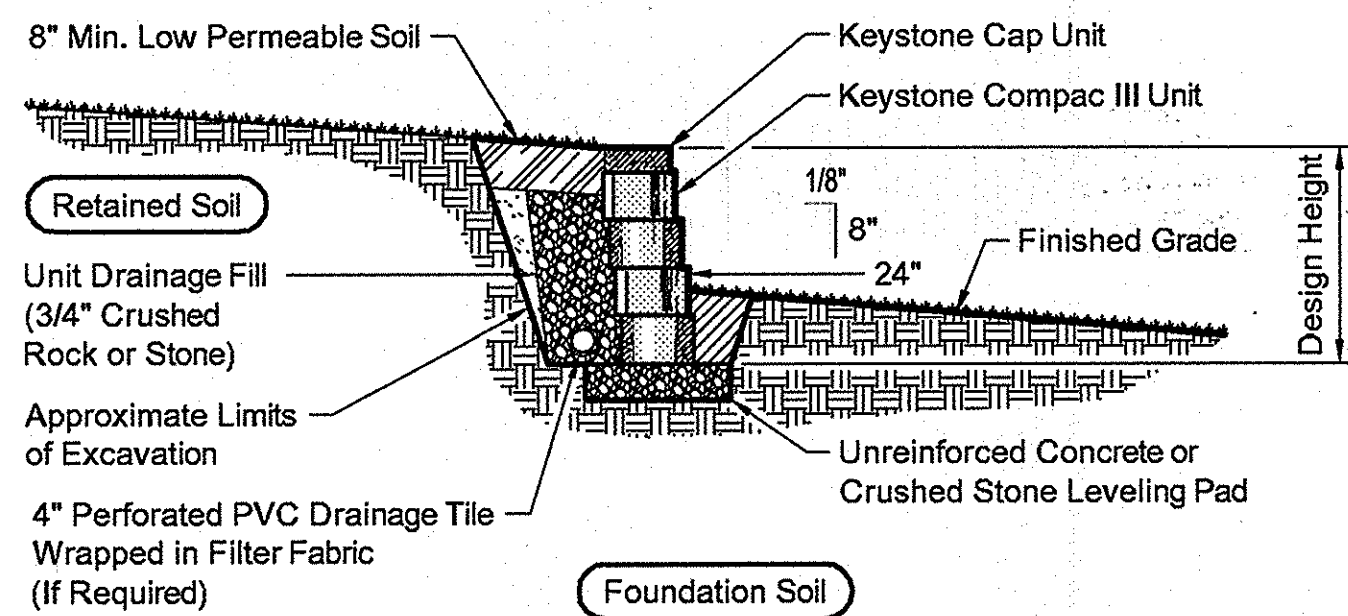
5 12' WIDE, 8' HIGH CHAIN LINK FENCE GATE
NOT TO SCALE

6 12' WIDE, 16' HIGH CHAIN LINK FENCE GATE
NOT TO SCALE

7 PAINTED CROSSWALK STRIPING DETAIL
NOT TO SCALE

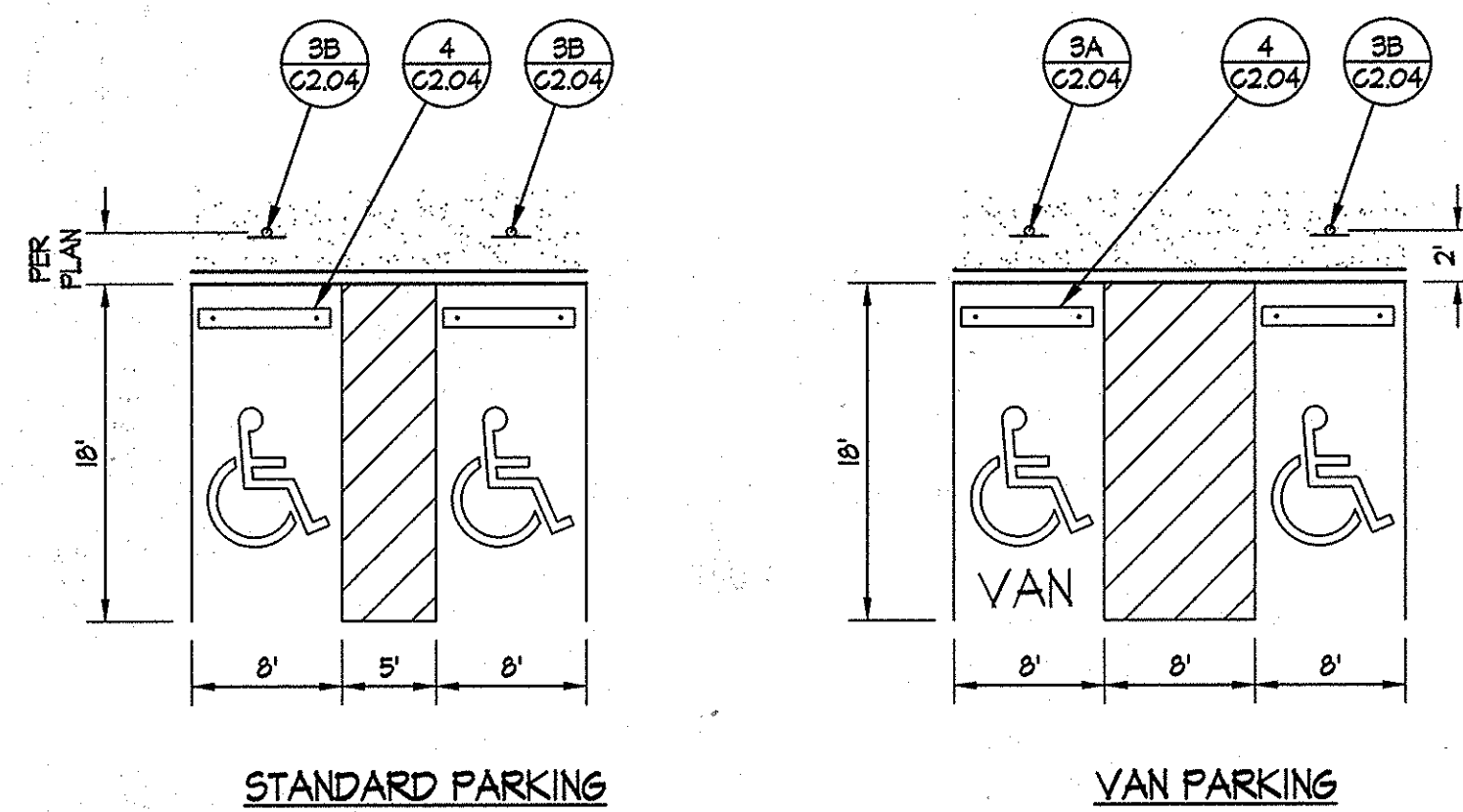
T:\Projects\Troy Park Phase II Site Development\Plan\CD\203 Site Details.dwg Layout Aug 18, 2014 12:28pm JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING DIRECTOR CHIEF, DEVELOPMENT ENGINEERING DIVISION CHIEF, DIVISION OF LAND DEVELOPMENT		ADDRESS / PERMIT INFORMATION PARCELS: 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000		DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14		SITE DETAILS 600' SCALE MAP NO. 51 BLOCK NO. 16		TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND		SCALE: AS SHOWN C2.03 SHEET 17 OF 61 SDP-14-033	
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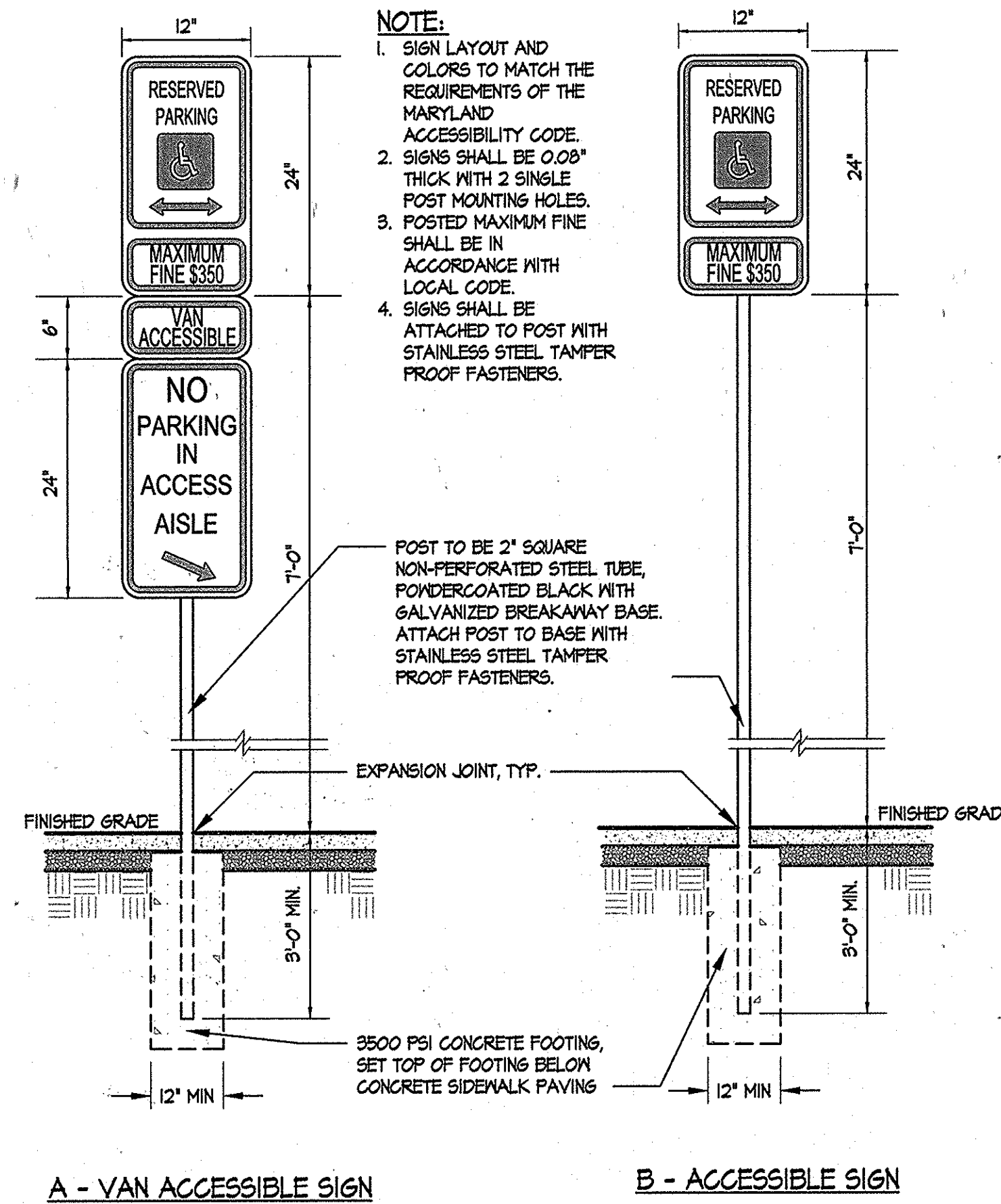
- NOTES:
- THIS DETAIL IS FOR WALLS A MAXIMUM OF 36" EXPOSED HEIGHT.
 - THIS DETAIL IS GENERAL IN NATURE & NOT MEANT TO DICTATE THE DESIGN OR EXACT DIMENSIONS OF THE SEGMENTAL BLOCK RETAINING WALL. SPECIFIC DESIGN & DETAILING OF THE WALL SHALL BE DETERMINED & IS THE RESPONSIBILITY OF THE WALL UNIT SUPPLIER IN CONJUNCTION WITH THE INSTALLING CONTRACTOR.
 - WALL COLOR TO BE "SMOKE" TO MATCH EXISTING WALLS ON THE SITE.

1 SEGMENTAL BLOCK WALL NOT TO SCALE



- NOTES:
- HANDICAP PARKING AND ACCESS SHALL COMPLY WITH THE CURRENT ADA REQUIREMENTS AT TIME OF CONSTRUCTION.
 - PARKING STALL AND ACCESS AISLE WIDTHS ARE SHOWN AS MINIMUMS.

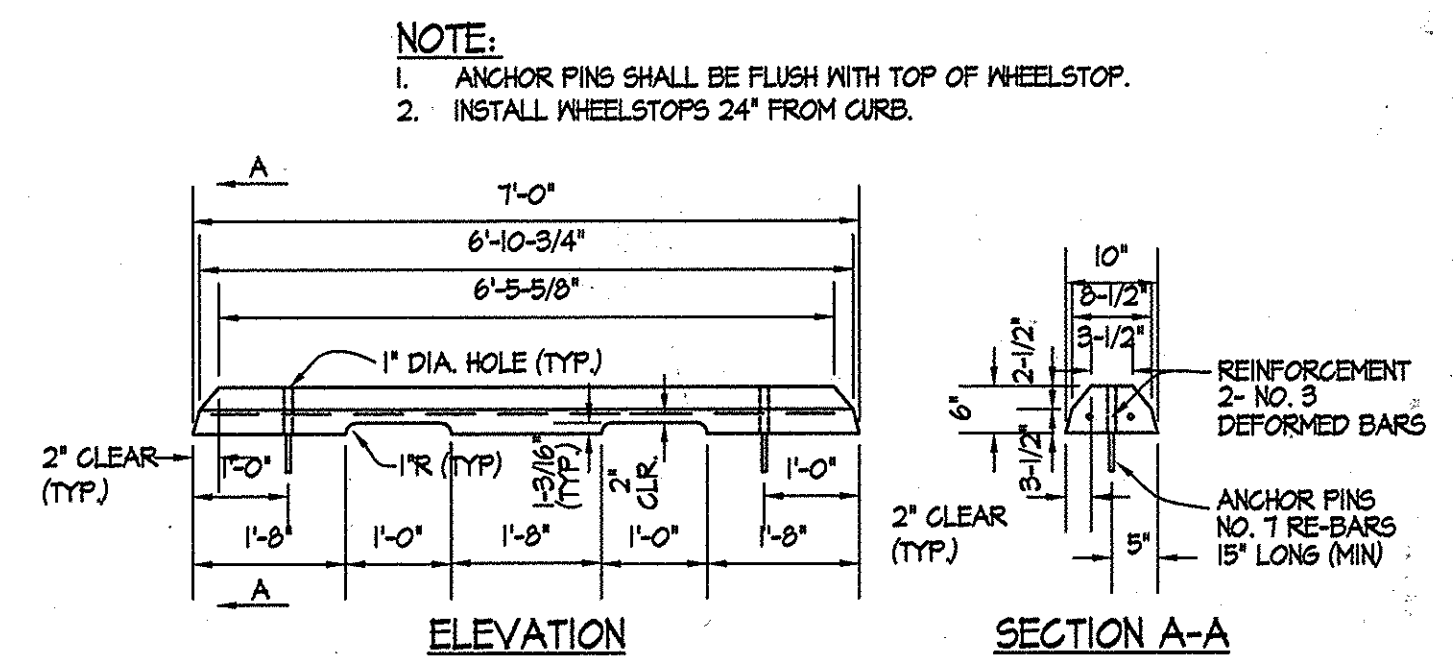
2 HANDICAP PARKING NOT TO SCALE



- NOTE:
- SIGN LAYOUT AND COLORS TO MATCH THE REQUIREMENTS OF THE MARYLAND ACCESSIBILITY CODE.
 - SIGNS SHALL BE 0.08" THICK WITH 2 SINGLE POST MOUNTING HOLES.
 - POSTED MAXIMUM FINE SHALL BE IN ACCORDANCE WITH LOCAL CODE.
 - SIGNS SHALL BE ATTACHED TO POST WITH STAINLESS STEEL TAMPER PROOF FASTENERS.

A - VAN ACCESSIBLE SIGN B - ACCESSIBLE SIGN

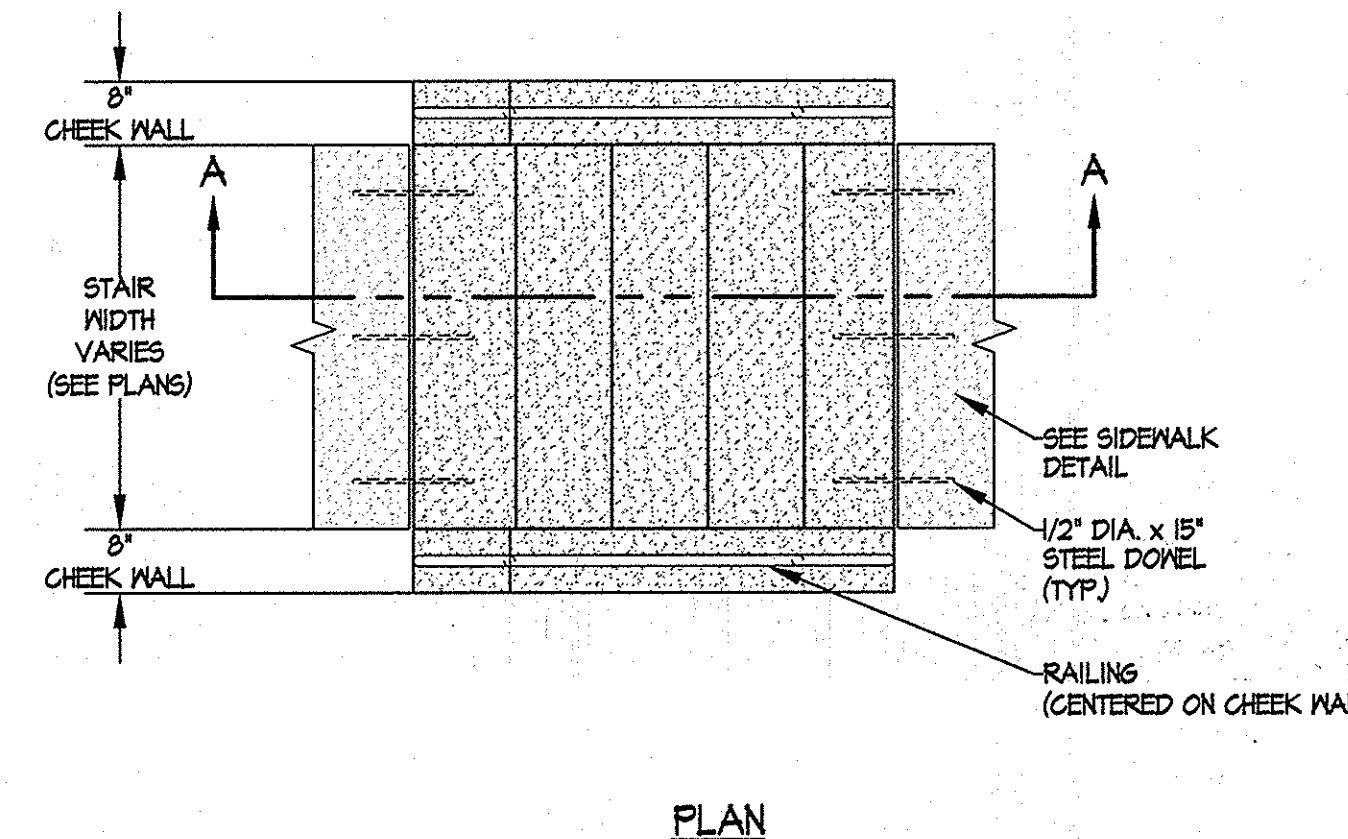
3 HANDICAP PARKING SIGNS NOT TO SCALE



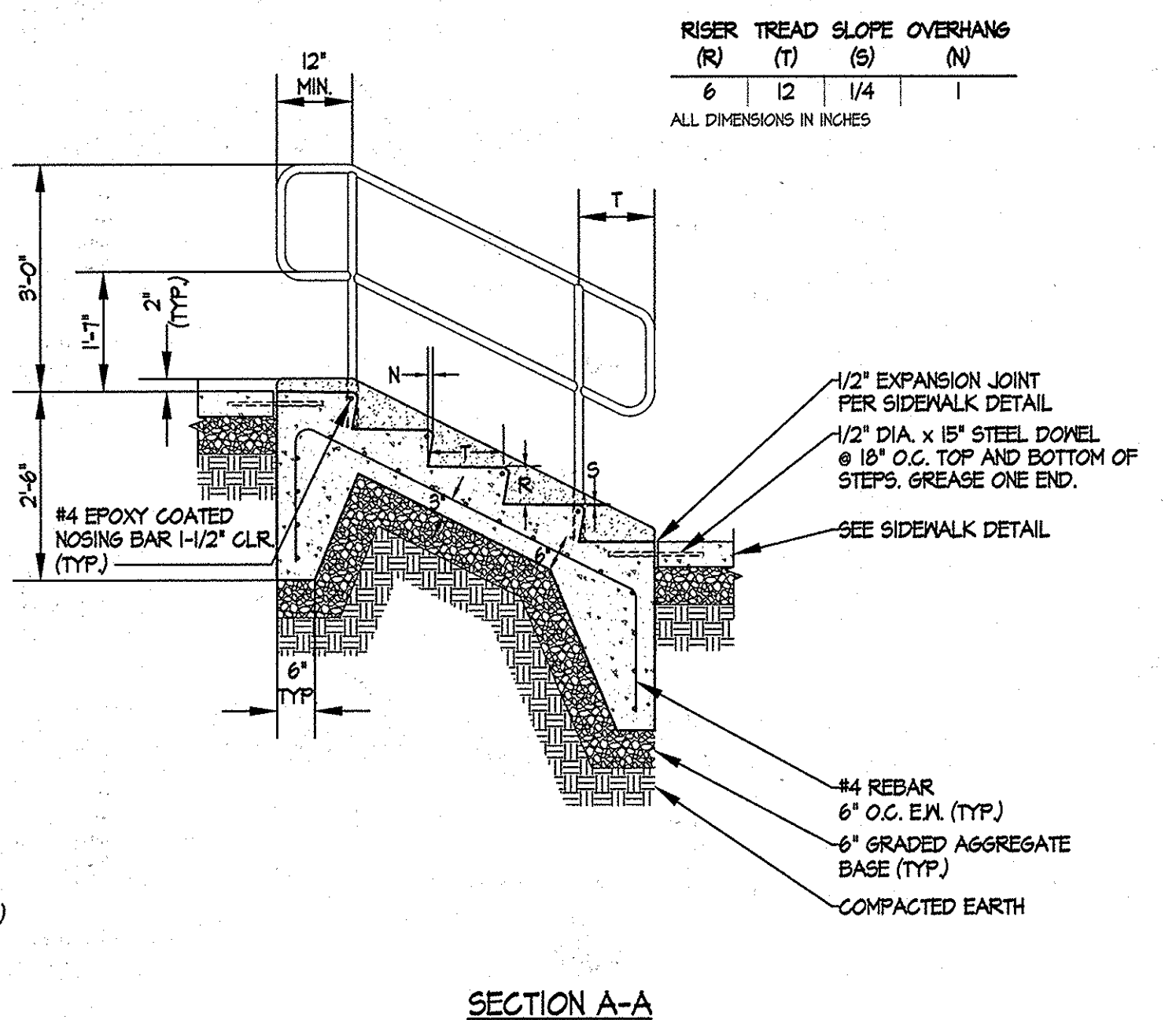
- NOTE:
- ANCHOR PINS SHALL BE FLUSH WITH TOP OF WHEELSTOP.
 - INSTALL WHEELSTOPS 24" FROM CURB.

4 CONCRETE WHEELSTOP NOT TO SCALE

- NOTES:
- RAILINGS & POST TO BE SHOP FABRICATED OF 1-1/2" O.D. STEEL TUBING WITH ALL JOINTS CONTINUOUSLY WELDED AND GROUND SMOOTH. ASSEMBLY SHALL BE ELECTROCHEMICALLY GALVANIZED AFTER FABRICATION.
 - TOP OF RAILINGS TO BE 36" ABOVE WALKING SURFACE AND STAIR NOSE.
 - RAILING TO EXTEND A MINIMUM OF 12" BEYOND BOTTOM AND TOP RISER.
 - ALL CONCRETE TO BE SHA MIX NO. 3.
 - ALL CHEEK WALL AND STAIR NOSE RADIUS SHALL BE 1/2".
 - CHEEK WALL SHALL BE 2" ABOVE STAIR NOSE AND WALKING SURFACE.
 - ALL RAILING EXTERIOR RADIUS SHALL BE 4".
 - RAILING POSTS SHALL BE INSTALLED AT A DEPTH OF 8" INTO CHEEK WALL. CHEEK WALL SHALL BE CORE DRILLED AND POST SET WITH NON-SHRINK GROUT.
 - STAIR TREADS TO RECEIVE LIGHT BRUSHED NON-SLIP FINISH. (SEE SPECS)
 - UNLESS OTHERWISE SHOWN ON PLAN, ALL REBAR SHALL HAVE A CLEARANCE OF 3" FROM SURFACE.



PLAN

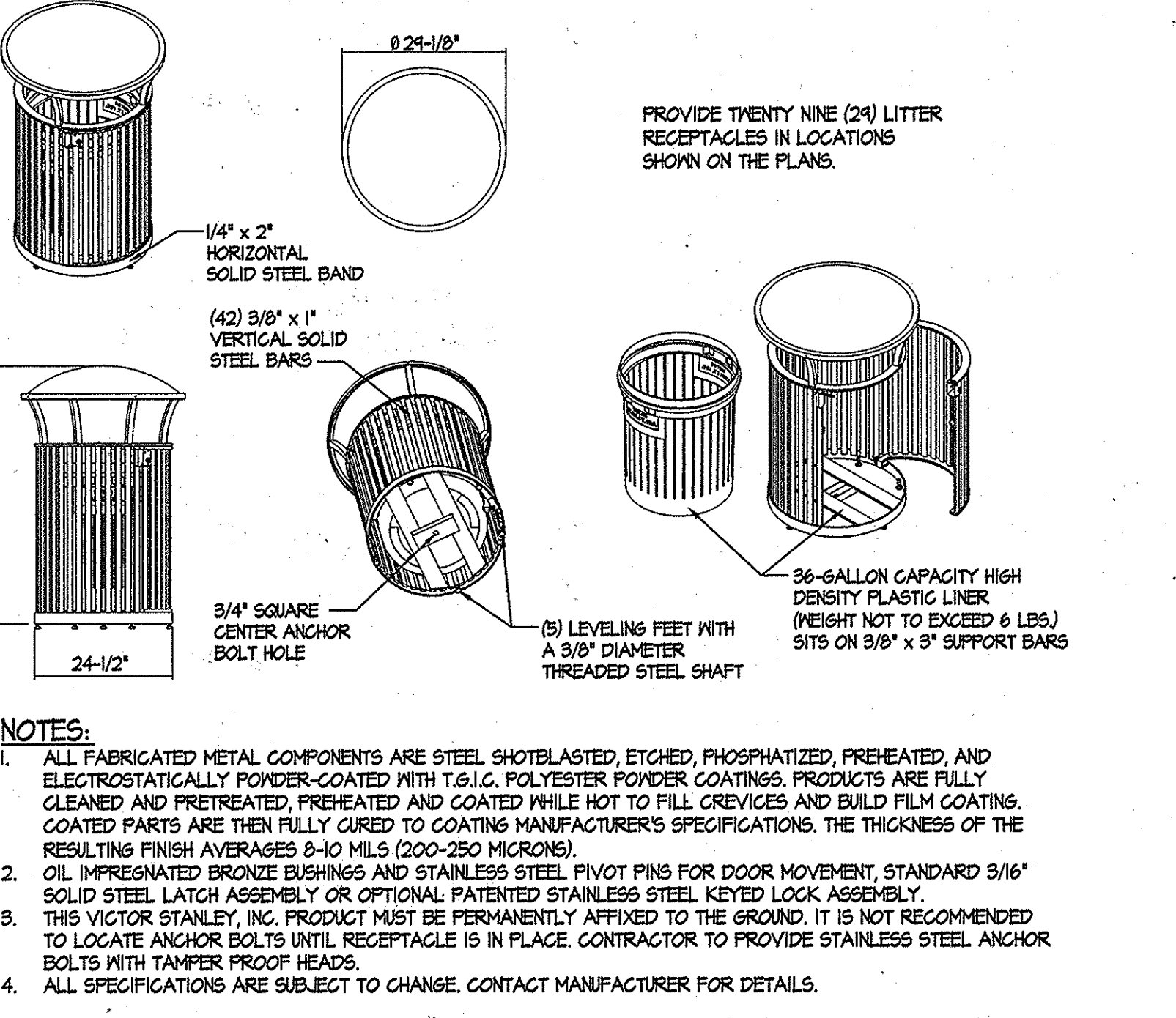


RISER TREAD SLOPE OVERHANG			
(R)	(T)	(S)	(N)
6	12	1/4	1

ALL DIMENSIONS IN INCHES

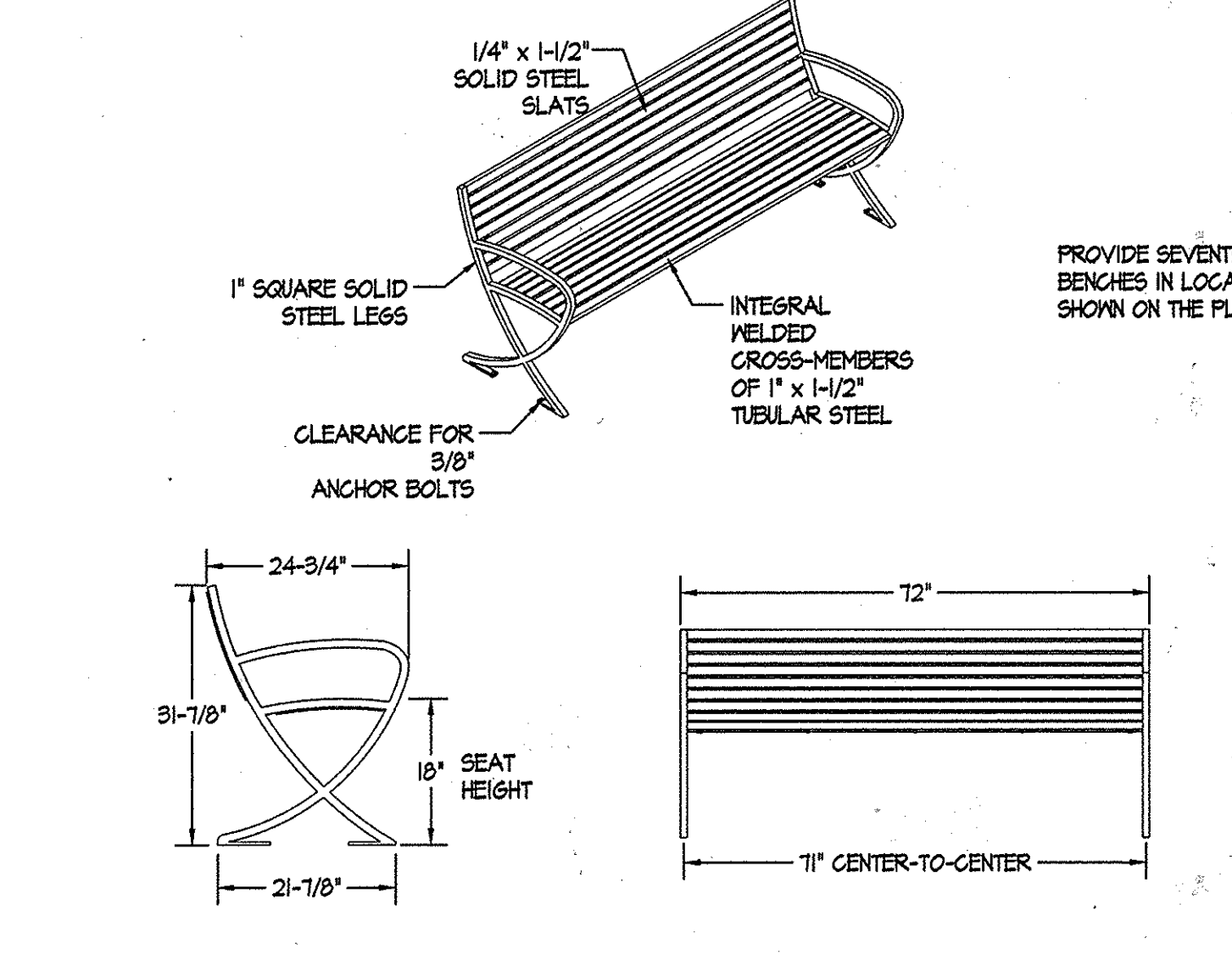
SECTION A-A

5 CONCRETE STAIRS & RAILING SCALE: 1/2" = 1'-0"



- NOTES:
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.S.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD FILM COATING. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 - OIL IMPREGNATED BRONZE BUSHINGS AND STAINLESS STEEL PIVOT PINS FOR DOOR MOVEMENT, STANDARD 3/16" SOLID STEEL LATCH ASSEMBLY OR OPTIONAL PATENTED STAINLESS STEEL KEYED LOCK ASSEMBLY.
 - THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL RECEPTACLE IS IN PLACE. CONTRACTOR TO PROVIDE STAINLESS STEEL ANCHOR BOLTS WITH TAMPER PROOF HEADS.
 - ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.

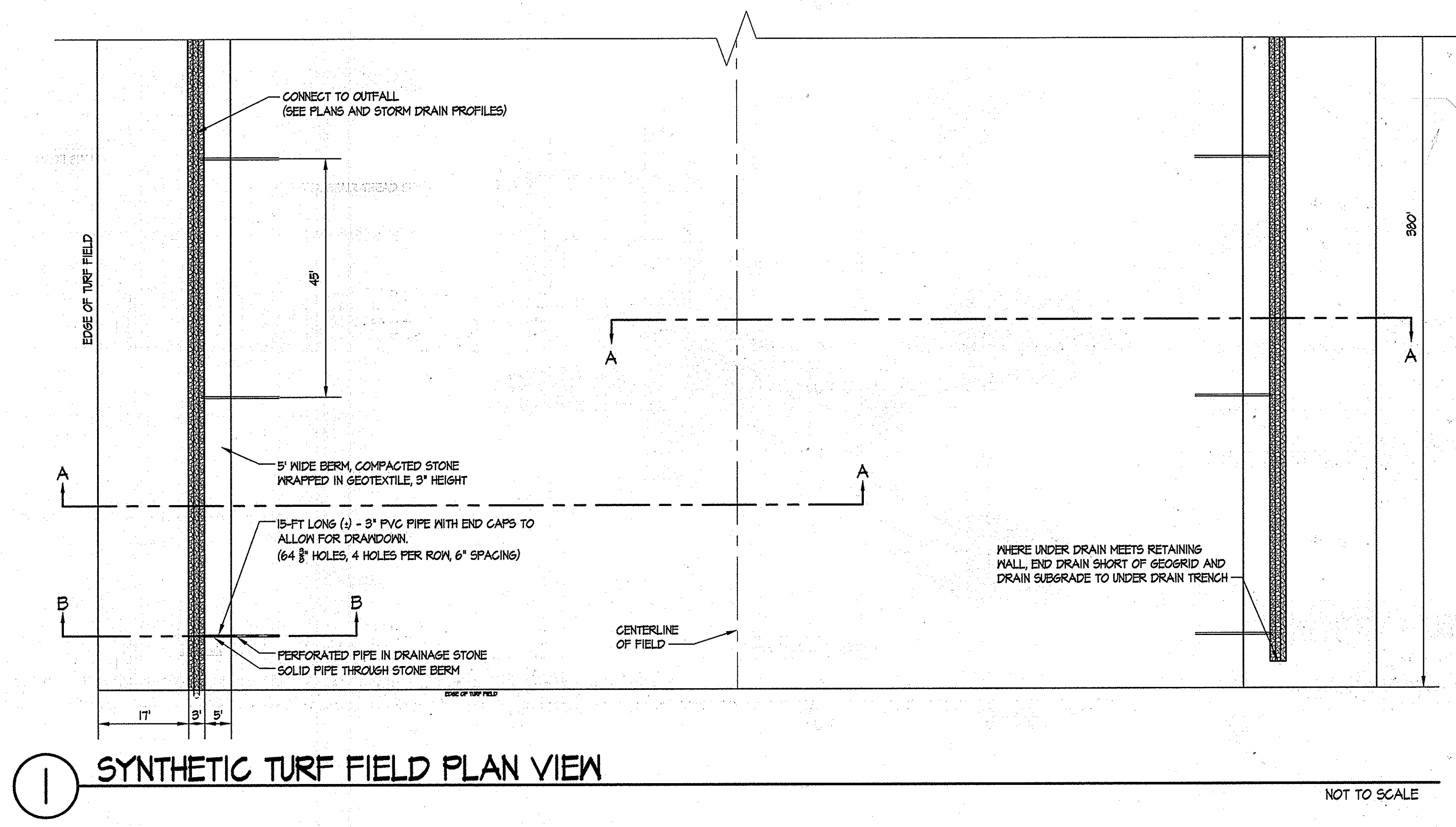
6 TRASH RECEPTACLE VICTOR STANLEY MODEL #A-36 (36 GAL.) OR APPROVED EQUAL NOT TO SCALE



- NOTES:
- ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.S.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10 MILS (200-250 MICRONS).
 - IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONTRACTOR TO PROVIDE STAINLESS STEEL ANCHOR BOLTS WITH TAMPER PROOF HEADS AND ATTACH BENCH TO THE PAVEMENT ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
 - ALL SPECIFICATIONS ARE SUBJECT TO CHANGE. CONTACT MANUFACTURER FOR DETAILS.

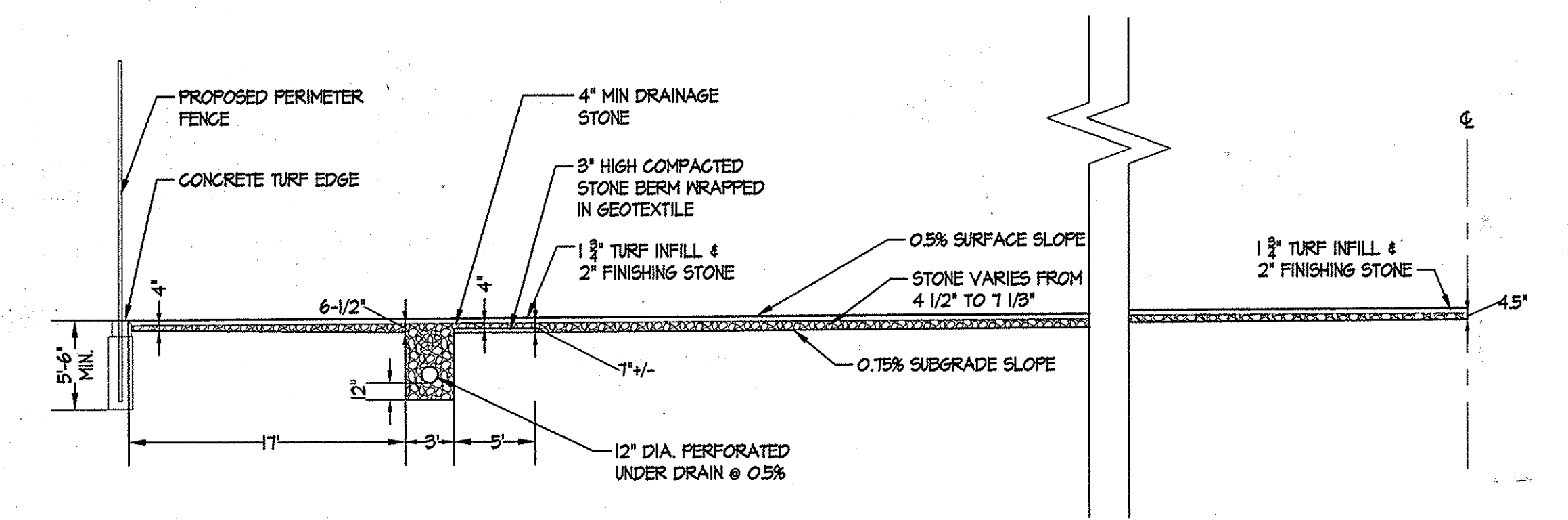
7 STEEL BENCH VICTOR STANLEY MODEL #LIL-20CA-F OR APPROVED EQUAL NOT TO SCALE

APPROVED: DEPARTMENT OF PLANNING & ZONING DIRECTOR: [Signature] CHIEF, DEVELOPMENT ENGINEERING DIVISION CHIEF, DIVISION OF LAND DEVELOPMENT	ADDRESS / PERMIT INFORMATION PARCEL: 101 545 542 536 102 105 105 LOT A-21, 105 LOT A-22 ADDRESS: 6-00 MANSION LANE LOTS 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS		DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14	BY: NO. REVISION DATE 600' SCALE MAP NO. 51 BLOCK NO. 16	SITE DETAILS TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND	SCALE: AS SHOWN C2.04 SHEET 18 OF 67 SDP-14-033
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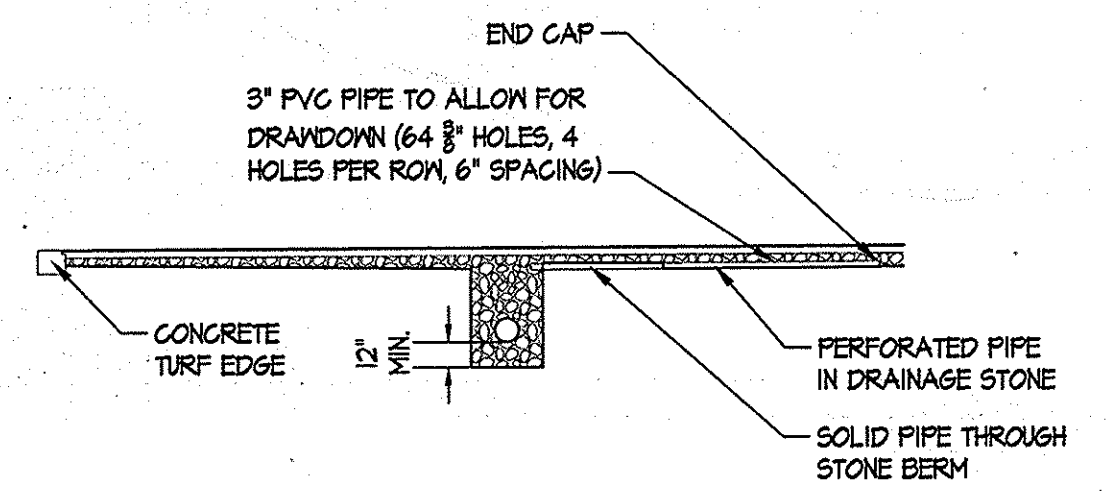
1 SYNTHETIC TURF FIELD PLAN VIEW

NOT TO SCALE



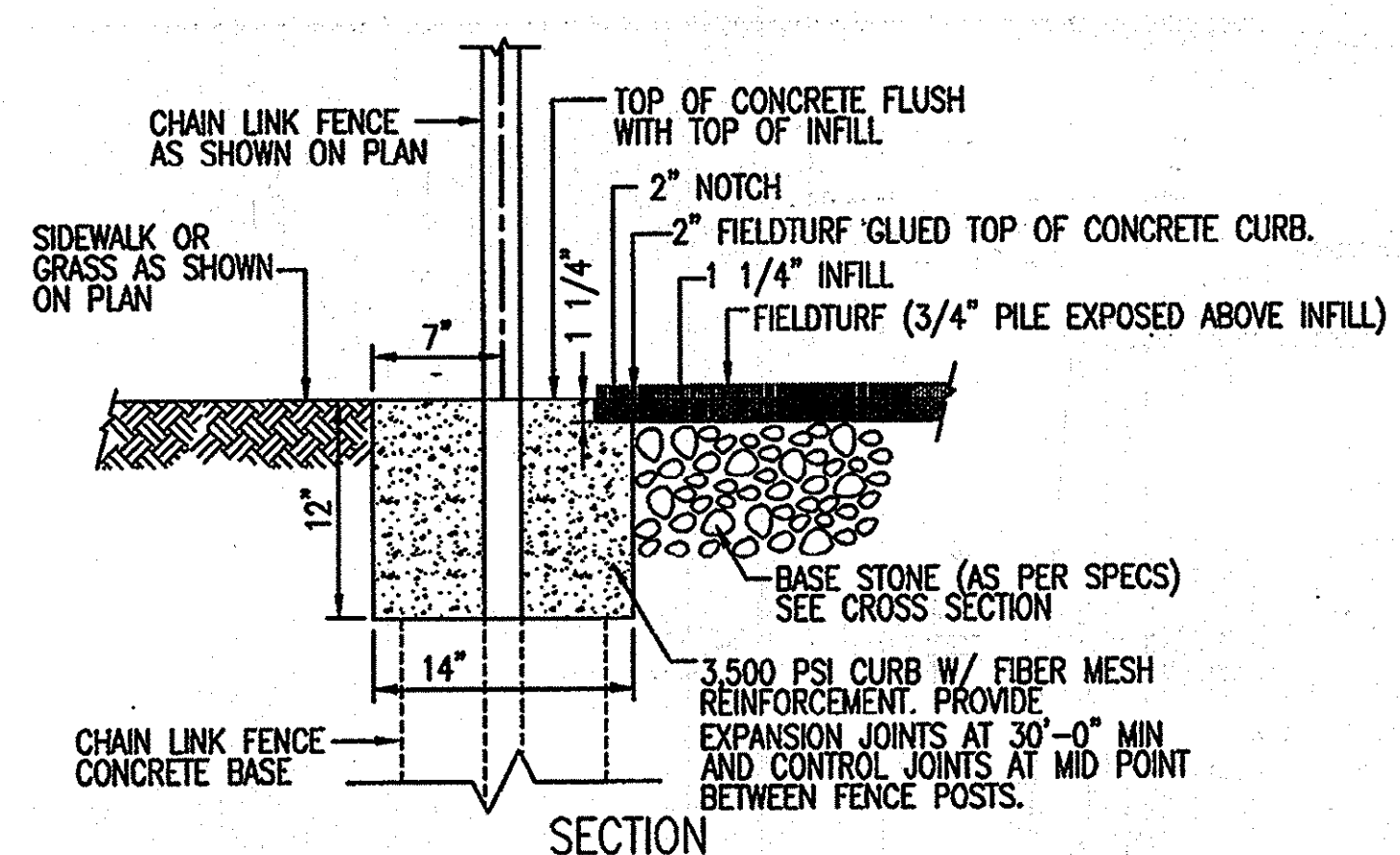
2 SECTION A-A

NOT TO SCALE



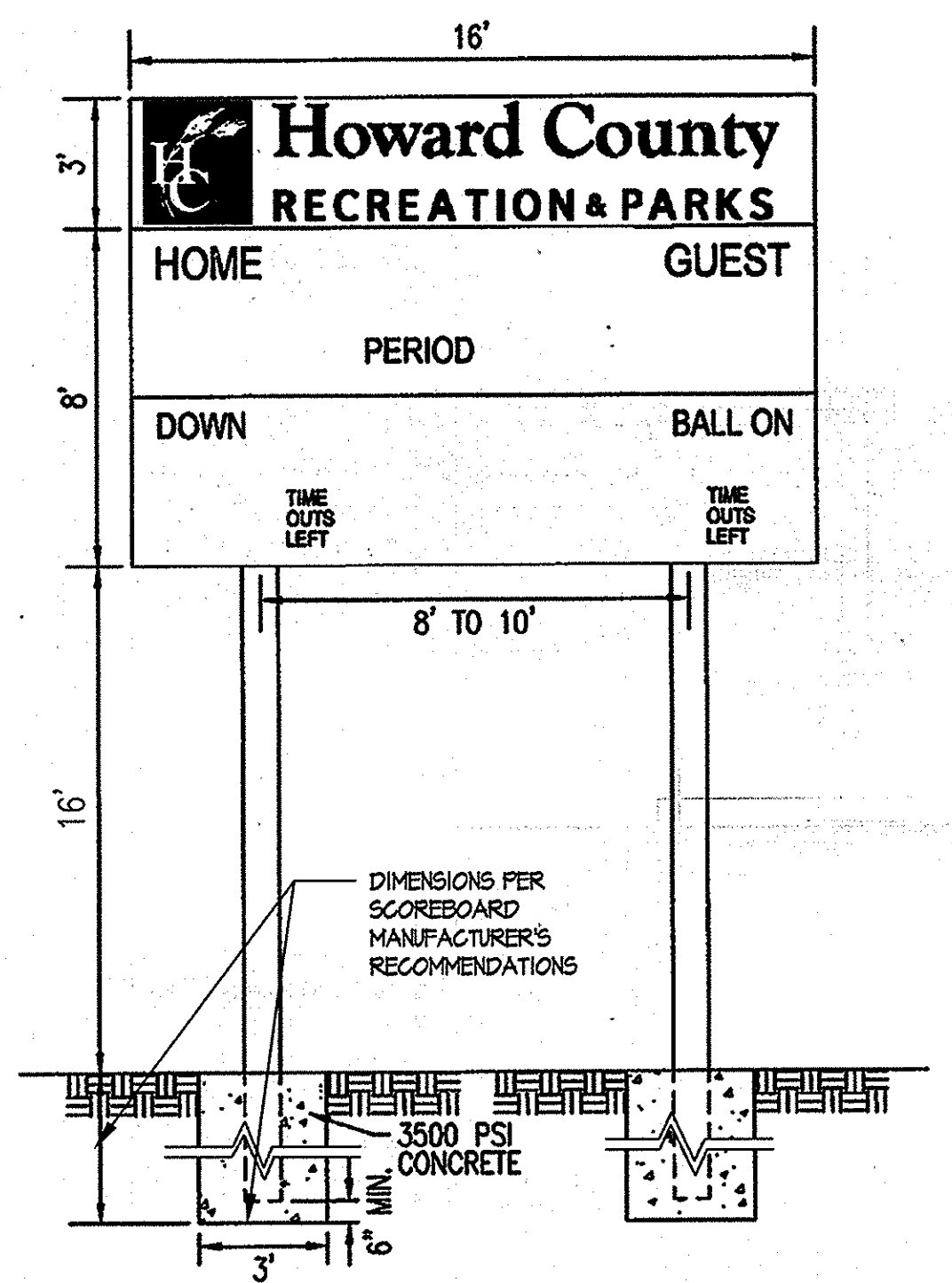
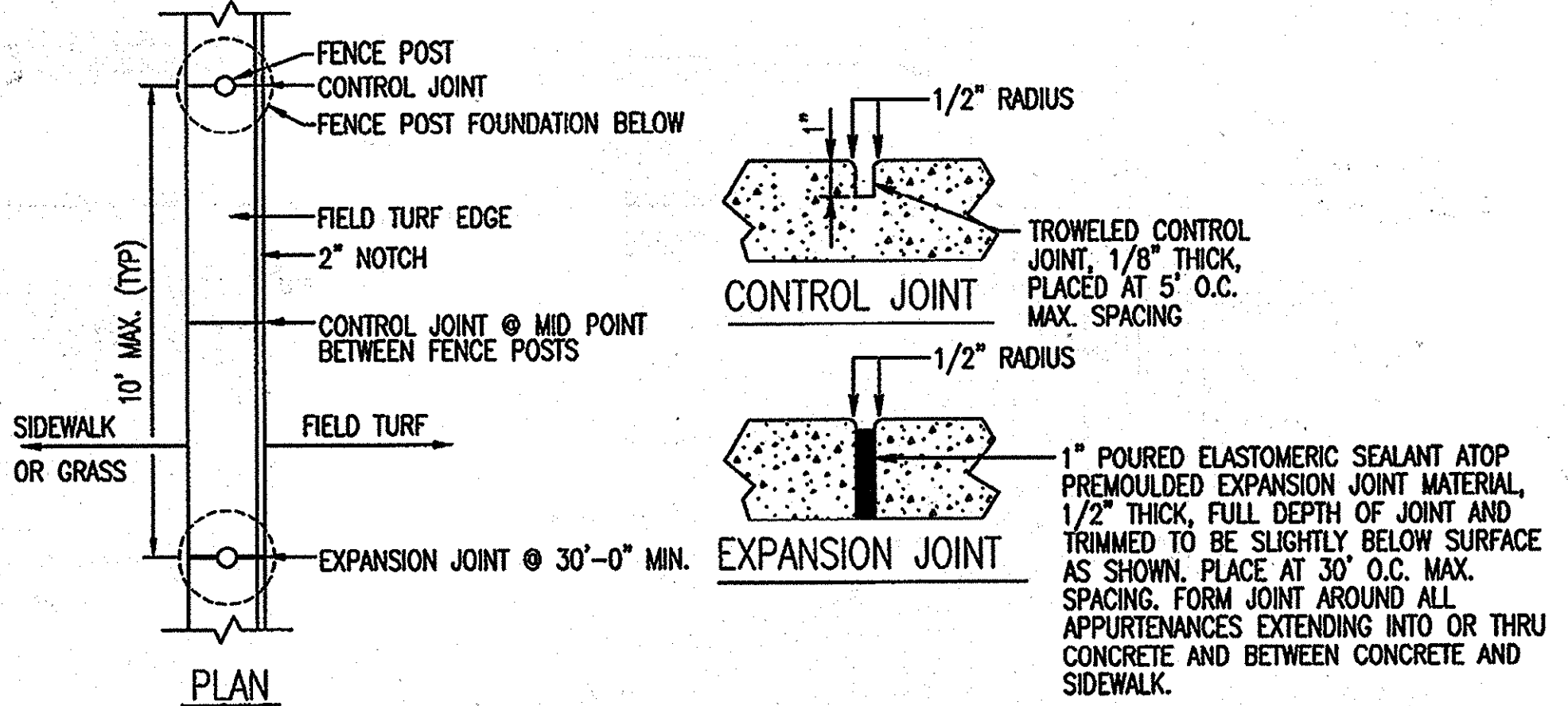
3 SECTION B-B

NOT TO SCALE



4 FIELD TURF CONCRETE EDGE

NOT TO SCALE



5 SCOREBOARD

NOT TO SCALE

1:10/05/2014 Troy Park Phase II Site Development Plan (02/12/2014) Site Details.dwg - JLT Aug 13, 2014 05:02pm LT

APPROVED: DEPARTMENT OF PLANNING & ZONING		ADDRESS / PERMIT INFORMATION	
<i>Paul A. Gough</i>	2/16/14	PARCEL 501, 502, 503, 504, 505, 506 LOT A-21, 135 LOT A-22	
DIRECTOR	DATE	ADDRESS: 6450 HANSON LANE	
<i>Chad Edwards</i>	9-3-14	LOT 1 F.A. 1, L. 1055 / F. 521, L. 12205 / F. 940, L. 5188 / F. 600,	
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE	L. 5341 / F. 18, L. 485 / F. 451, L. 615 / F. 620, L. 6155 / F. 640	
	DATE	GRID 11 & 12, ZONE M-1, TAX MAP NO. 31	
<i>Robert Shalvick</i>	9-18-14	IN ELECTION DISTRICT, CENSUS TRACT 602.02	
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE	WATER CODE: 400, SEWER CODE: 252200	
		OWNER:	
		HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS	
		1200 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046	
		PHONE: (410) 515-2100	
		DEVELOPER:	
		HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS	
		1200 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046	
		PHONE: (410) 515-2100	

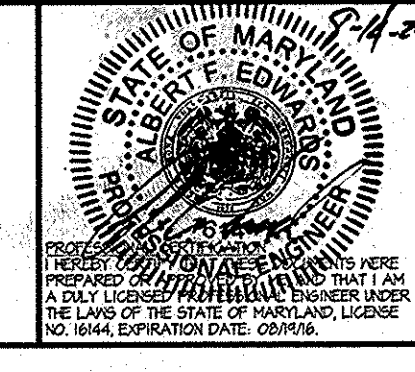
SITE RESOURCES

 INCORPORATED

 Comprehensive Land Planning & Site Design Services

 14115 Armetonville Pike • Plover, Maryland 21131

 (410) 883-3388 • Fax (410) 883-3389



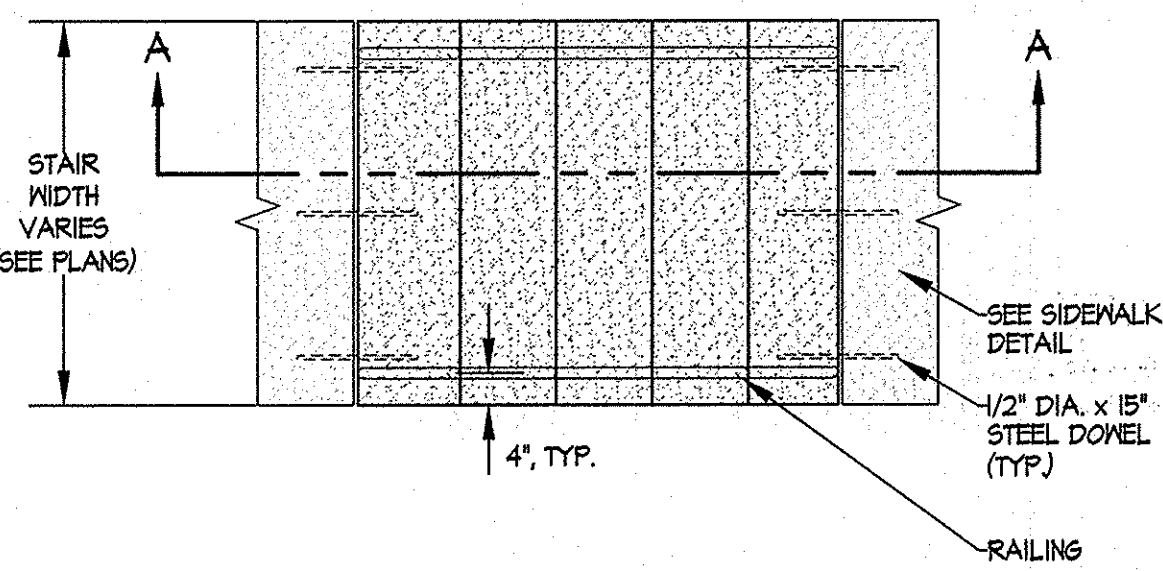
DES: JLT					
DRN: JLT/AM					
CHK: AFE					
DATE: 08/14/14	BY:	NO.	REVISION	DATE	

SITE DETAILS	
600' SCALE MAP NO. 51	BLOCK NO. 16

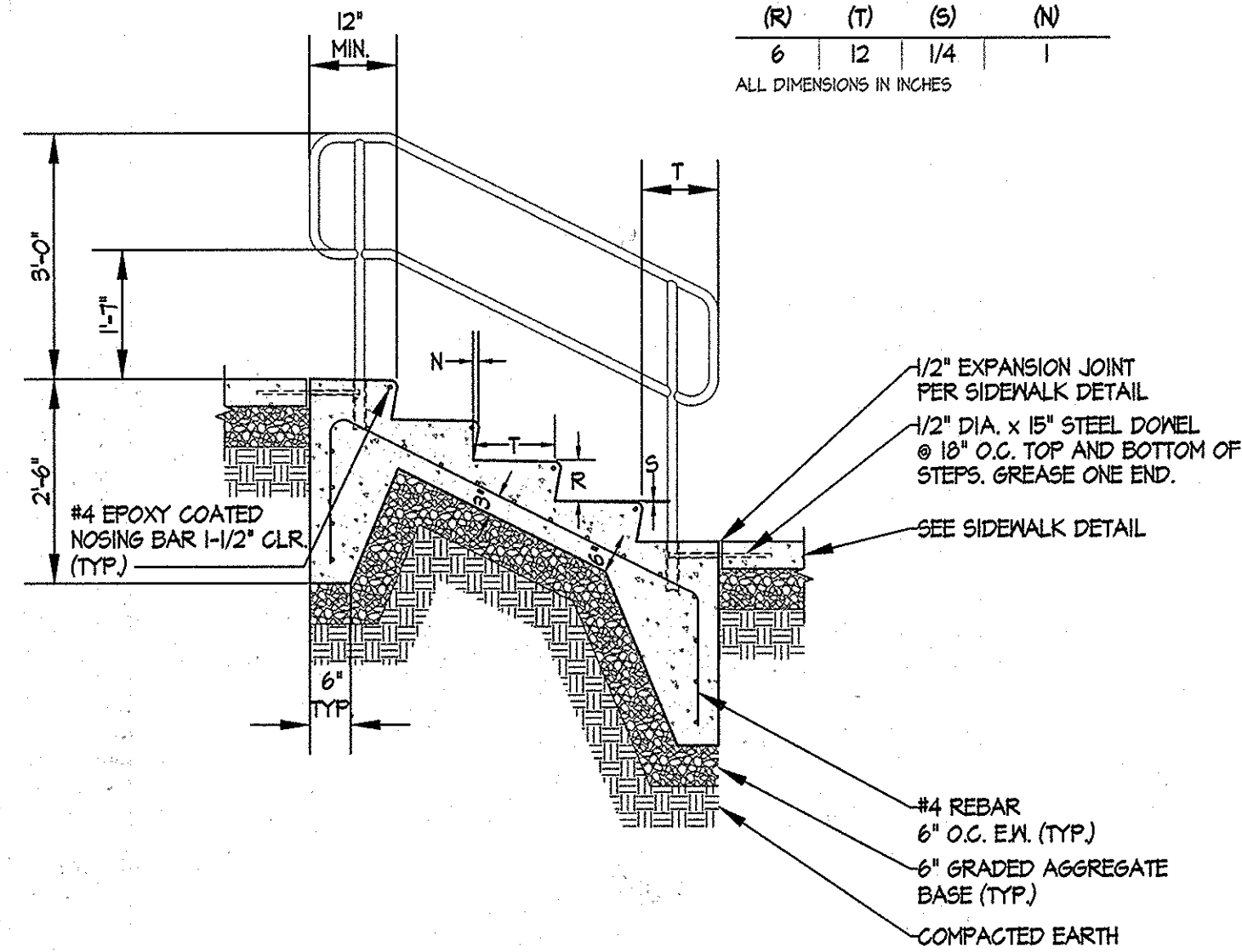
SCALE: AS SHOWN	
TROY PARK - PHASE TWO	
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22	
CAPITAL PROJECT NO. N-3457	HOWARD COUNTY, MARYLAND
SHEET 19 OF 67	SDP-14-033

NOTES:

1. RAILINGS & POST TO BE SHOP FABRICATED OF 1-1/2" O.D. STEEL TUBING WITH ALL JOINTS CONTINUOUSLY WELDED AND GROUND SMOOTH. ASSEMBLY SHALL BE ELECTROCHEMICALLY GALVANIZED AFTER FABRICATION.
2. TOP OF RAILINGS TO BE 36" ABOVE WALKING SURFACE AND STAIR NOSE.
3. RAILINGS TO EXTEND A MINIMUM OF 12" BEYOND BOTTOM AND TOP RISER.
4. ALL CONCRETE TO BE SHA MIX NO. 3.
5. ALL STAIR NOSE RADII SHALL BE 1/2".
6. ALL RAILING EXTERIOR RADII SHALL BE 4".
7. RAILING POSTS SHALL BE INSTALLED AT A DEPTH OF 8" STAIR TREAD. STAIR TREAD SHALL BE CORE DRILLED AND POST SET WITH NON-SHRINK GROUT.
8. STAIR TREADS TO RECEIVE LIGHT BRUSHED NON-SLIP FINISH. (SEE SPECS)
9. UNLESS OTHERWISE SHOWN ON PLAN, ALL REBAR SHALL HAVE A CLEARANCE OF 3" FROM SURFACE.



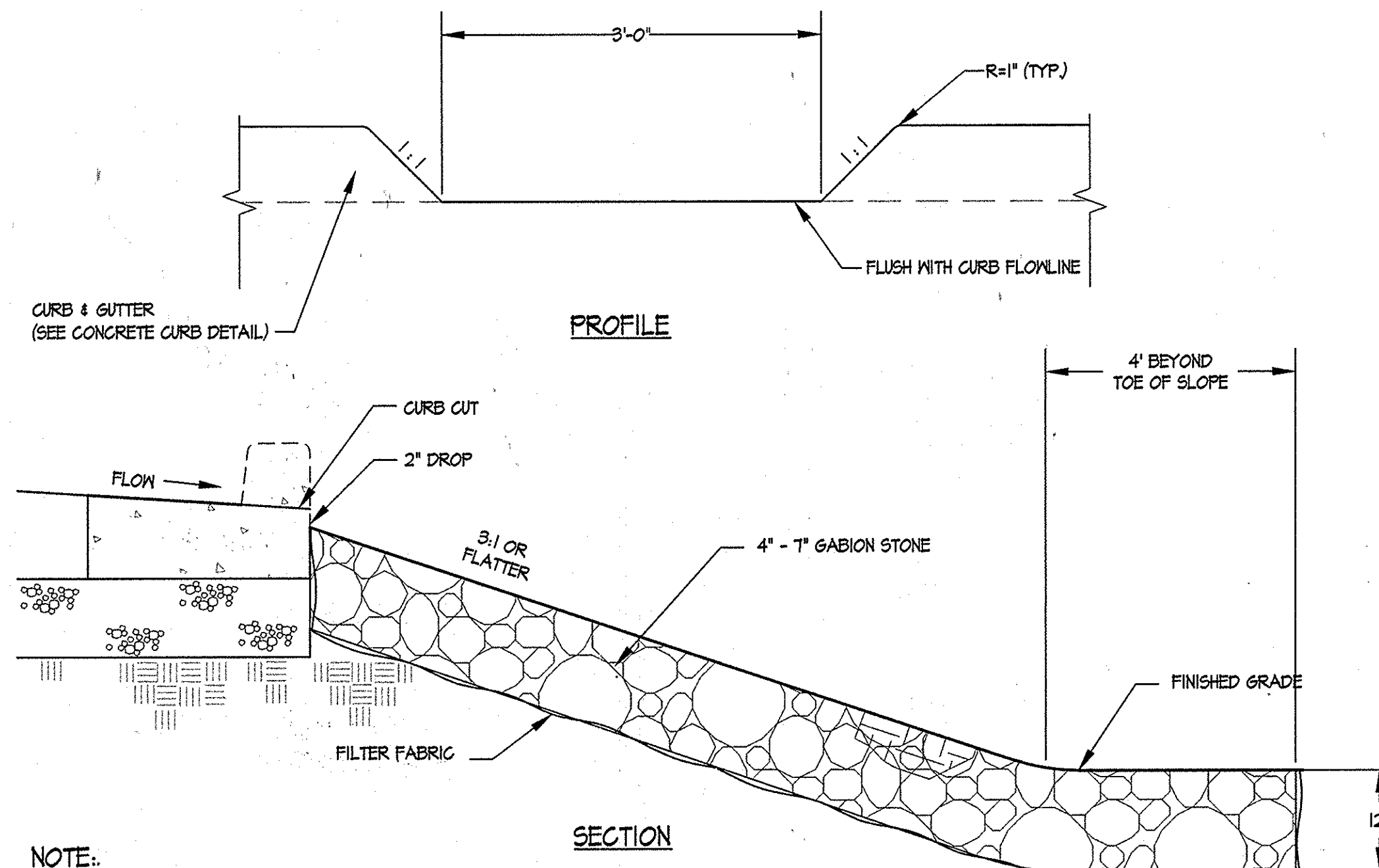
PLAN



SECTION A-A

RISER TREAD SLOPE OVERHANG			
(R)	(T)	(S)	(N)
6	12	1/4	1

ALL DIMENSIONS IN INCHES

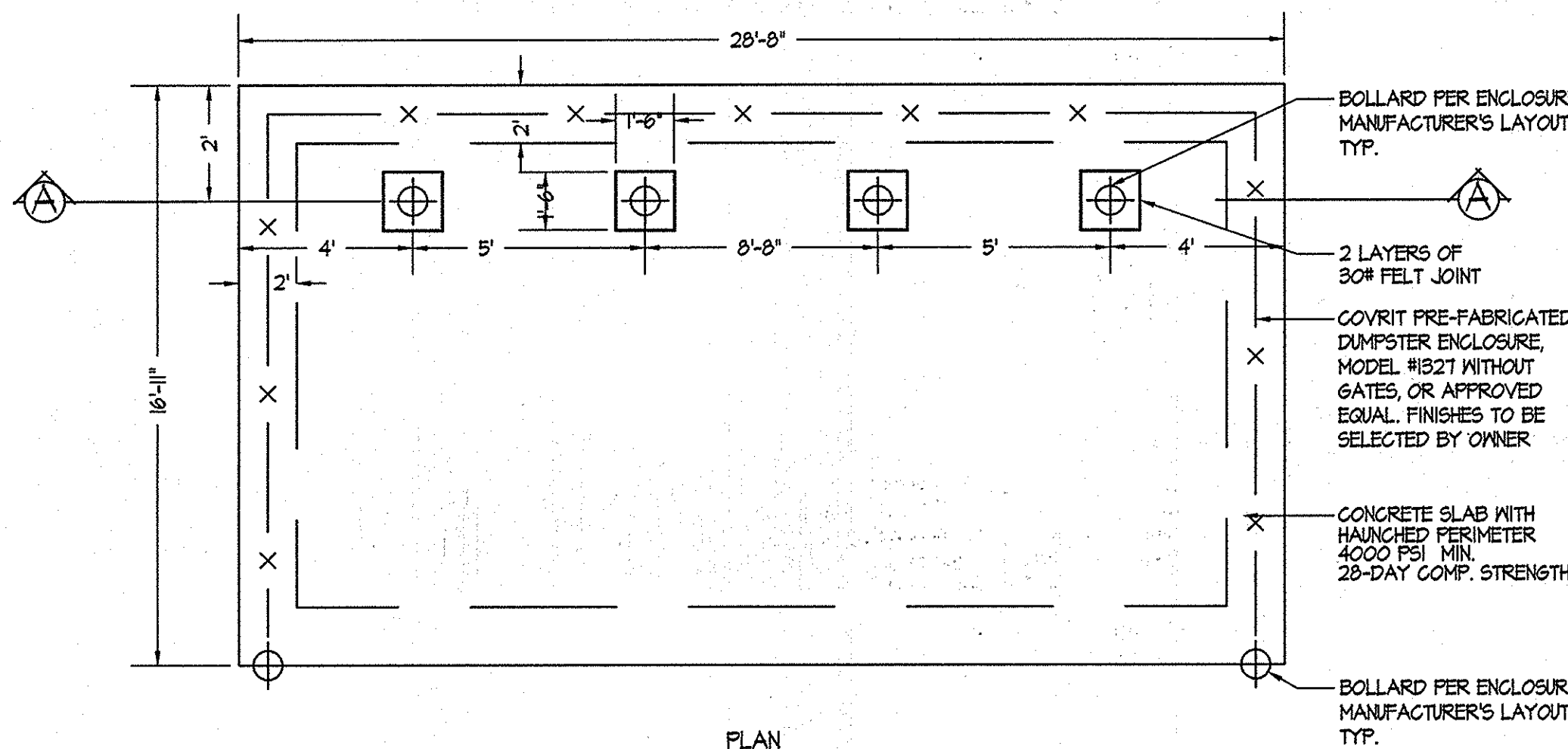


- NOTE:**
1. GABBION STONE STABILIZATION, DIMENSIONS 4' WIDE X 12" DEEP, TO BE INSTALLED AT EACH CURB CUT. STONE TO BE DARK GRAY OR BROWN IN COLOR.
 2. MAINTAIN GUTTER SLOPE THROUGH CURB CUT OPENING.

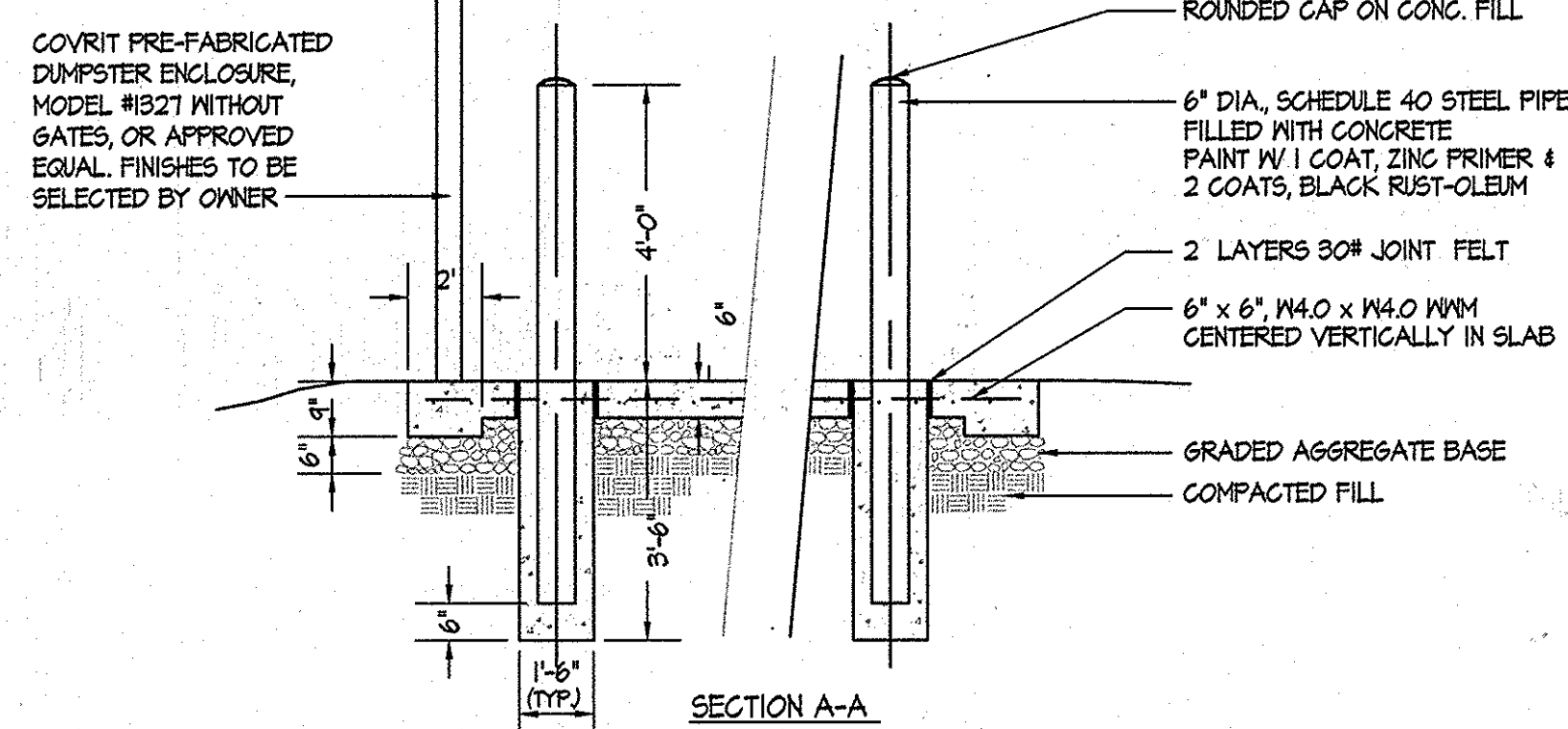
2 CURB CUT STONE INLET DETAIL

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

NOT TO SCALE

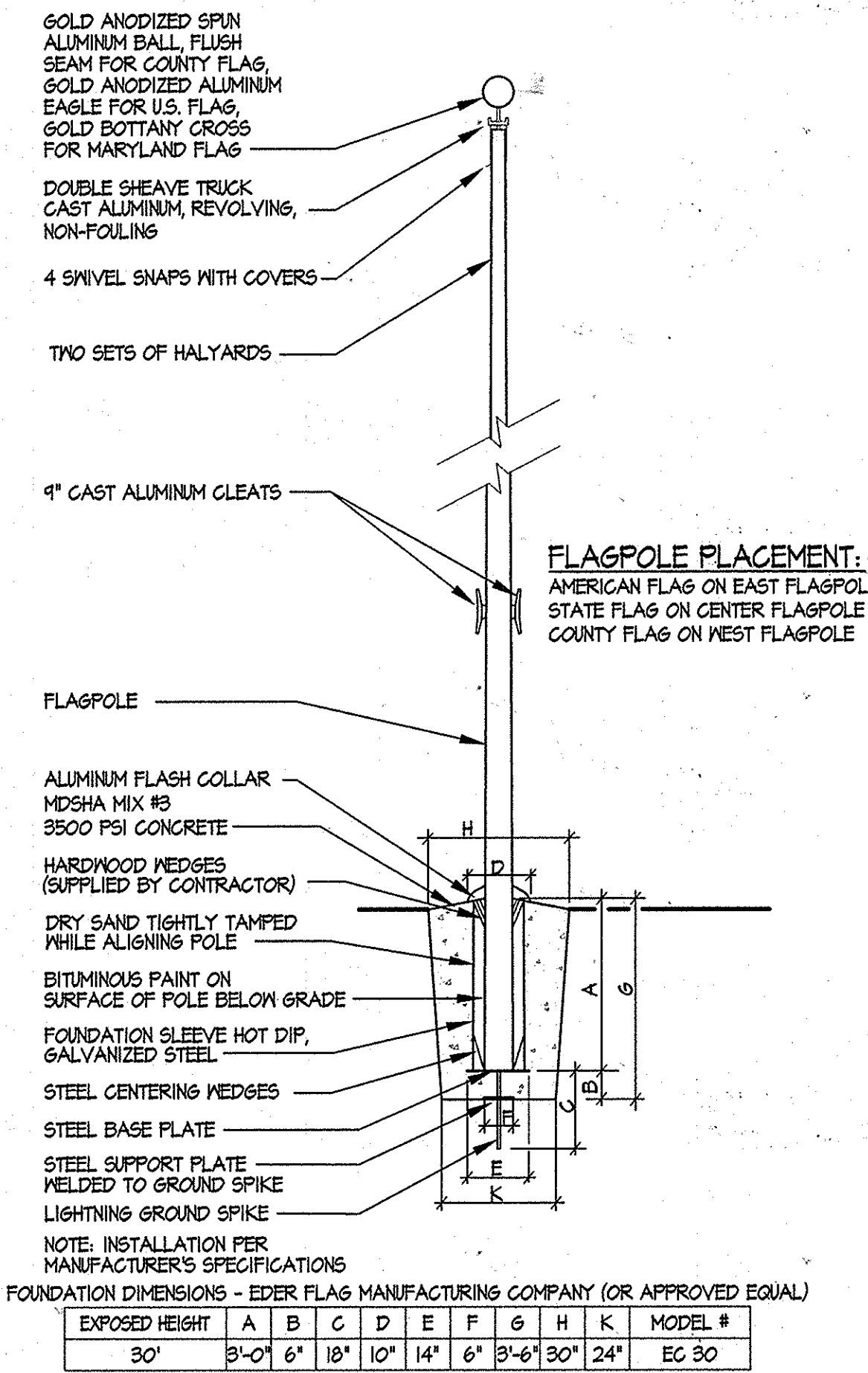


PLAN



SECTION A-A

NOT TO SCALE



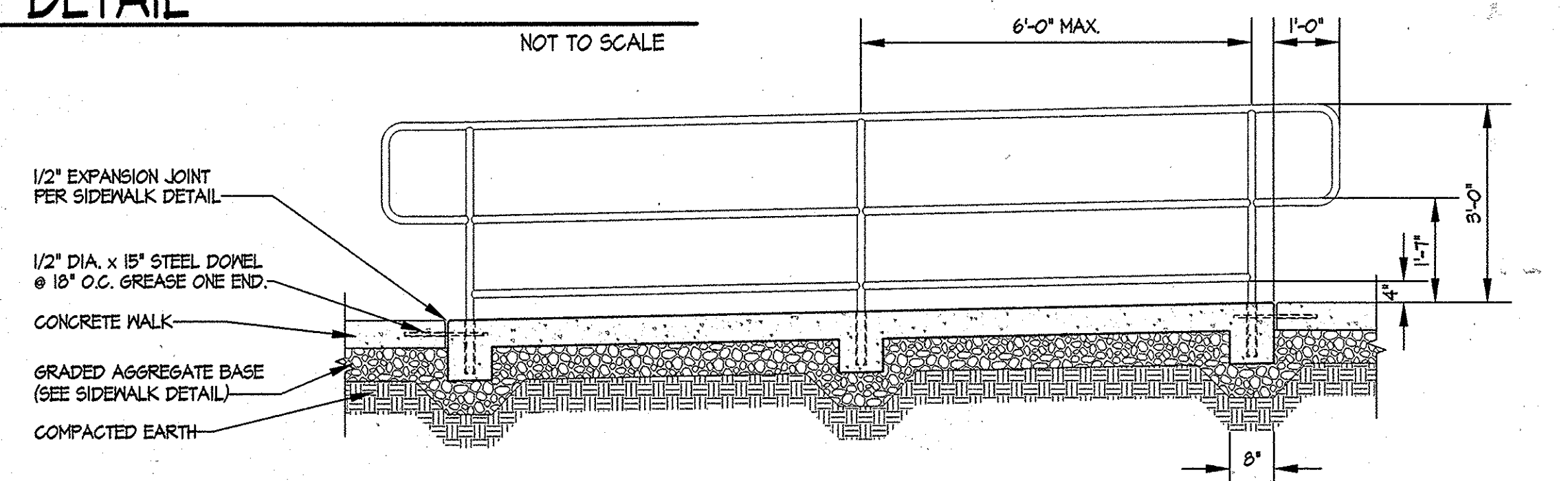
FLAGPOLE PLACEMENT:
 AMERICAN FLAG ON EAST FLAGPOLE
 STATE FLAG ON CENTER FLAGPOLE
 COUNTY FLAG ON WEST FLAGPOLE

FOUNDATION DIMENSIONS - EDER FLAG MANUFACTURING COMPANY (OR APPROVED EQUAL)

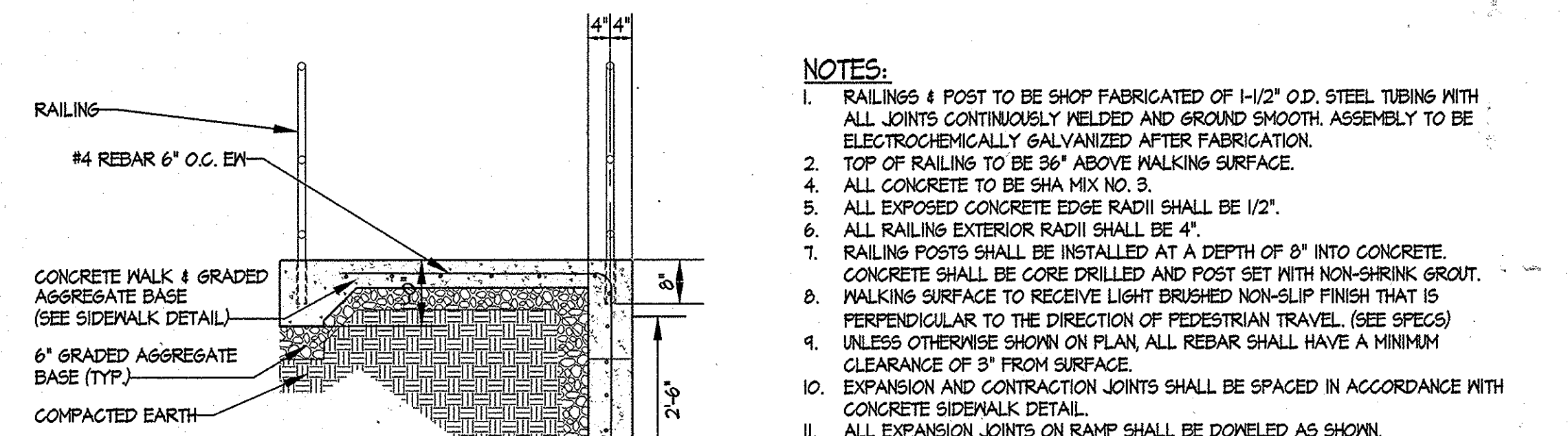
EXPOSED HEIGHT	A	B	C	D	E	F	G	H	K	MODEL #
30'	3'-0"	6"	18"	10"	14"	6"	3'-6"	30"	24"	EG 30

4 FLAG POLE MOUNTING DETAIL

NOT TO SCALE

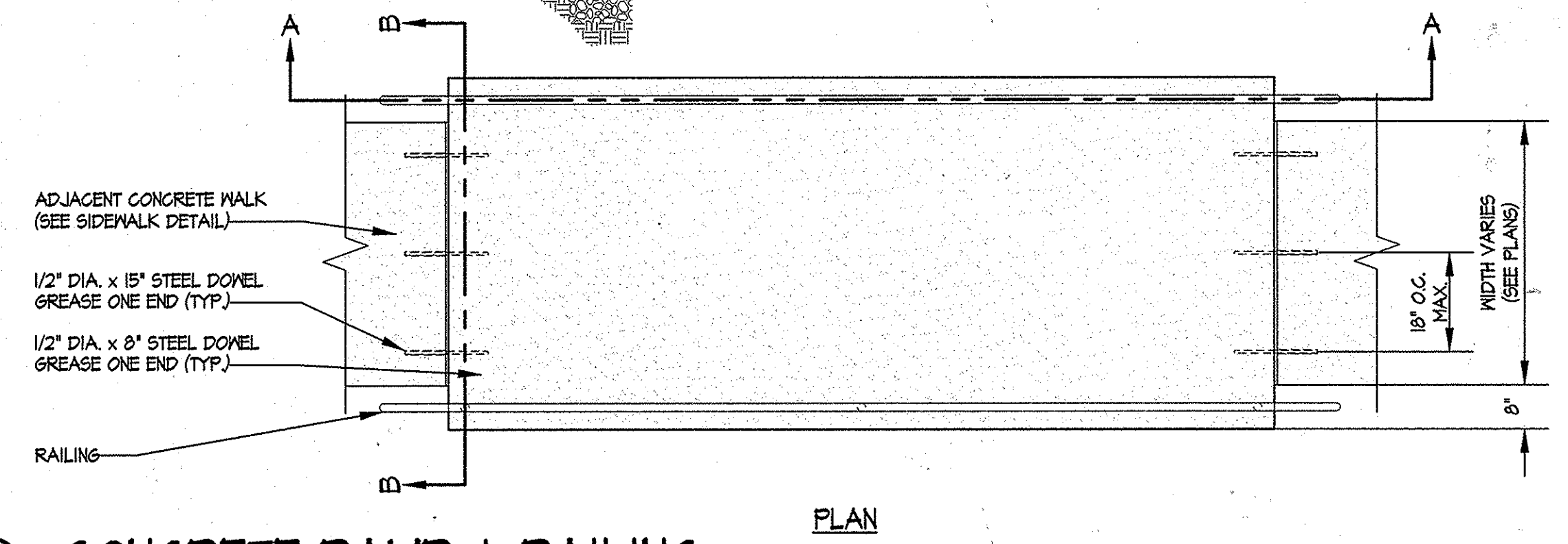


SECTION A-A



SECTION B-B

- NOTES:**
1. RAILINGS & POST TO BE SHOP FABRICATED OF 1-1/2" O.D. STEEL TUBING WITH ALL JOINTS CONTINUOUSLY WELDED AND GROUND SMOOTH. ASSEMBLY TO BE ELECTROCHEMICALLY GALVANIZED AFTER FABRICATION.
 2. TOP OF RAILINGS TO BE 36" ABOVE WALKING SURFACE.
 3. ALL CONCRETE TO BE SHA MIX NO. 3.
 4. ALL EXPOSED CONCRETE EDGE RADII SHALL BE 1/2".
 5. ALL RAILING EXTERIOR RADII SHALL BE 4".
 6. RAILING POSTS SHALL BE INSTALLED AT A DEPTH OF 8" INTO CONCRETE. CONCRETE SHALL BE CORE DRILLED AND POST SET WITH NON-SHRINK GROUT.
 7. WALKING SURFACE TO RECEIVE LIGHT BRUSHED NON-SLIP FINISH THAT IS PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL. (SEE SPECS)
 8. UNLESS OTHERWISE SHOWN ON PLAN, ALL REBAR SHALL HAVE A MINIMUM CLEARANCE OF 3" FROM SURFACE.
 9. EXPANSION AND CONTRACTION JOINTS SHALL BE SPACED IN ACCORDANCE WITH CONCRETE SIDEWALK DETAIL.
 10. ALL EXPANSION JOINTS ON RAMP SHALL BE DOWNELED AS SHOWN.



PLAN

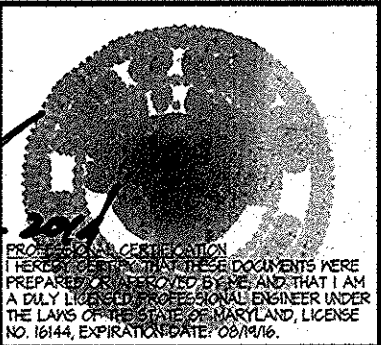
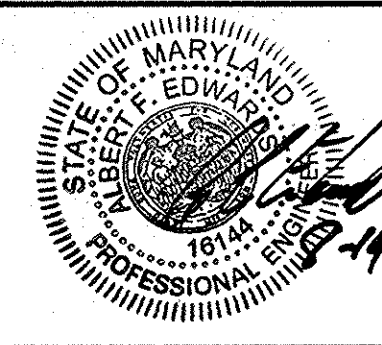
SCALE: 1/2" = 1'-0"

5 CONCRETE RAMP & RAILING

APPROVED: DEPARTMENT OF PLANNING & ZONING
 Paul M. Langlois
 DIRECTOR
 9-3-14
 DATE
 9-18-14
 DATE

ADDRESS / PERMIT INFORMATION
 PARCEL: 185 542 394 185 185 185 LOT A-21 185 LOT A-22
 ADDRESS: 6400 MANSION LANE
 L871 / F 34, L2055 / F 35, L2205 / F 36, L5103 / F 600,
 L534 / F 38, L485 / F 43, L485 / F 43, L485 / F 43
 GRID 11 & 18, ZONE: M4, TAX MAP NO. 37
 18 ELECTION DISTRICT, CENSUS TRACT 602.02
 WATER CODE: 400, SEWER CODE: 252200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 2120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 312-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 2120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 312-2100

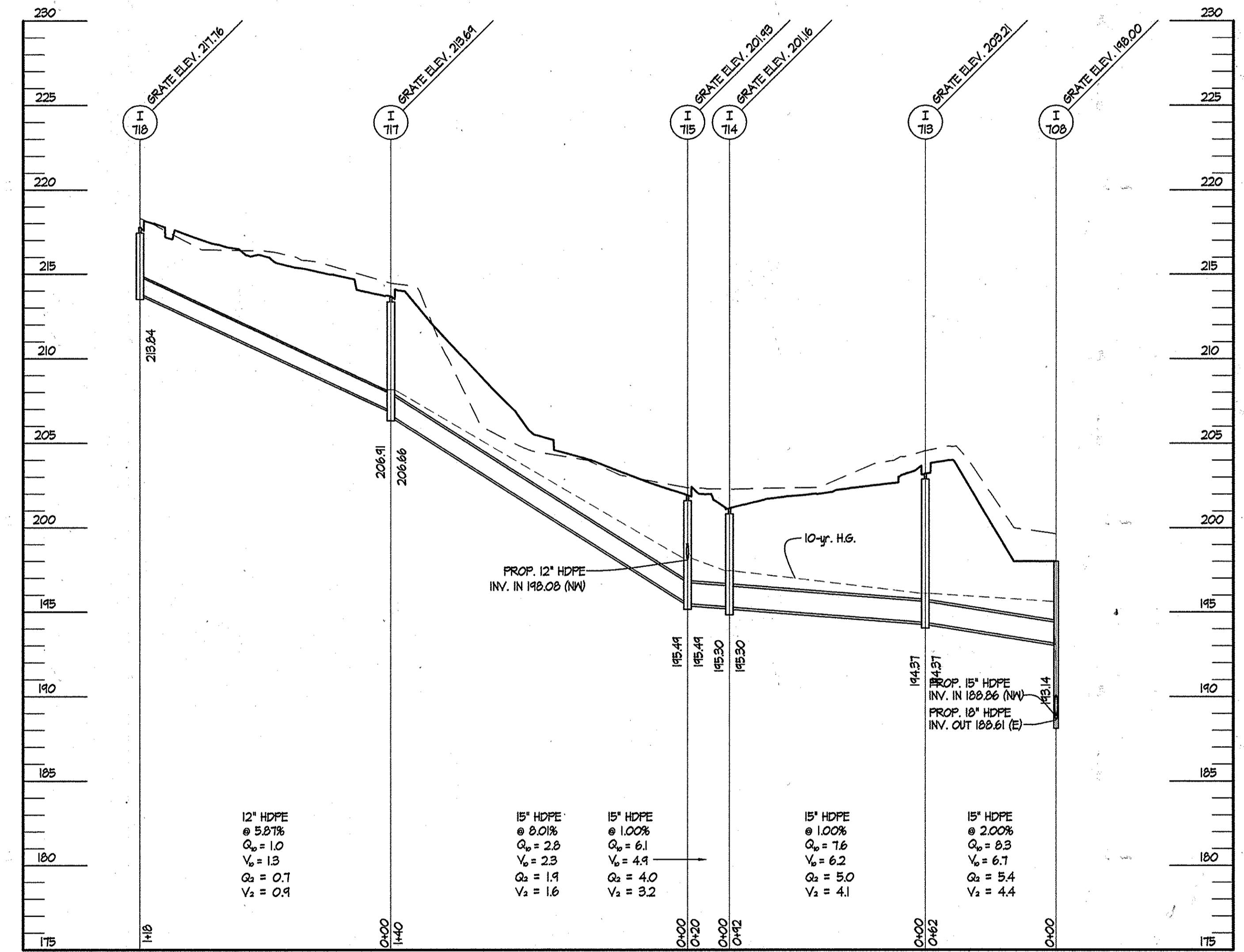
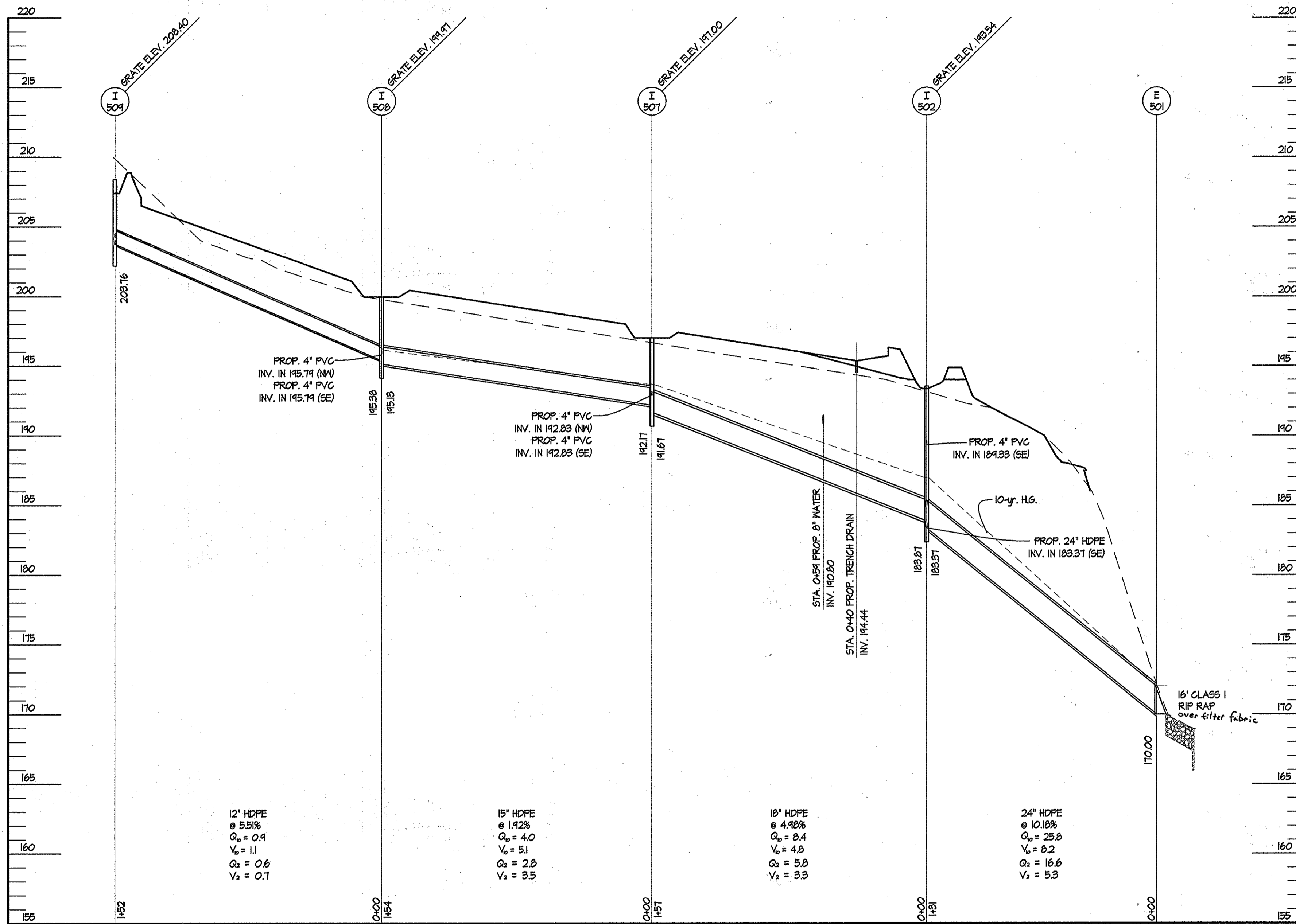
SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 14105 Jermantown Pike • Pikesville, Maryland 21113
 (410) 651-3300 • Fax: (410) 651-3309



DES: JLT										
DRN: JLT/AM										
CHK: AFE										
DATE: 08/14/14	BY:	NO.	REVISION	DATE	600' SCALE MAP NO.	51	BLOCK NO.	16	CAPITAL PROJECT NO.	N-3457

SITE DETAILS

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 HOWARD COUNTY, MARYLAND
 SHEET 20 OF 67
 SDP-14-033



① PROFILE 1-509 TO E-501

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

② PROFILE 1-718 TO 1-708

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

T:\000000-Troy Park Phase II Site Development Planning\CD\Storm Drain Profiles.dwg - JLT, Aug 14, 2014 03:06pm

APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature]
 DIRECTOR
 DATE: 9/10/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 PARCEL 244, 245, 242, 236, 190, 195, 191 LOT A-21, 195 LOT A-22
 ADDRESS: 8400 MANSION LANE
 L317 / F. 44, L10555 / F.351, L12205 / F.940, L5189 / F.600,
 L5841 / F.18, L4833 / F.481, L4833 / F.640, L4833 / F.640
 GRID 11 & 12, ZONE: M4, TAX MAP NO. 57
 IN ELECTION DISTRICT, GENERAL TRACT 5012.02
 WATER CODE: 400, SEWER CODE: 282200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 1435 Annettsville Pike • Pikesville, Maryland 21111
 (410) 682-3388 • fax (410) 682-3389

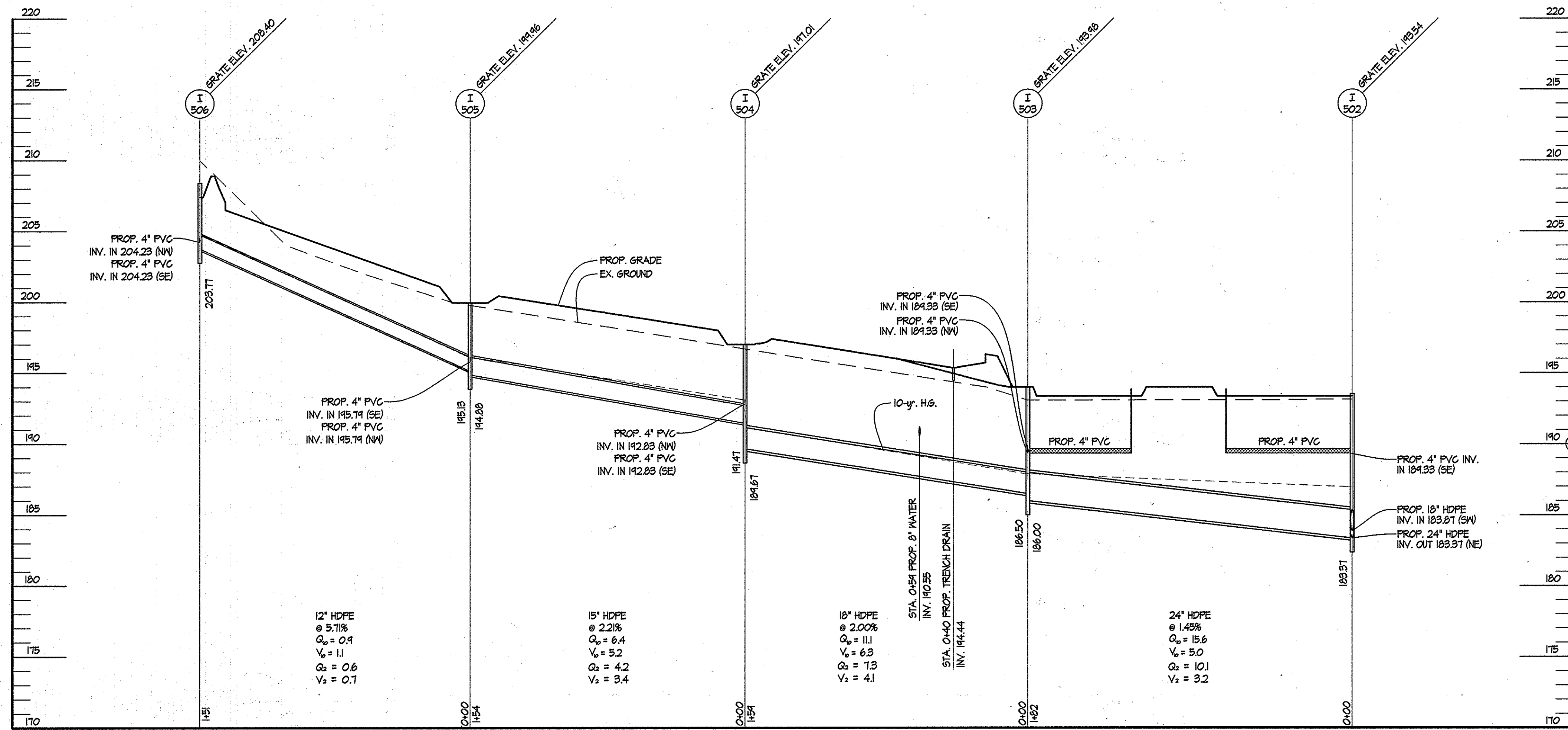
DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14

BY	NO.	REVISION	DATE

STORM DRAIN PROFILES
 600' SCALE MAP NO. 51 BLOCK NO. 16

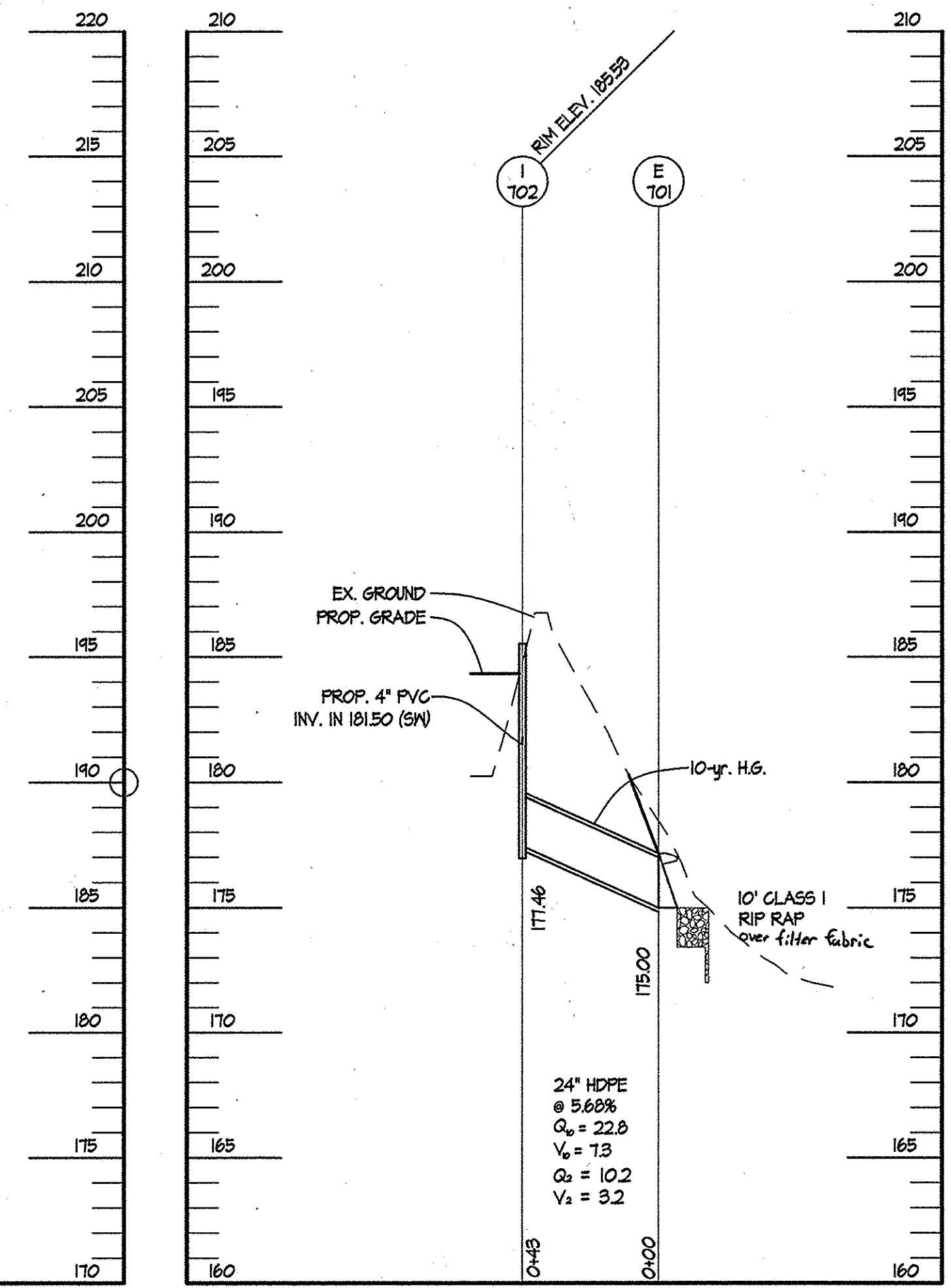
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
 C3.01
 SHEET 21 OF 67
 SDP-14-033



① PROFILE 1-506 TO 1-502

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'



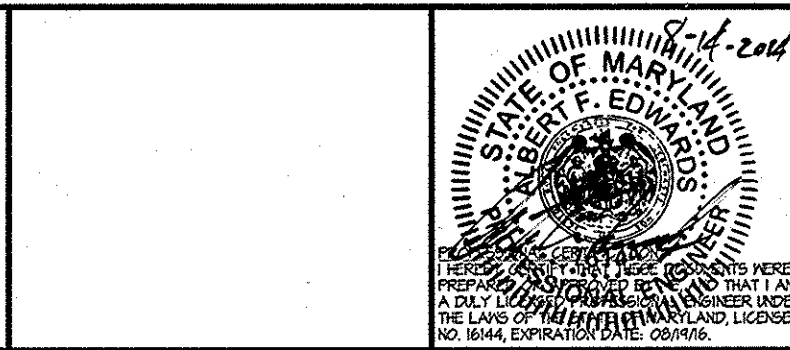
② PROFILE 1-702 TO E-701

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

T:\000000\Troy Park Phase II Site Development\Planning\SDP-03 Storm Drain Profiles.dwg - Aug 14, 2014 02:00pm - LT

APPROVED: DEPARTMENT OF PLANNING & ZONING
D. W. Dr. Leyle 7/16/14
 DIRECTOR DATE
Chad 9-10-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Kestel 9-10-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

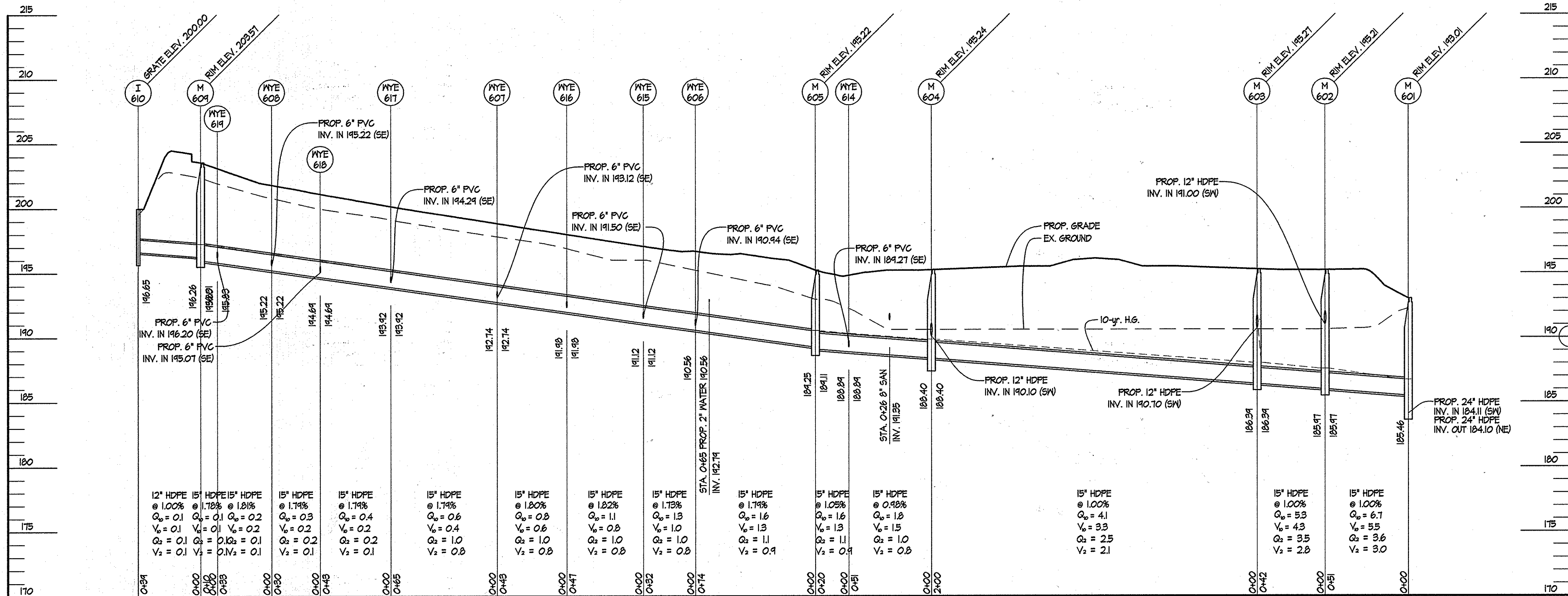
ADDRESS / PERMIT INFORMATION
 PARCEL: 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



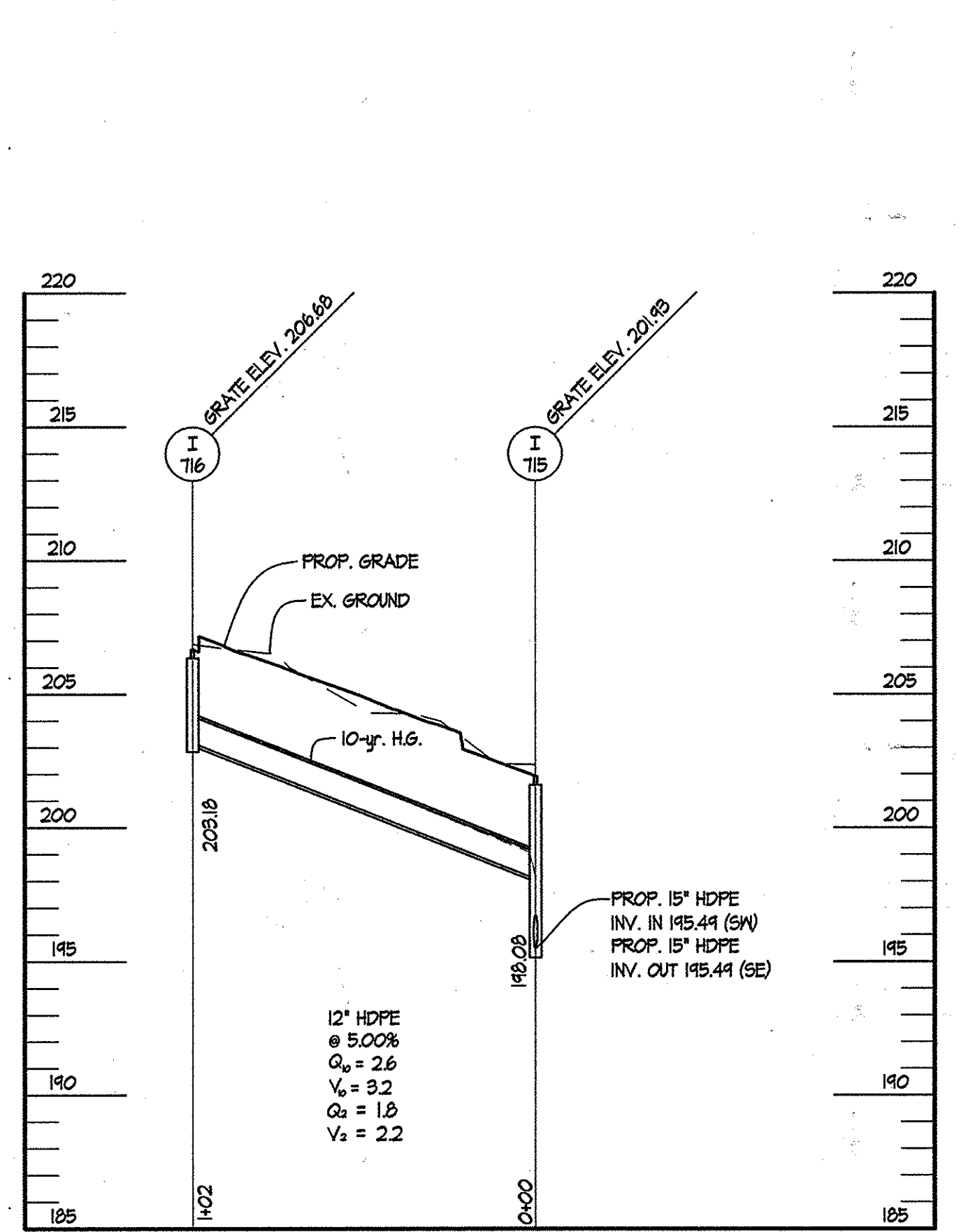
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DRN:	JLT/AM				
CHK:	AFE				
DATE:	08/14/14	BY:		NO.	
			REVISION		DATE

STORM DRAIN PROFILES
 600' SCALE MAP NO. 51 BLOCK NO. 16

SCALE: AS SHOWN
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SHEET 22 OF 67
 SDP-14-033



1 PROFILE I-610 TO E-601



2 PROFILE I-716 TO I-715

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

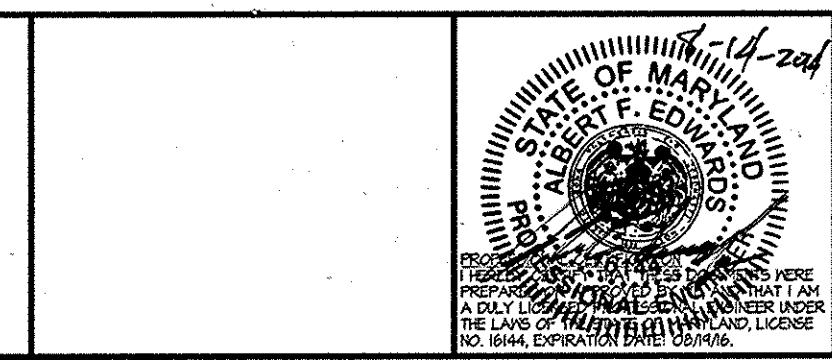
SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

APPROVED: DEPARTMENT OF PLANNING & ZONING
David A. Coyle
 DIRECTOR
 DATE: 9/18/14

CHIEF, DEVELOPMENT ENGINEERING DIVISION
Chad E. Smith
 DATE: 9-18-14

CHIEF, DIVISION OF LAND DEVELOPMENT
Walter S. ...
 DATE: 9-18-14

ADDRESS / PERMIT INFORMATION
 PARCELS 341, 342, 343, 190, 191, 192 LOT A-21, 193 LOT A-22
 ADDRESS: 6400 HANSON LANE
 LOT 17 / F. 44, L. 19055 / F. 391, L. 2205 / F. 390, L. 5785 / F. 600,
 L. 5841 / F. 18, L. 4833 / F. 481, L. 6833 / F. 640, L. 6855 / F. 640
 GRID 11 11.5, ZONE: M4, TAX MAP NO. 37
 IN ELECTION DISTRICT, GEORGE TRACT 502.02
 WATER CODE: 400, SEWER CODE: 282200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 383-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 383-2100



BY	NO.	REVISION	DATE

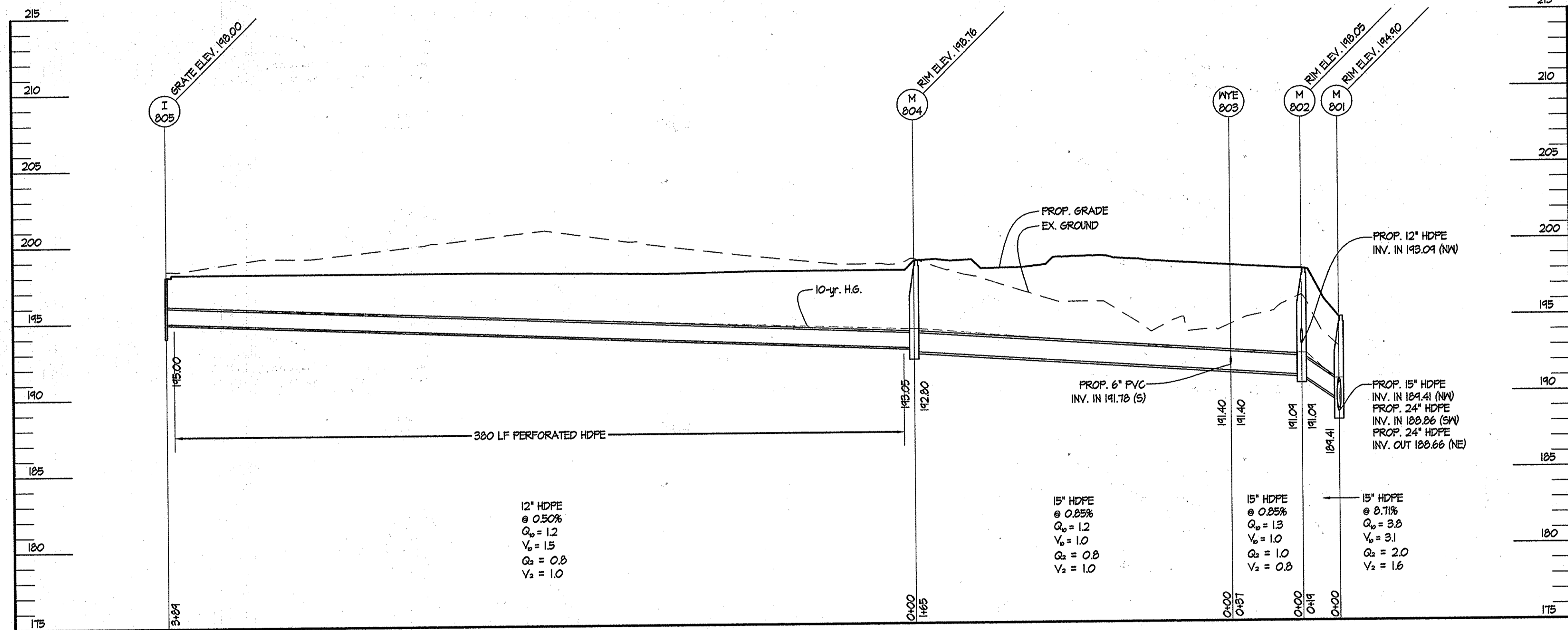
STORM DRAIN PROFILES

600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

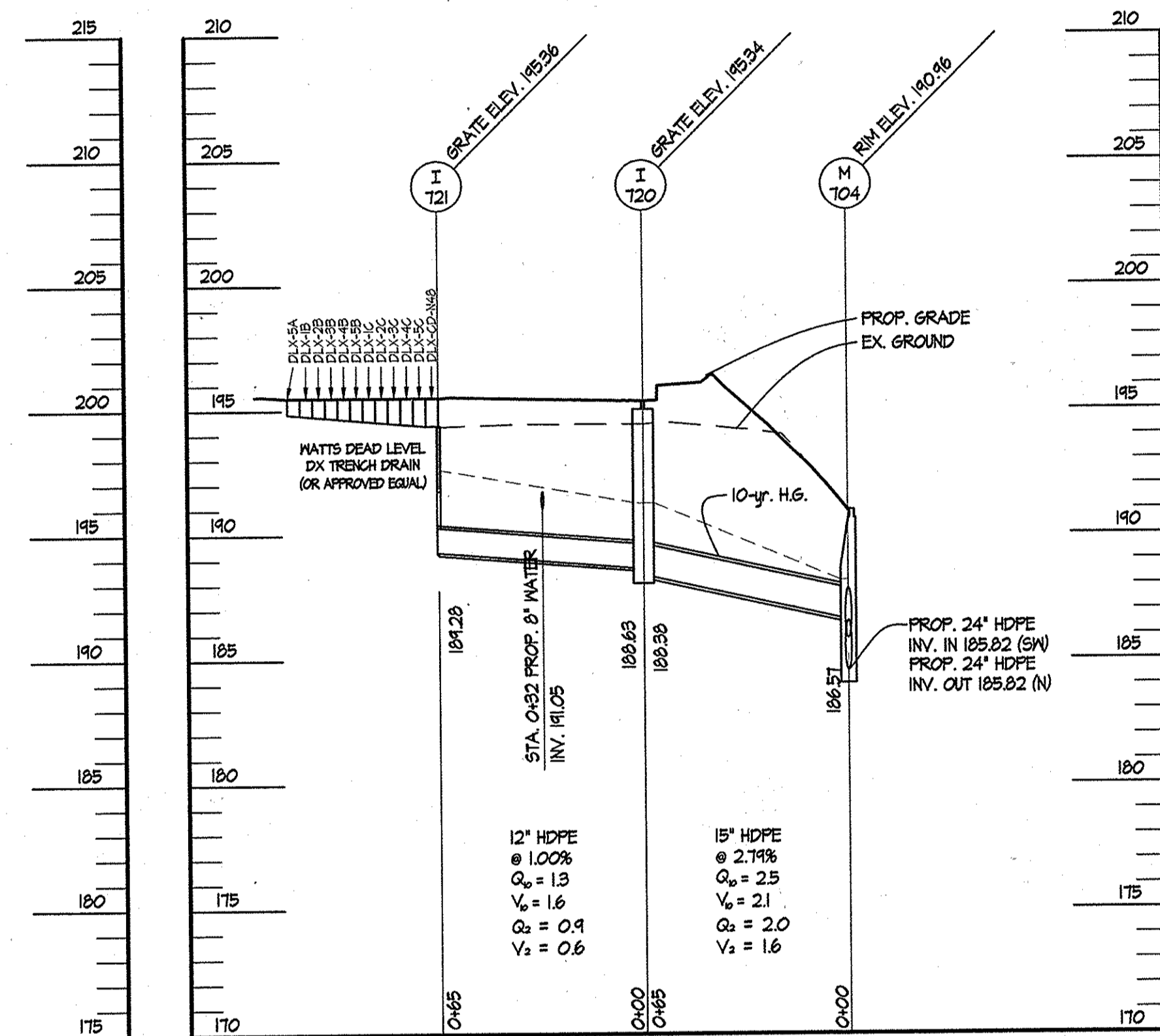
CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
 C3.03
 SHEET 23 OF 67
 SDP-14-033



1 PROFILE 1-805 TO M-801

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

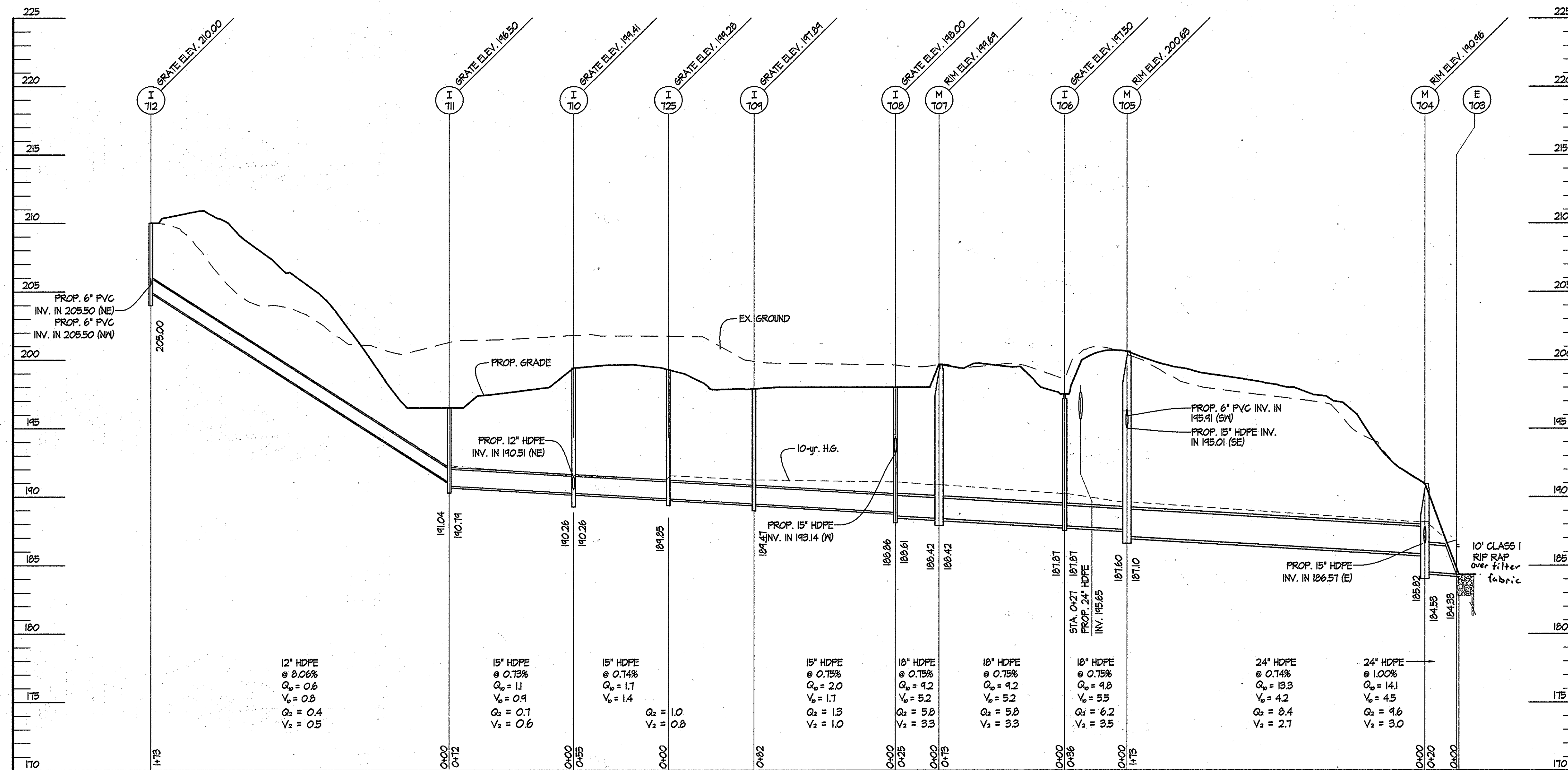


2 PROFILE 1-721 TO 1-704

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

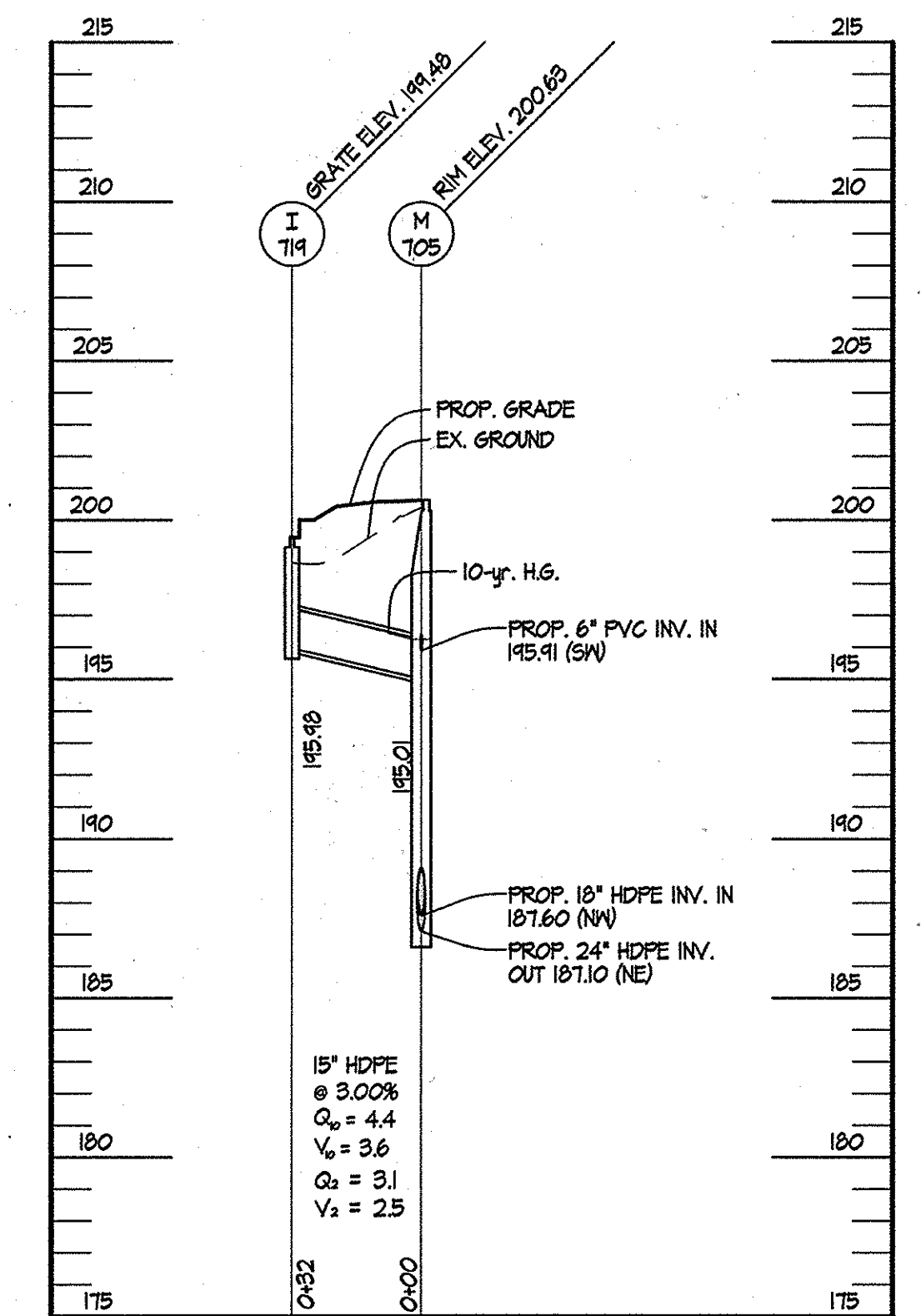
Z:\PROJECTS\Troy Park Phase II\Site Development\Plan\SDP14-033.dwg - Aug 14, 2014 03:07pm .JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING <i>Mark D. Gough</i> 9/12/14 DIRECTOR DATE <i>Chad Egan</i> 9/3/14 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE <i>Kurt Schenk</i> 9/13/14 CHIEF, DIVISION OF LAND DEVELOPMENT DATE	ADDRESS / PERMIT INFORMATION PARCEL 561, 545, 542, 536, 100, 105, 106 LOT A-21, 105 LOT A-22 ADDRESS: 1450 HANSON LANE LST1 / F.44, L.0255 / F.351, L.2225 / F.340, L.5103 / F.600, L.5341 / F.170, L.4933 / F.451, L.4933 / F.690, L.6155 / F.640 GRID 114.10, 2025, 104, TAX MAP NO. 31 66 ELECTION DISTRICT, CENSUS TRACT 802.02 WATER COEFF. 400, SEWER COEFF. 0.92500 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 312-2100	 Comprehensive Land Planning & Site Design Services 14315 Armitville Pike • Phoenix, Maryland 21131 (410) 883-3388 • Fax (410) 883-3388	 DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>BY</th> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	BY	NO.	REVISION	DATE					STORM DRAIN PROFILES 600' SCALE MAP NO. 51 BLOCK NO. 16	TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3451 HOWARD COUNTY, MARYLAND SCALE: AS SHOWN C3.04 SHEET 24 OF 67 SDP-14-033
BY	NO.	REVISION	DATE											



1 PROFILE I-712 TO E-703

SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'



2 PROFILE I-719 TO M-705

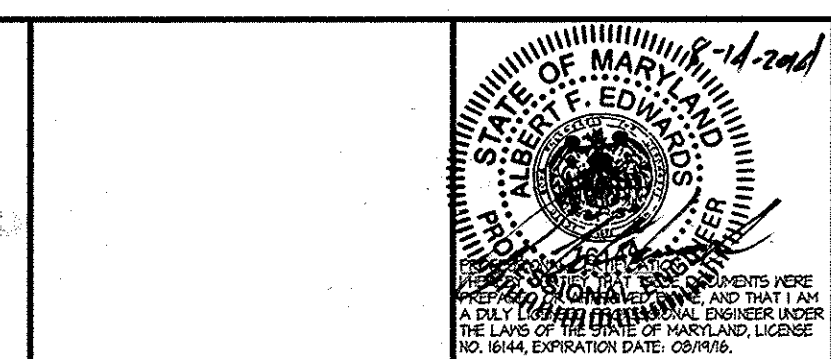
SCALES: HORIZ. 1" = 40'
VERT. 1" = 5'

T:\010024- Troy Park Phase II Site Development Planning\2018 Storm Drain Profiles.dwg - August 14, 2014 09:07:31 AM - JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature] 9/2/14
 DIRECTOR DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE 9-3-14
 DATE 9-12-14
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 PARCELS 541, 542, 543, 550, 700, 555, 556 LOT A-21, 185 LOT A-22
 ADDRESS: 8400 MANSION LANE
 L5717 / F.44, L10588 / F.351, L12206 / F.940, L5183 / F.600,
 L5841 / F.18, L4833 / F.481, L4833 / F.640, L4833 / F.640,
 GRID 11 & 18, ZONE M-1, TAX MAP NO. 57
 IN ELECTION DISTRICT, GEORGES TRACT 8212.02
 WATER CODE: 400, SEWER CODE: 282200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 318-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 318-2100

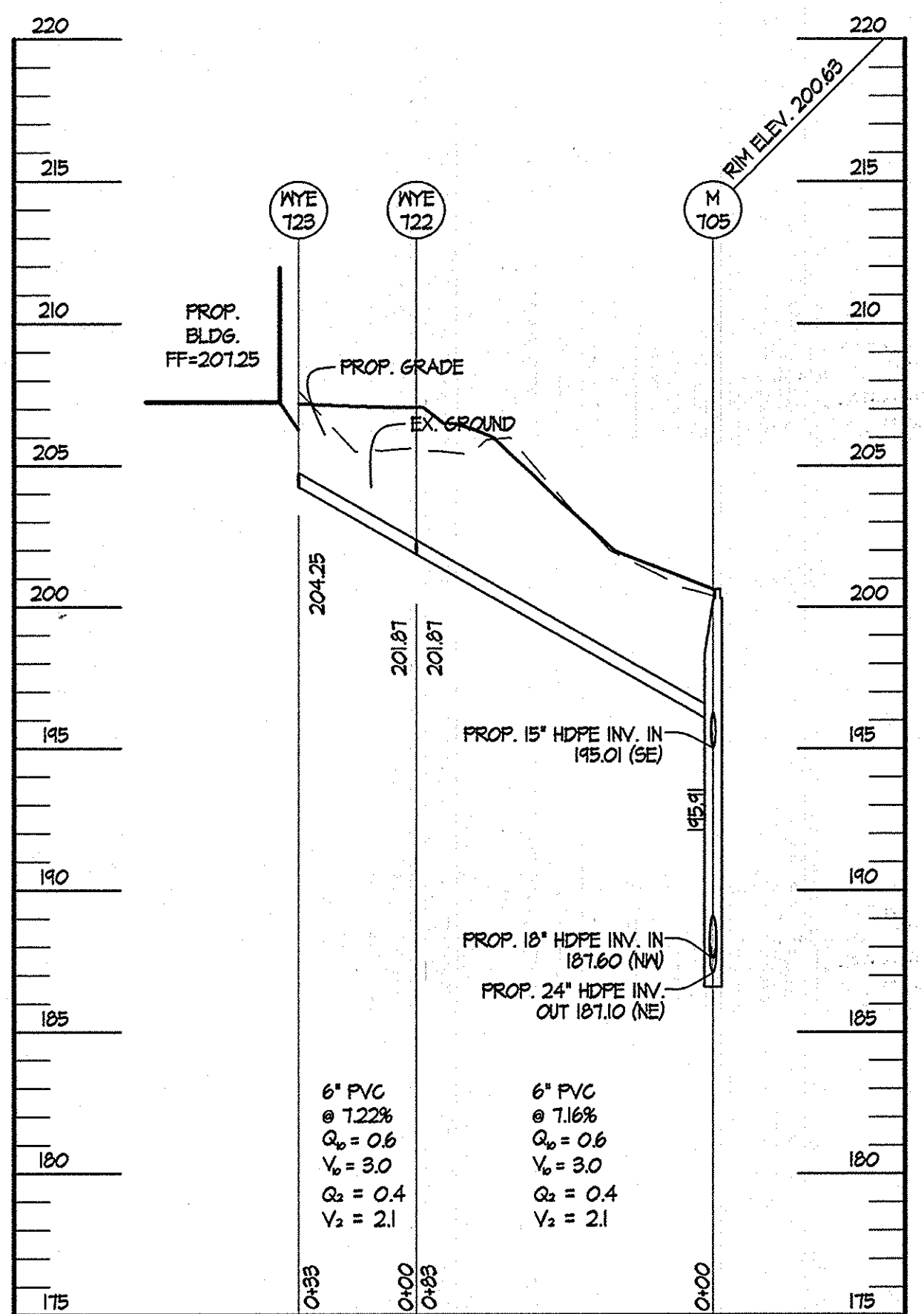
SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 14315 Annettsville Pike • Pikesville, Maryland 21111
 (410) 883-3388 • fax (410) 883-3389



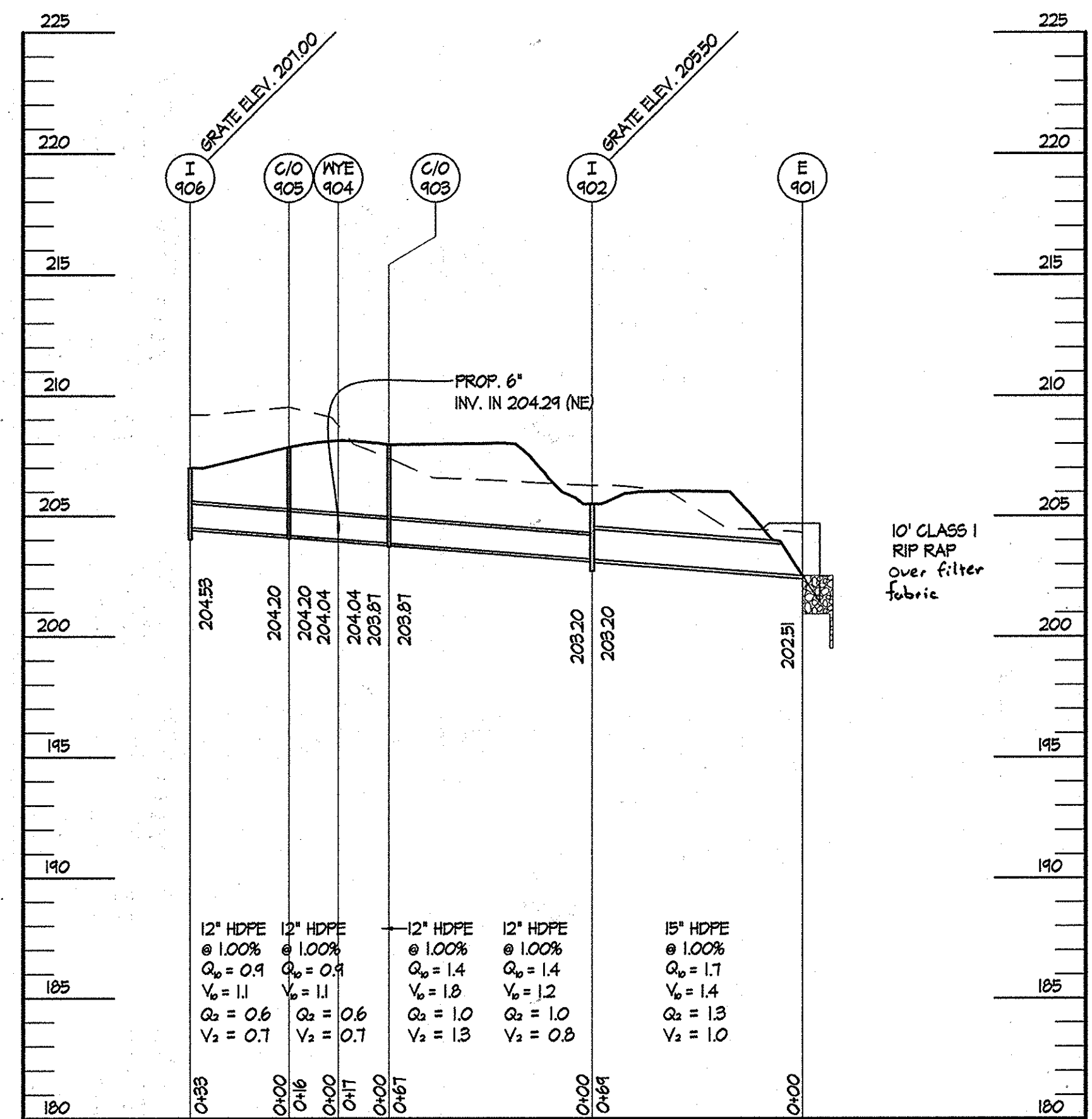
DES: JLT					
DRN: JLT/AM					
CHK: AFE					
DATE: 08/14/14	BY	NO.	REVISION	DATE	

STORM DRAIN PROFILES
 600' SCALE MAP NO. 51 BLOCK NO. 16

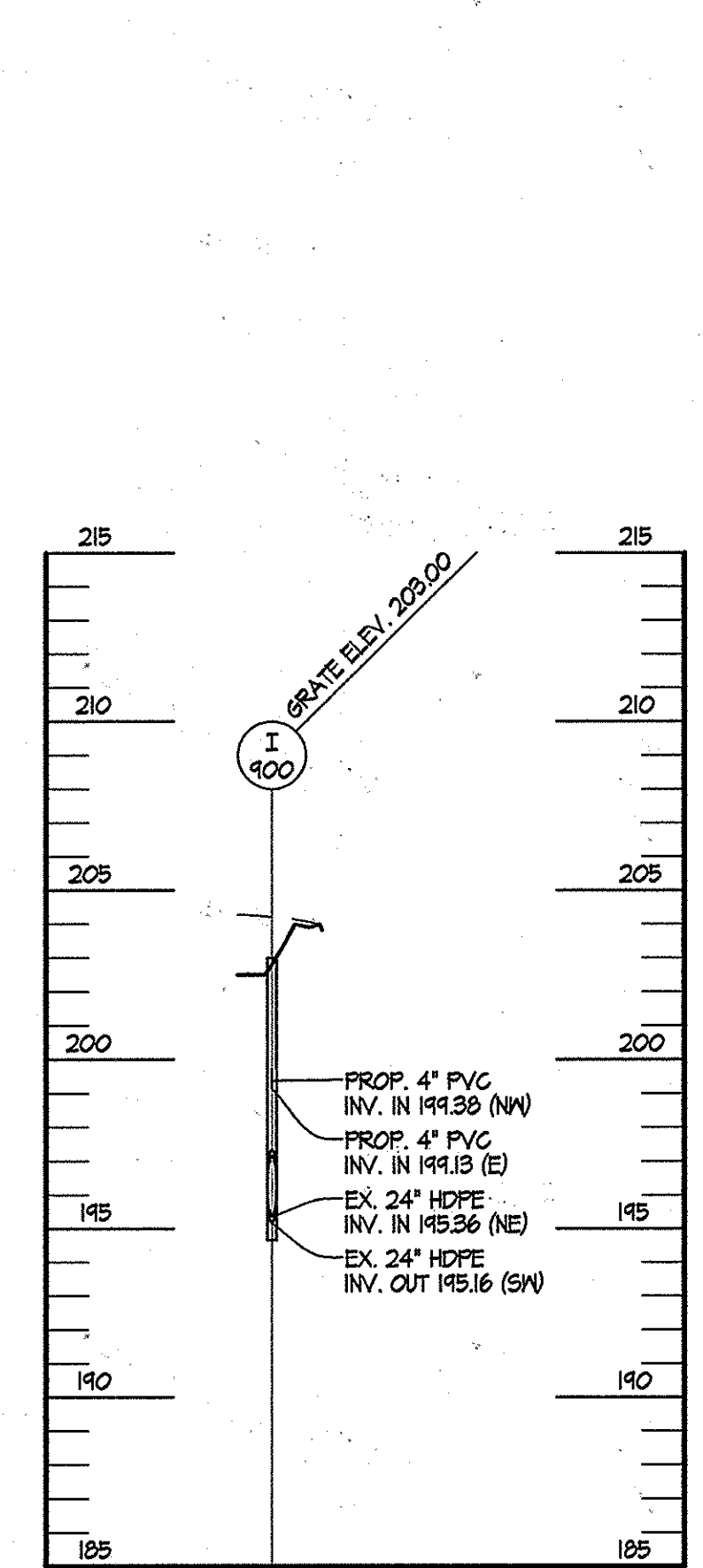
SCALE: AS SHOWN
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND
 SHEET 25 OF 61
 SDP-14-033



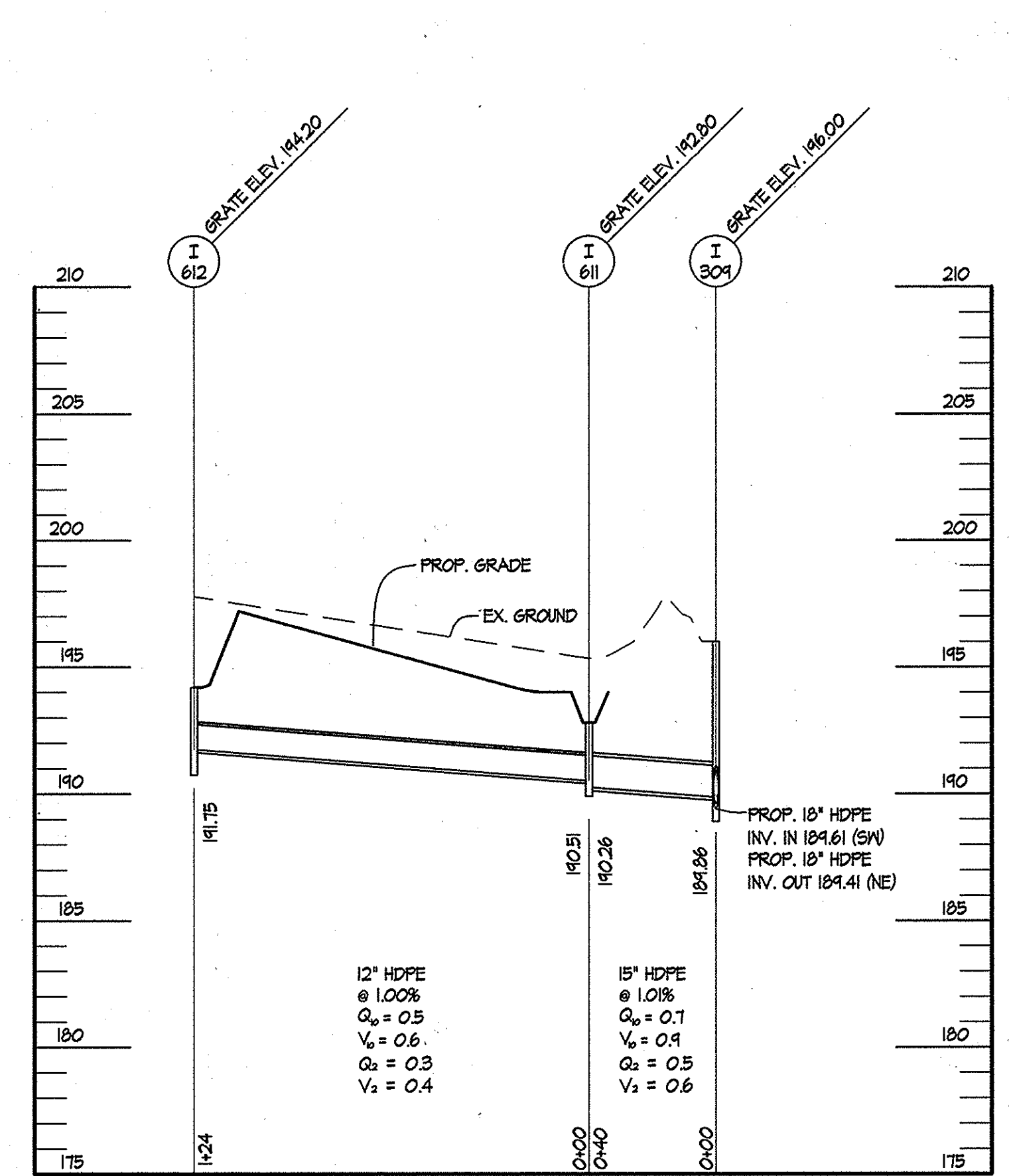
1 PROFILE PAVILION TO M-705
 SCALES: HORIZ. 1" = 40'
 VERT. 1" = 5'



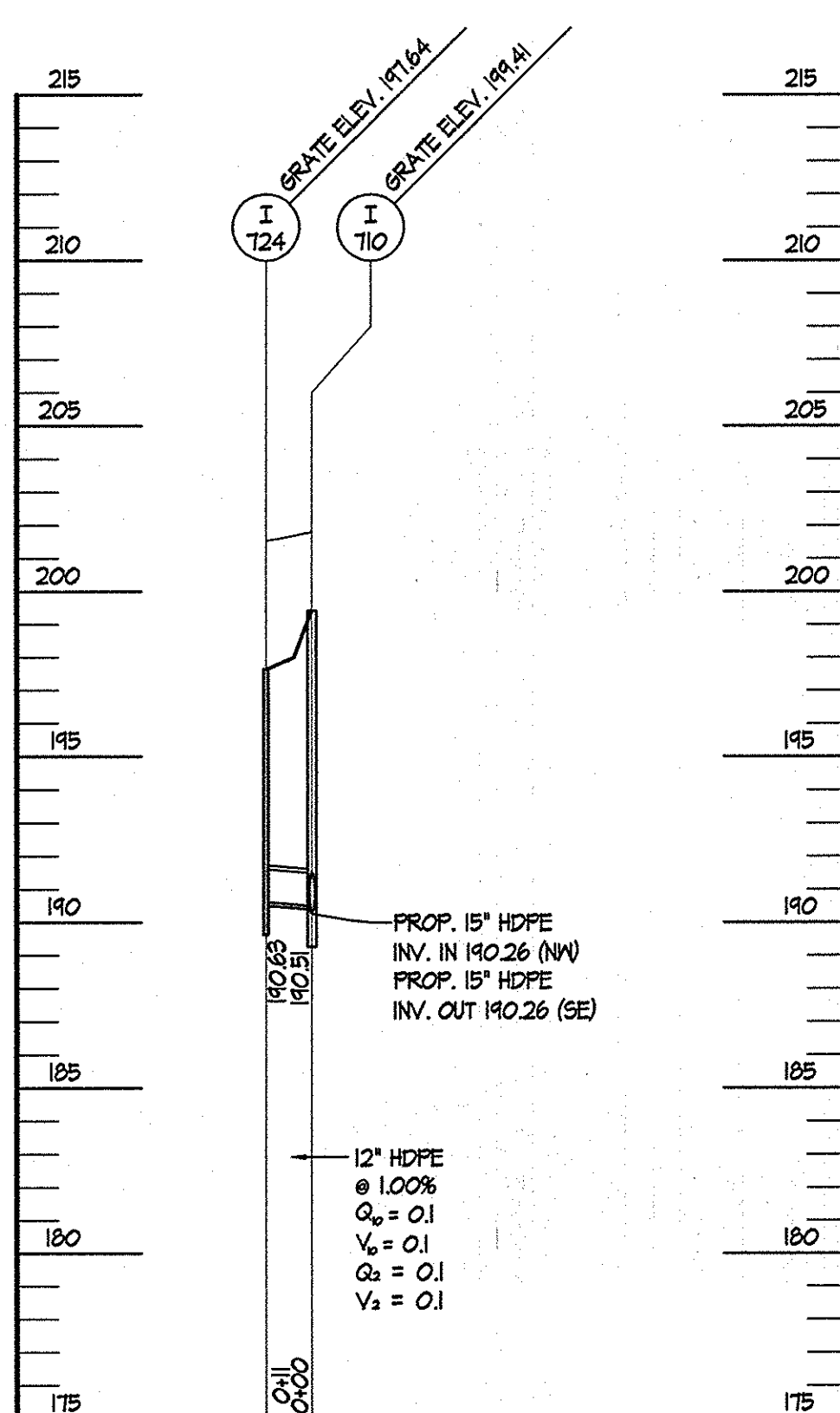
2 PROFILE I-906 TO E-901
 SCALES: HORIZ. 1" = 40'
 VERT. 1" = 5'



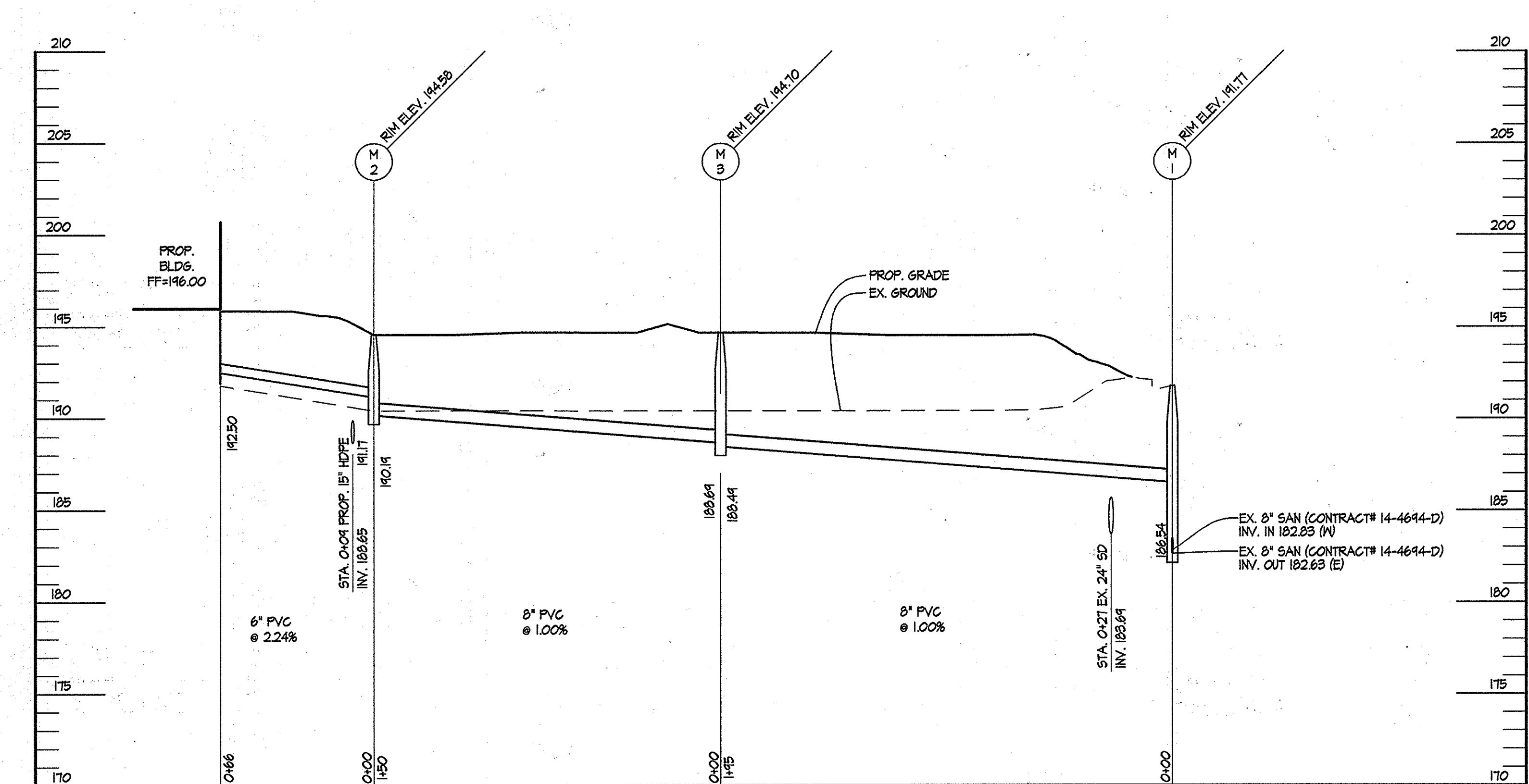
3 PROFILE I-900
 SCALES: HORIZ. 1" = 40'
 VERT. 1" = 5'



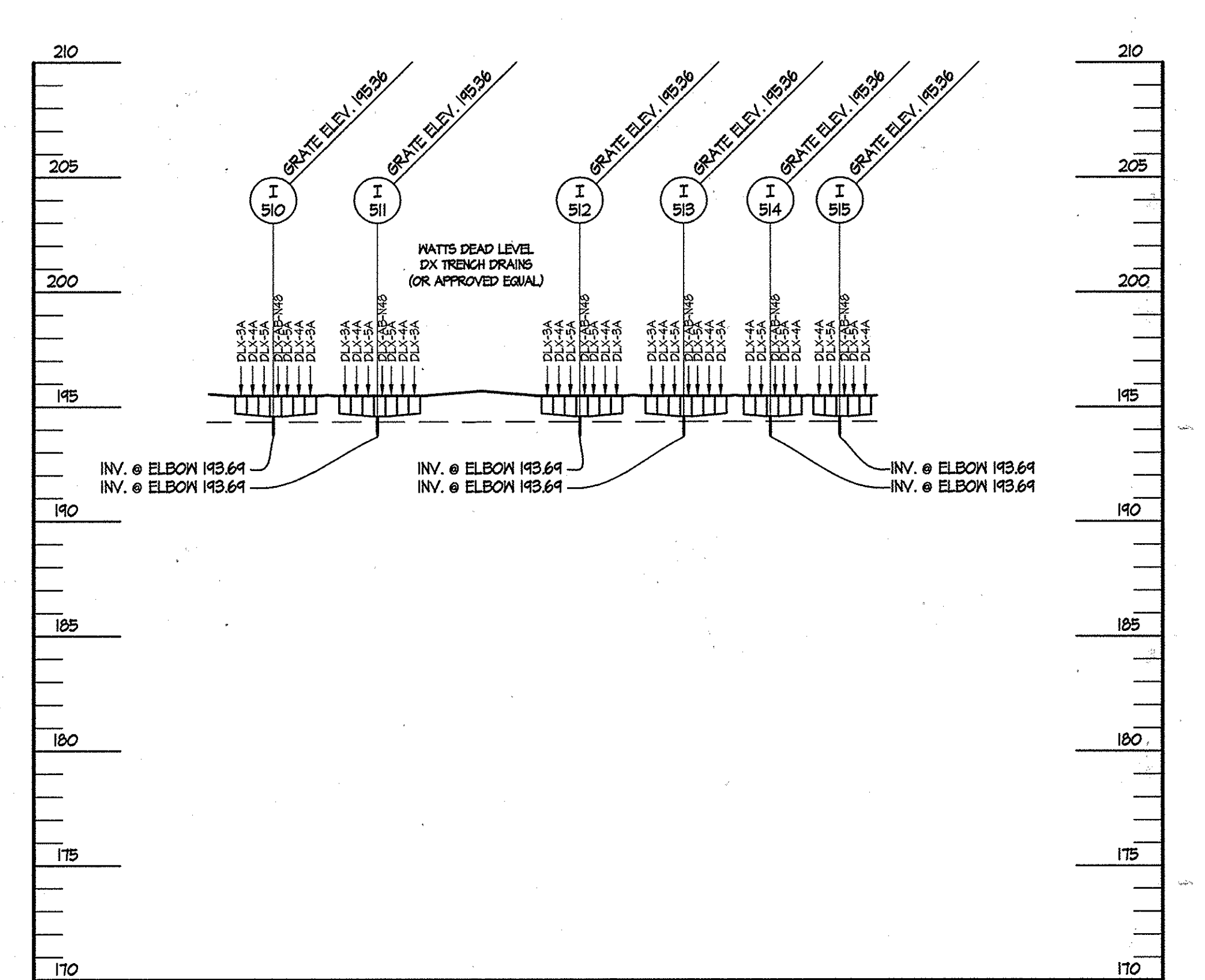
4 PROFILE I-612 to ex. I-309
 SCALES: HORIZ. 1" = 40'
 VERT. 1" = 5'



5 PROFILE I-724 to I-710
 SCALES: HORIZ. 1" = 40'
 VERT. 1" = 5'

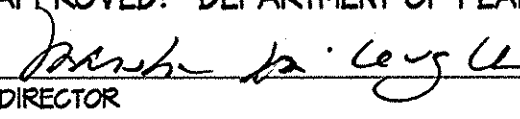



6 SANITARY PROFILE BLDG. TO MH-1
 SCALES: HORIZ. 1" = 40'
 VERT. 1" = 5'



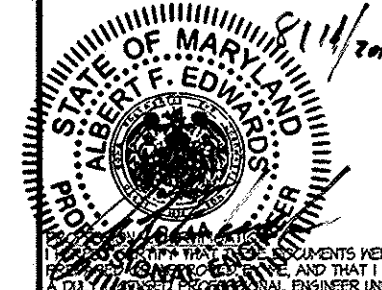
7 TRENCH DRAIN PROFILES
 SCALES: HORIZ. 1" = 40'
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E:\000045-170-Plan-Phase II-21a-Development-Plan\00045-170-Plan-Phase II-21a-Development-Plan.dwg, Aug 14, 2014 02:27:10 AM, JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING

 DIRECTOR
 DATE: 7/16/14
CHIEF, DEVELOPMENT ENGINEERING DIVISION

 DATE: 9-13-14

ADDRESS / PERMIT INFORMATION
 PARCELS 241, 242, 243, 244, 155, 156 LOT A-21, 155 LOT A-22
 ADDRESS: 8400 HANSON LANE
 LOT 17 / F.44, L12255 / F.291, L12225 / F.290, L5783 / F.600,
 L584 / F.15, L4533 / F.431, L4533 / F.430, L4189 / F.440
 GRID 11 & 12, ZONE: M-1, TAX MAP NO. 57
 1/4 SECTION DISTRICT, GENRES TRACT, 5012.02
 WATER CODE: 400, SEWER CODE: 282200
OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 383-2100
DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 7120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 383-2100

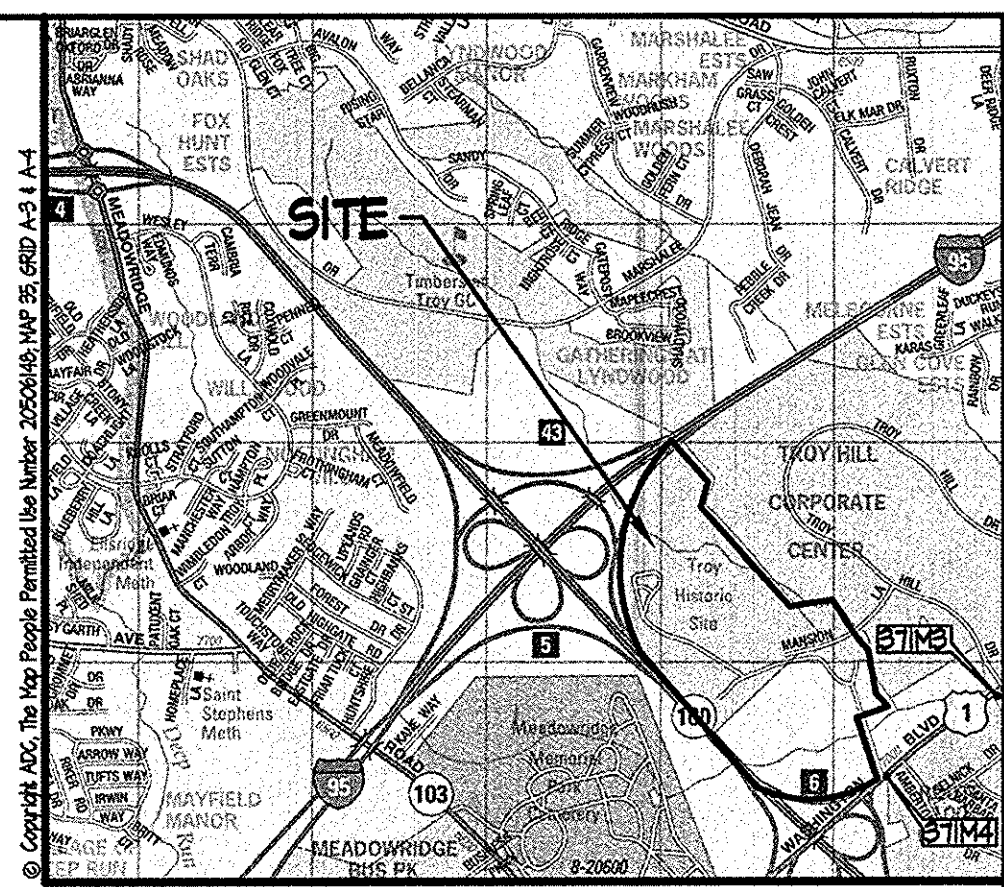
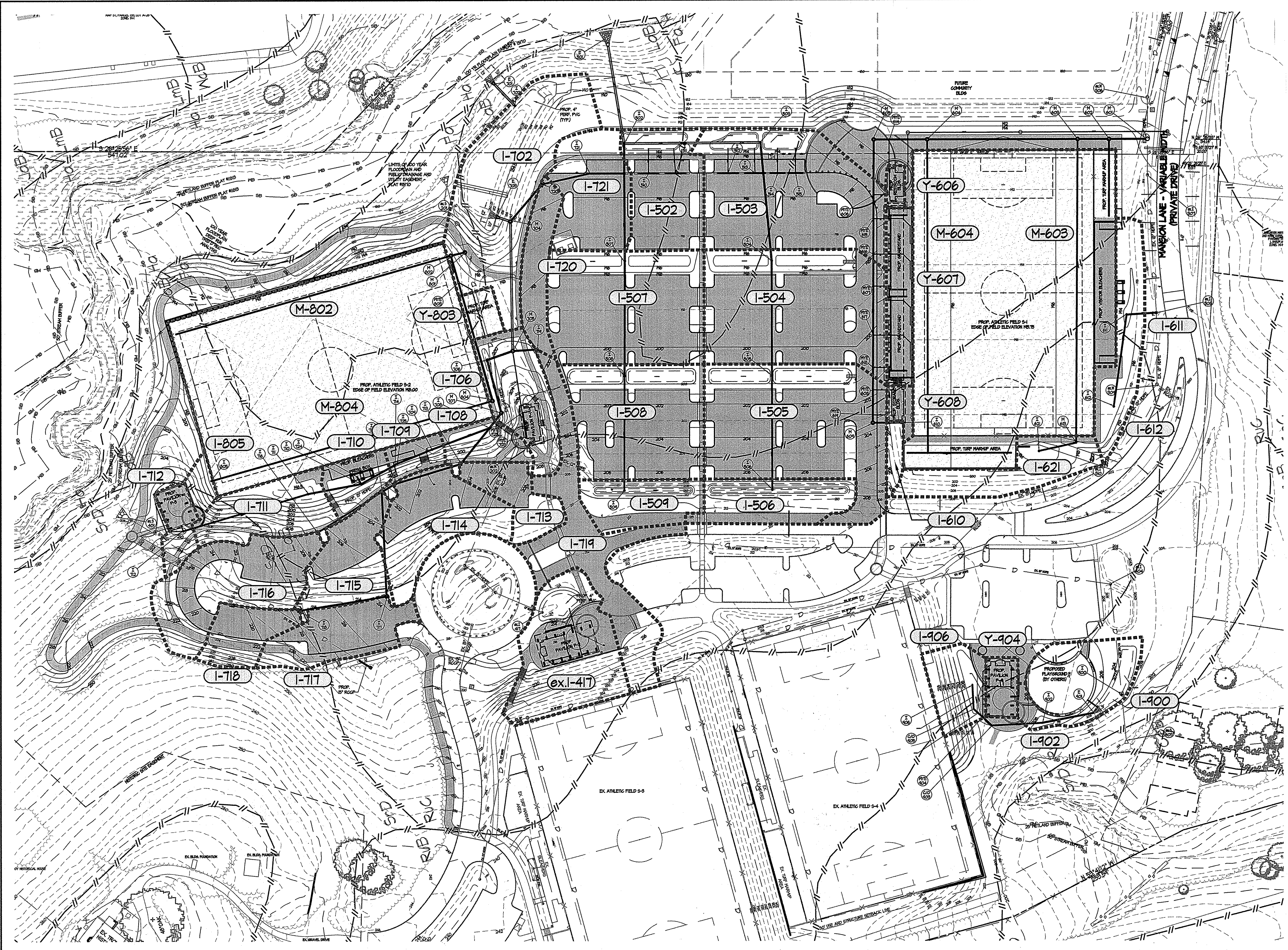

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 1615 Annettsville Pike • Pikesville, Maryland 21113
 (410) 883-3388 • fax (410) 883-3389


STATE OF MARYLAND
 REGISTERED PROFESSIONAL ENGINEER
 J. L. TAYLOR, III
 LICENSE NO. 11111

DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14
 BY: NO. REVISION DATE: 600' SCALE MAP NO. 51 BLOCK NO. 16

STORM DRAIN & SANITARY SEWER PROFILES
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 SCALE: AS SHOWN
C3.06
 SHEET 26 OF 67
SDP-14-033

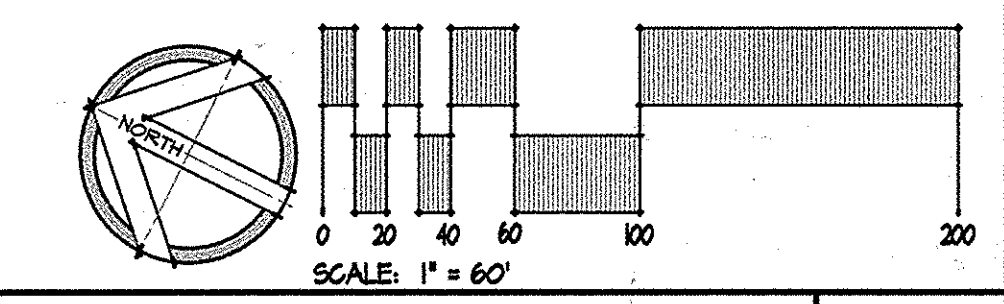


STORM DRAIN SUMMARY TABLE

STRUCTURE NO.	DRAINAGE AREA (AC)	% IMPERVIOUS	C FACTOR
I-502	0.61	79%	0.81
I-503	0.86	77%	0.79
I-504	0.86	77%	0.79
I-505	0.91	80%	0.82
I-506	0.21	19%	0.37
I-507	0.75	79%	0.76
I-508	0.62	79%	0.76
M-603	1.05	0%	0.24
M-604	1.05	0%	0.24
Y-606	0.02	100%	0.96
Y-607	0.15	100%	0.96
Y-608	0.02	100%	0.96
I-610	0.04	0%	0.24
I-611	0.29	17%	0.36
I-612	0.28	7%	0.29
I-613	0.29	7%	0.29
I-702	0.54	7%	0.29
I-706	0.22	27%	0.44
I-708	0.12	33%	0.40
I-704	0.11	55%	0.63
I-710	0.15	62%	0.68
I-711	0.24	10%	0.31
I-712	0.10	70%	0.74
I-713	0.17	54%	0.66
I-714	0.38	45%	0.56
I-715	0.21	52%	0.61
I-716	0.48	54%	0.63
I-717	0.28	86%	0.86
I-718	0.17	65%	0.71
I-719	0.34	100%	0.96
I-720	0.17	100%	0.96
I-721	0.16	100%	0.96
M-802	1.05	0%	0.24
Y-803	0.06	0%	0.24
M-804	1.05	0%	0.24
I-805	0.07	0%	0.24
I-900	0.23	19%	0.33
I-902	0.07	48%	0.55
Y-904	0.01	100%	0.96
I-906	0.10	30%	0.46

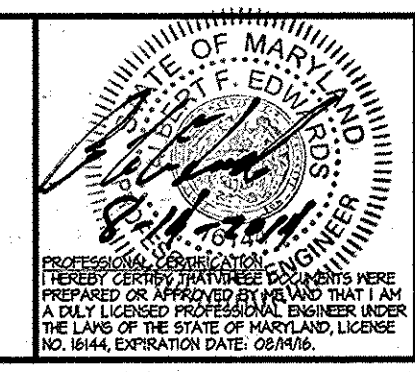
LEGEND

- DRAINAGE DIVIDE
- IMPERVIOUS COVER
- TURF FIELDS



APPROVED: DEPARTMENT OF PLANNING & ZONING
 Director: *[Signature]* DATE: 9/16/14
 Chief, Development Engineering Division: *[Signature]* DATE: 9-13-14
 Chief, Division of Land Development: *[Signature]* DATE: 9-13-14

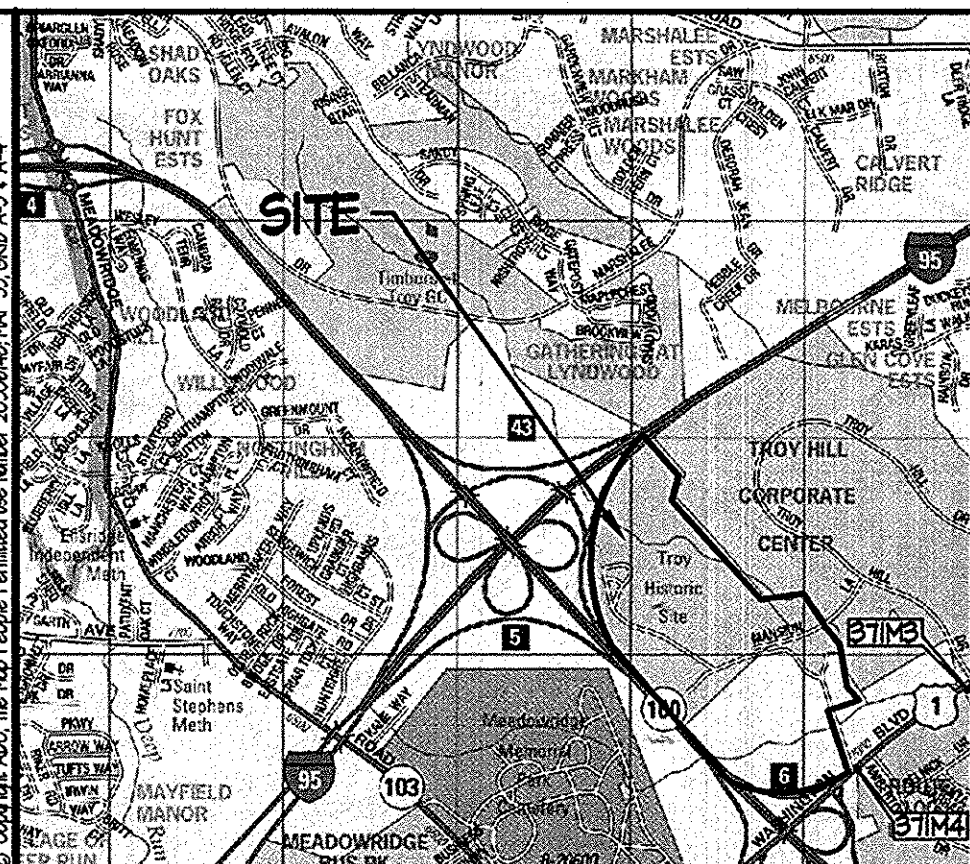
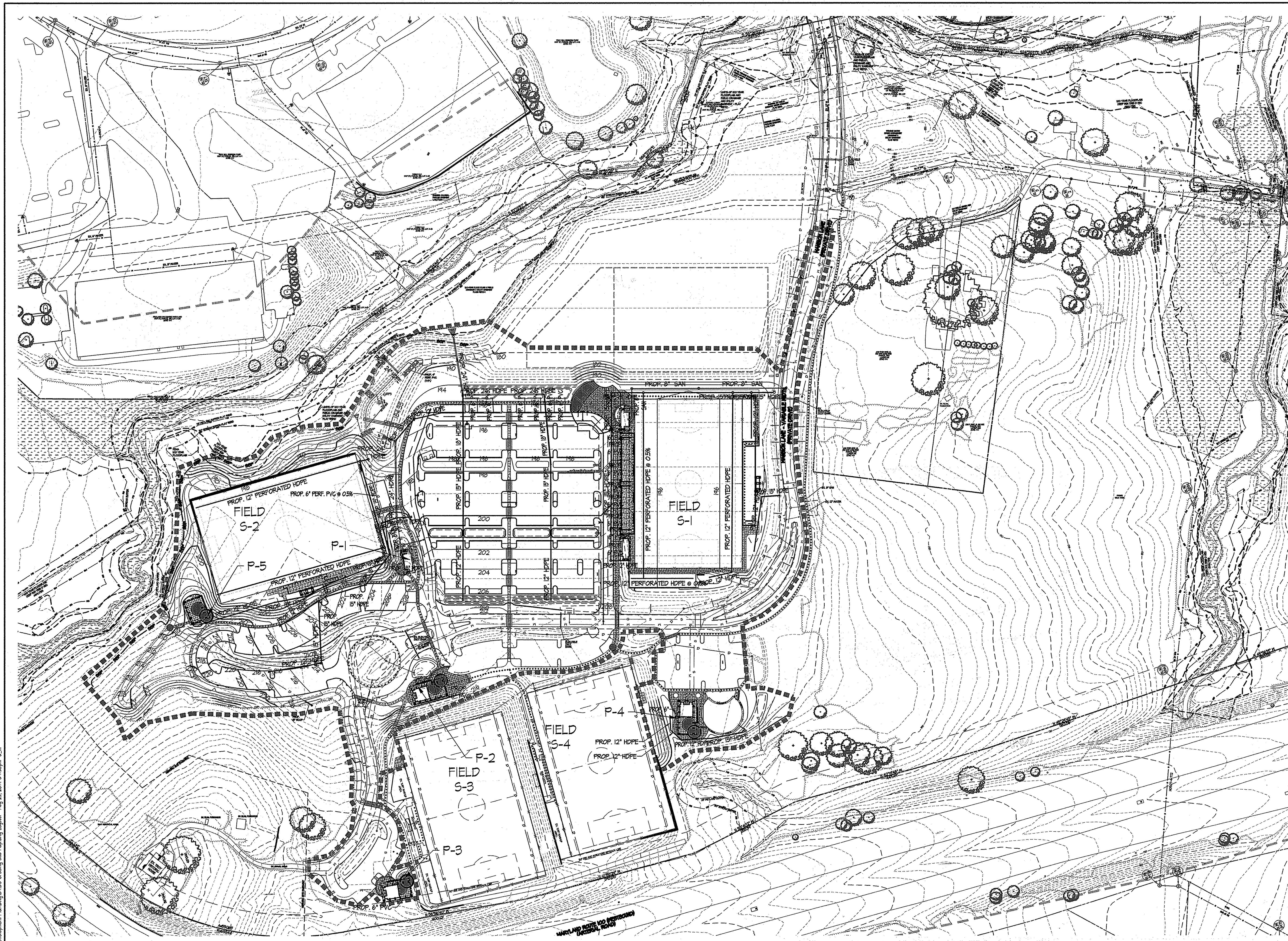
SITE RESOURCES
 INCORPORATED
 Comprehensive Land Planning & Site Design Services
 1815 Annapolis Pike • Poolesville, Maryland 21134
 (410) 682-3338 • Fax: (410) 682-3339



DES:	JLT
DRN:	JLT/AM
CHK:	AFE
DATE:	08/11/14
BY:	NO.
REVISION:	
DATE:	

STORM DRAIN DRAINAGE AREA MAP
 600' SCALE MAP NO. 51 BLOCK NO. 16

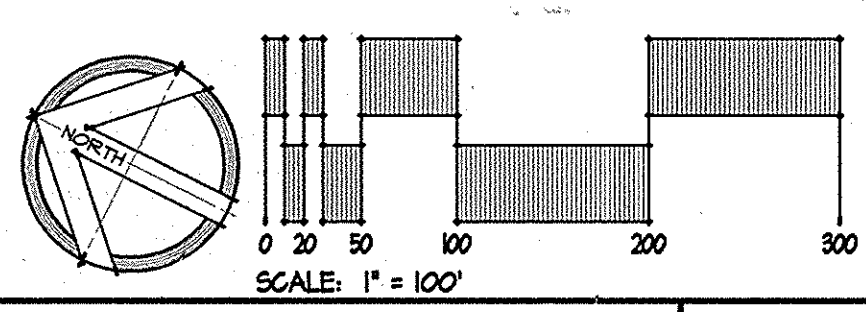
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND
 SHEET 28 OF 67
 SDP-14-033



VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO THIS DRAWING ONLY)

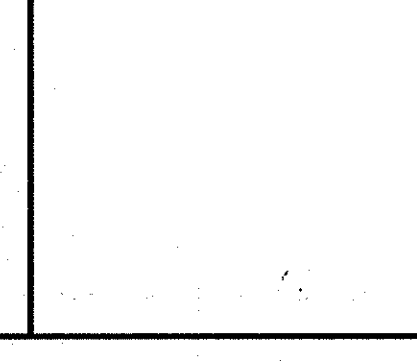
	PROPERTY LINE
	EXISTING CONTOURS
	EXISTING TREELINE
	EXISTING FOREST BUFFER
	EXISTING TREES
	EXISTING SHRUBS
	EXISTING WALK
	EXISTING ROAD
	EXISTING CURB
	EXISTING 15" SD STORM DRAIN
	EXISTING 6" WATER
	EXISTING 8" SANITARY SEWER
	EXISTING 2" GAS
	EXISTING 2" PROPANE
	EXISTING FUEL OIL
	EXISTING TELEPHONE
	EXISTING ELECTRIC
	EXISTING OVERHEAD ELECTRIC
	EXISTING LIGHTING
	EXISTING COMMUNICATIONS
	EXISTING CABLE TV
	EXISTING FIBER OPTIC
	EXISTING CHILLED WATER SUPPLY
	EXISTING CHILLED WATER RETURN
	EXISTING HOT WATER SUPPLY
	EXISTING HOT WATER RETURN
	EXISTING FENCE
	EXISTING GUARDRAIL



APPROVED: DEPARTMENT OF PLANNING & ZONING
 [Signature] 5/14/14 DATE
 DIRECTOR
 [Signature] 9-3-14 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 7-18-14 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 PARCELS 245, 242, 236, 192, 189, 188, 187, 186 LOT A-21, 185 LOT A-22
 ADDRESS: 8400 HANSON LANE
 LOTS 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40
 GRID 11 F, 12 F, 13 F, 14 F, 15 F, 16 F, 17 F, 18 F, 19 F, 20 F, 21 F, 22 F, 23 F, 24 F, 25 F, 26 F, 27 F, 28 F, 29 F, 30 F, 31 F, 32 F, 33 F, 34 F, 35 F, 36 F, 37 F, 38 F, 39 F, 40 F
 WATER CODE: 400; SEWER CODE: 202200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 312-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 312-2100

SITE RESOURCES
 INCORPORATED
 Comprehensive Land Planning & Site Design Services
 14315 Annetville Pike • Poolesville, Maryland 21131
 (410) 683-3383 • fax (410) 683-3389



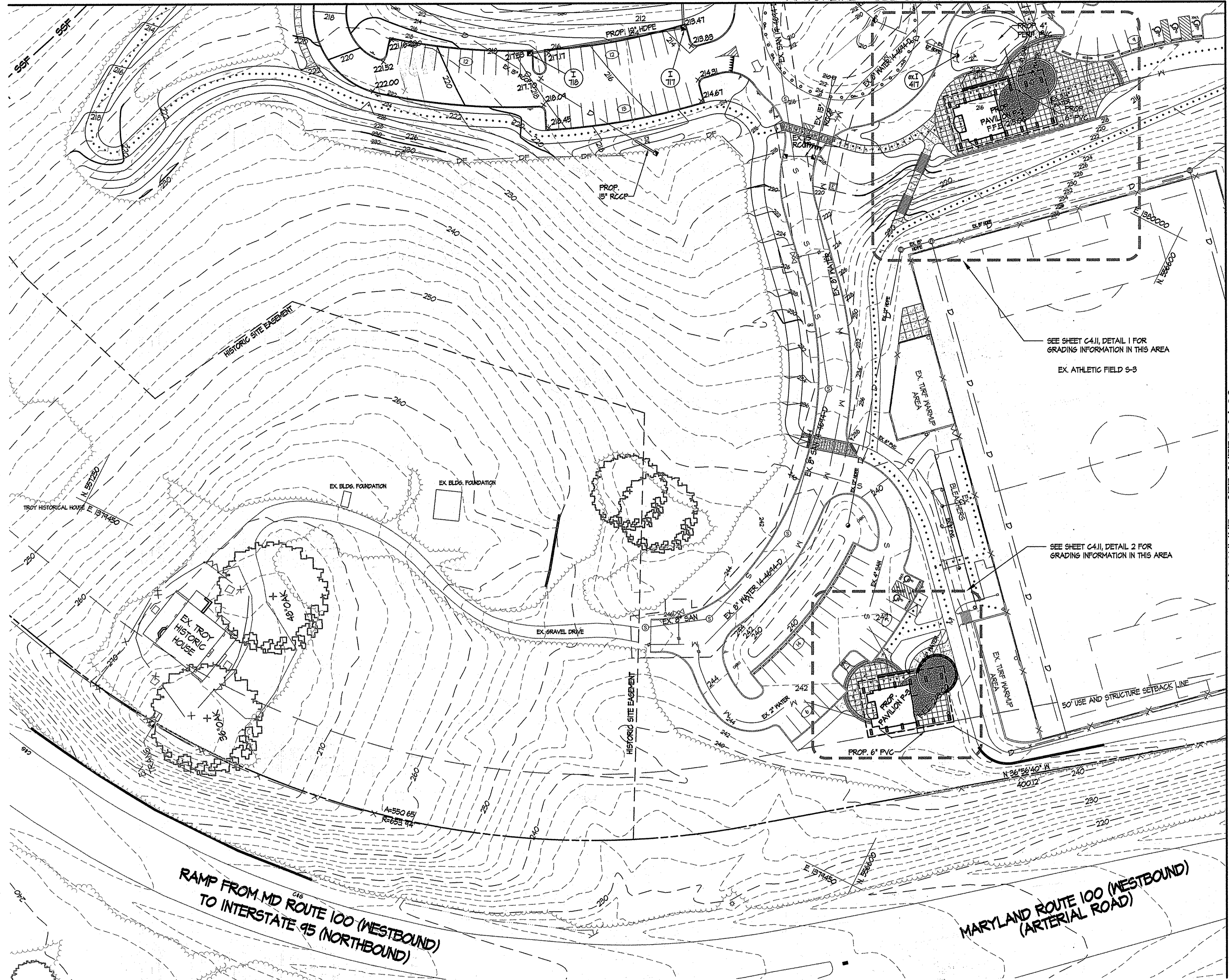
DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14

NO.	REVISION	DATE

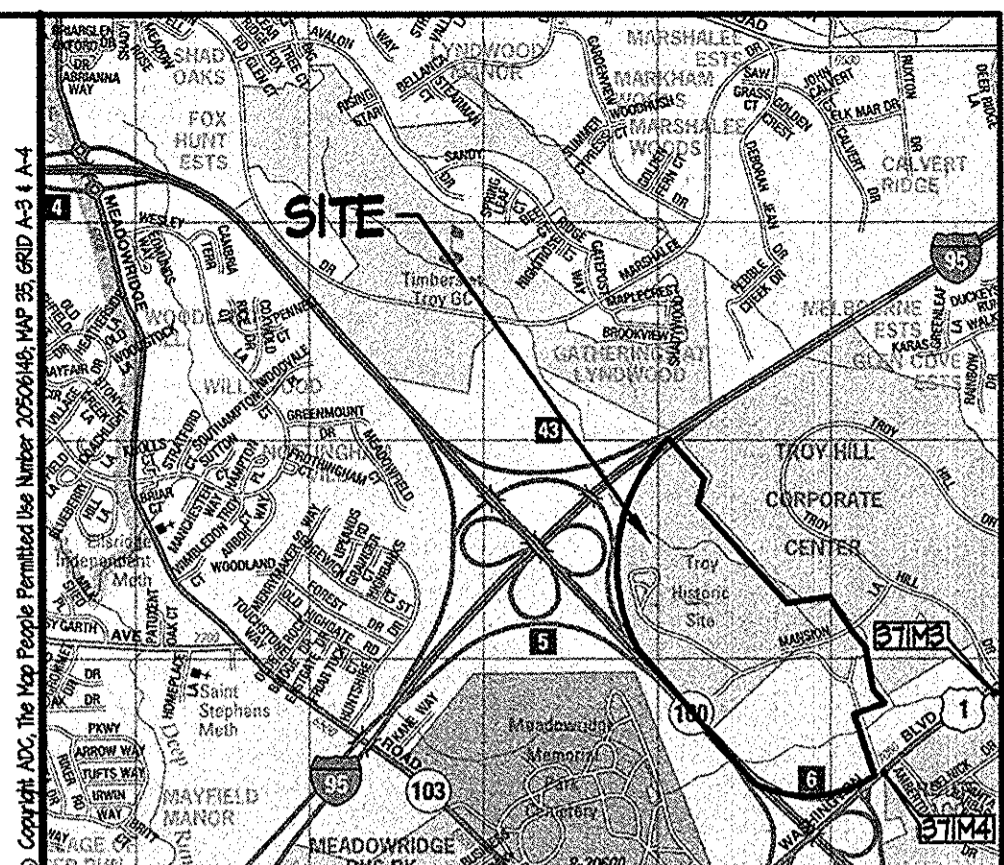
GRADING SITE MAP
 SCALE: 600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3451 HOWARD COUNTY, MARYLAND
 SHEET 24 OF 61
 SCALE: 1"=100'
 SDP-14-033

MATCHLINE - SEE SHEET C4.03



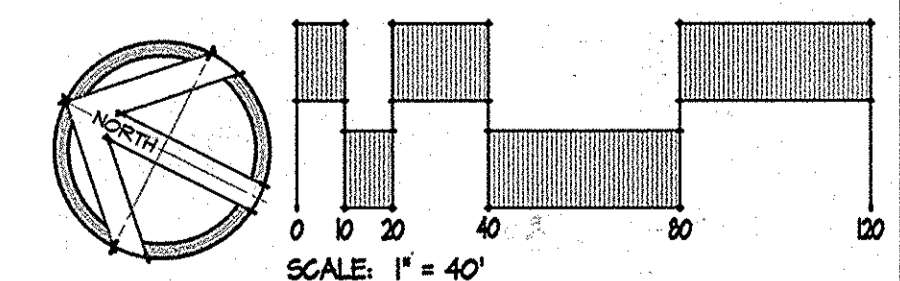
MATCHLINE - SEE SHEET C4.02



VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO DRAWINGS C4.01 THROUGH C4.06 ONLY)

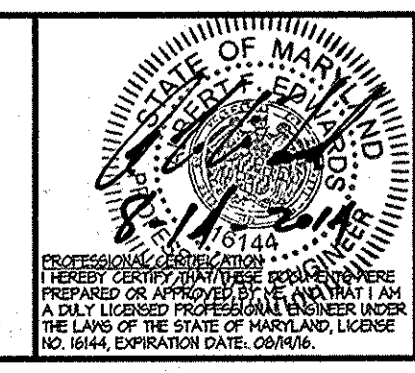
- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING FOREST BUFFER
- EXISTING TREES
- EXISTING SHRUBS
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING STORM DRAIN
- EXISTING WATER
- EXISTING SANITARY SEWER
- EXISTING GAS
- EXISTING PROPANE
- EXISTING FUEL OIL
- EXISTING TELEPHONE
- EXISTING ELECTRIC
- EXISTING OVERHEAD ELECTRIC
- EXISTING LIGHTING
- EXISTING COMMUNICATIONS
- EXISTING CABLE TV
- EXISTING FIBER OPTIC
- EXISTING CHILLED WATER SUPPLY
- EXISTING CHILLED WATER RETURN
- EXISTING HOT WATER SUPPLY
- EXISTING HOT WATER RETURN
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING FLAGPOLE
- EXISTING BUILDING
- EXISTING WETLANDS
- WETLAND BUFFER
- EXISTING STREAM



2:10/0002-Troy Park Phase II Site Development Planning C4.02 Grading Plan - August 13, 2014 12:58pm - JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING	
<i>J. D. Cagle</i>	9/18/14
DIRECTOR	DATE
<i>Carl Edl</i>	9/3/14
CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE
<i>W. Stedman</i>	9/18/14
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE

SITE RESOURCES
 incorporated
 Comprehensive Land Planning & Site Design Services
 1815 Arundell Mills • Pikesville, Maryland 21111
 (410) 681-3388 • Fax (410) 681-3389



DES: JLT				
DRN: JLT/AM				
CHK: AFE				
DATE: 08/14/14	BY:	NO.	REVISION	DATE

GRADING PLAN	
600' SCALE MAP NO. 51	BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

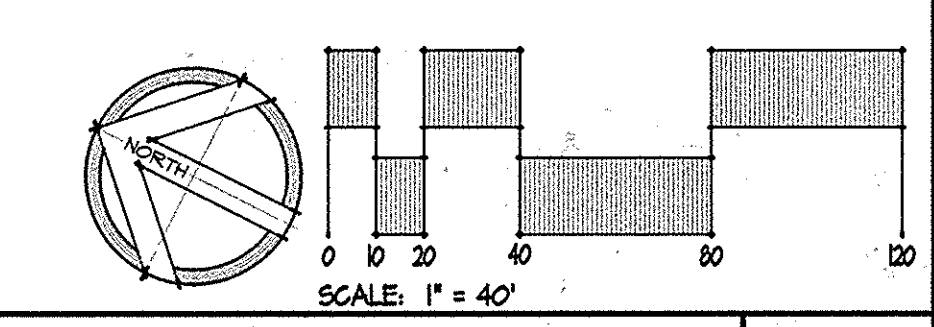
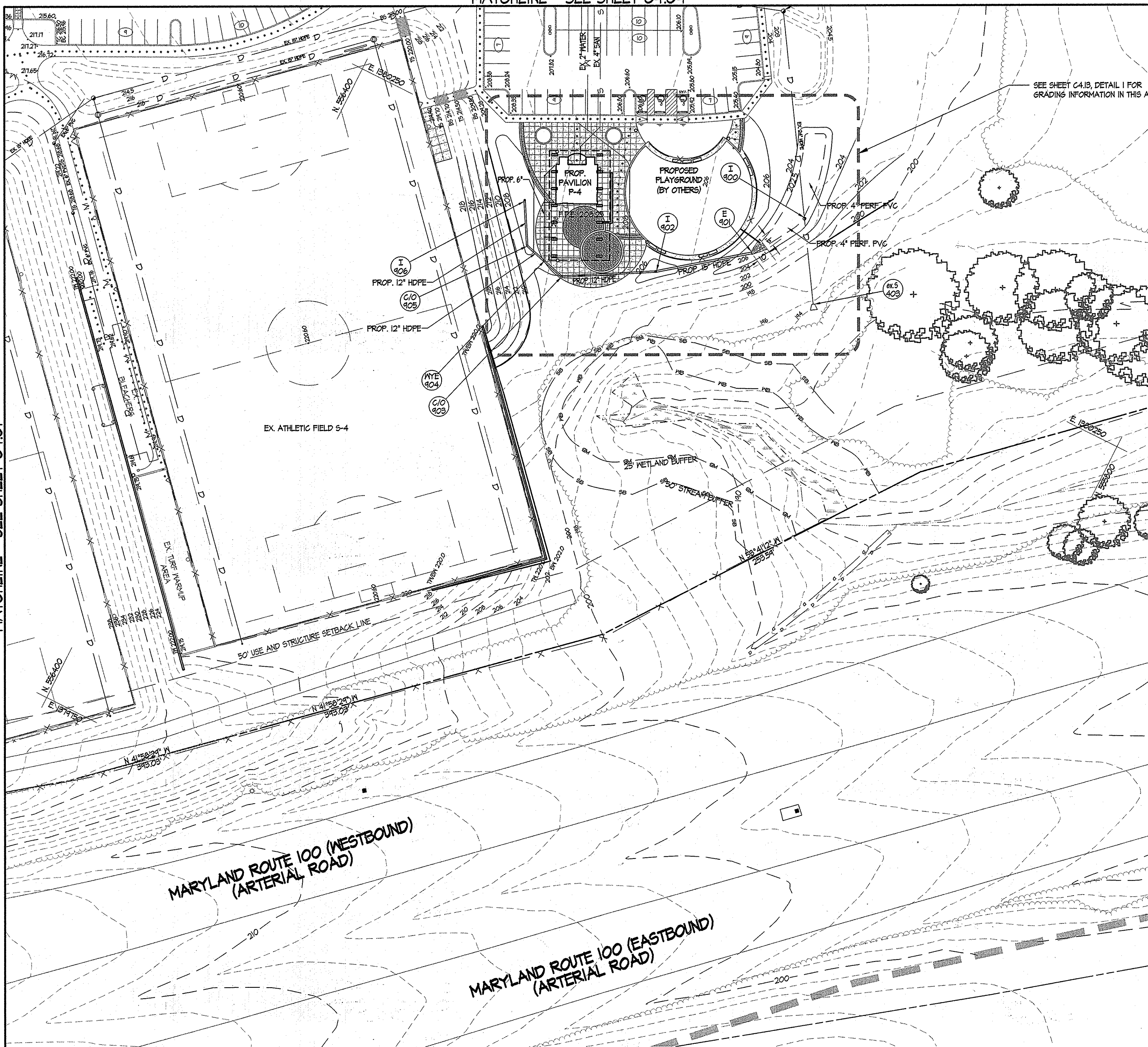
CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND

SCALE: 1"=40'
C4.01
 SHEET 30 OF 61
 SDF-14-033

MATCHLINE - SEE SHEET C4.04

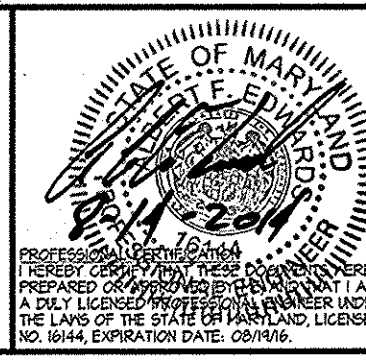
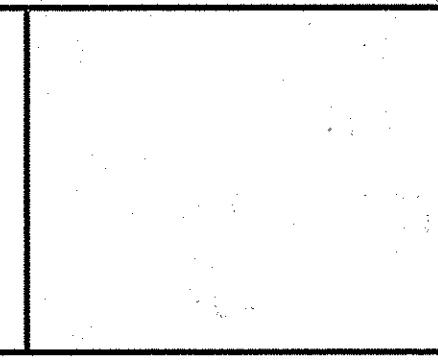
SEE SHEET C4.13, DETAIL I FOR GRADING INFORMATION IN THIS AREA

MATCHLINE - SEE SHEET C4.01



APPROVED: DEPARTMENT OF PLANNING & ZONING
 [Signature]
 DIRECTOR
 DATE 9/10/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature]
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE 9/8/14

ADDRESS / PERMIT INFORMATION
 PARCELS: 361, 343, 342, 354, 103, 105, 107 LOT A-21, 109 LOT A-22
 ADDRESS: 6400 MANSION LANE
 LOTS 77, 74, 73, 72, 71, 70, 69, 68, 67, 66, 65, 64, 63, 62, 61, 60, 59, 58, 57, 56, 55, 54, 53, 52, 51, 50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37, 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1
 GRID 11 & 12, ZONE M4, TAX MAP NO. 31
 IN ELECTION DISTRICT, GENESIS TRACT 603.02
 WATER CODE: 400, SEWER CODE: 2152200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 313-2700
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 313-2700

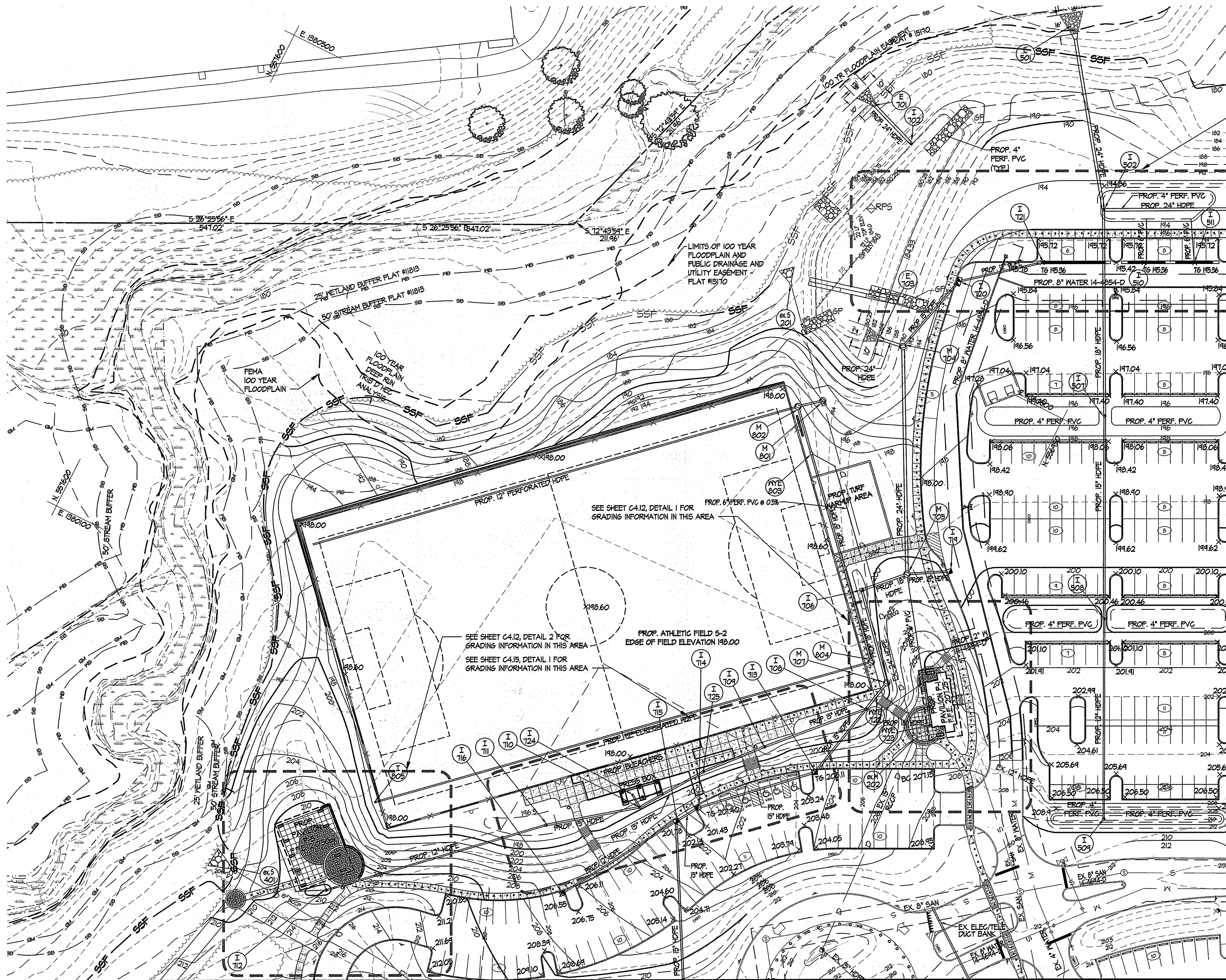


DES:	JLT				
DRN:	JLT/AM				
CHK:	AFE				
DATE:	08/14/14	BY:	NO.	REVISION	DATE

600' SCALE MAP NO. 51		BLOCK NO. 16	
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TROY PARK - PHASE TWO			
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22			
CAPITAL PROJECT NO. N-3457	HOWARD COUNTY, MARYLAND	SCALE: 1" = 40'	C4.02
			SHEET 31 OF 67

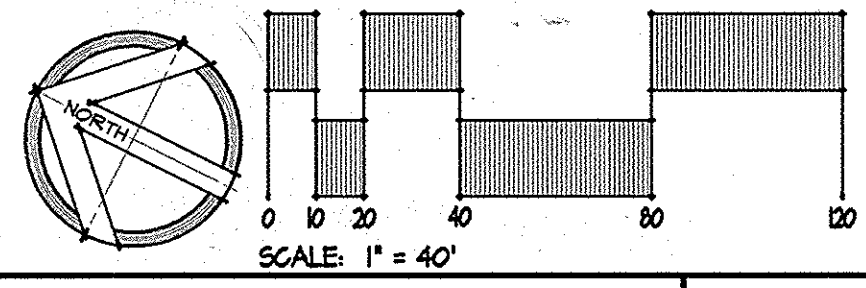
T:\101002-1703 Plan Phase II Site Development Plan\Grading\Grading Plan\DC-03.dwg Aug 13, 2014 12:14pm JLT



SEE SHEET C4.15, DETAIL 1 FOR GRADING INFORMATION IN THIS AREA

MATCHLINE - SEE SHEET 4.04

MATCHLINE - SEE SHEET 4.01



APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature]
 DIRECTOR
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 CHIEF, DIVISION OF LAND DEVELOPMENT

DATE: 9/14/14
 DATE: 9-3-14
 DATE: 9-18-14

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 14315 Arrettsville Pike • Poolesville, Maryland 21131
 (410) 683-3388 • Fax (410) 683-3389

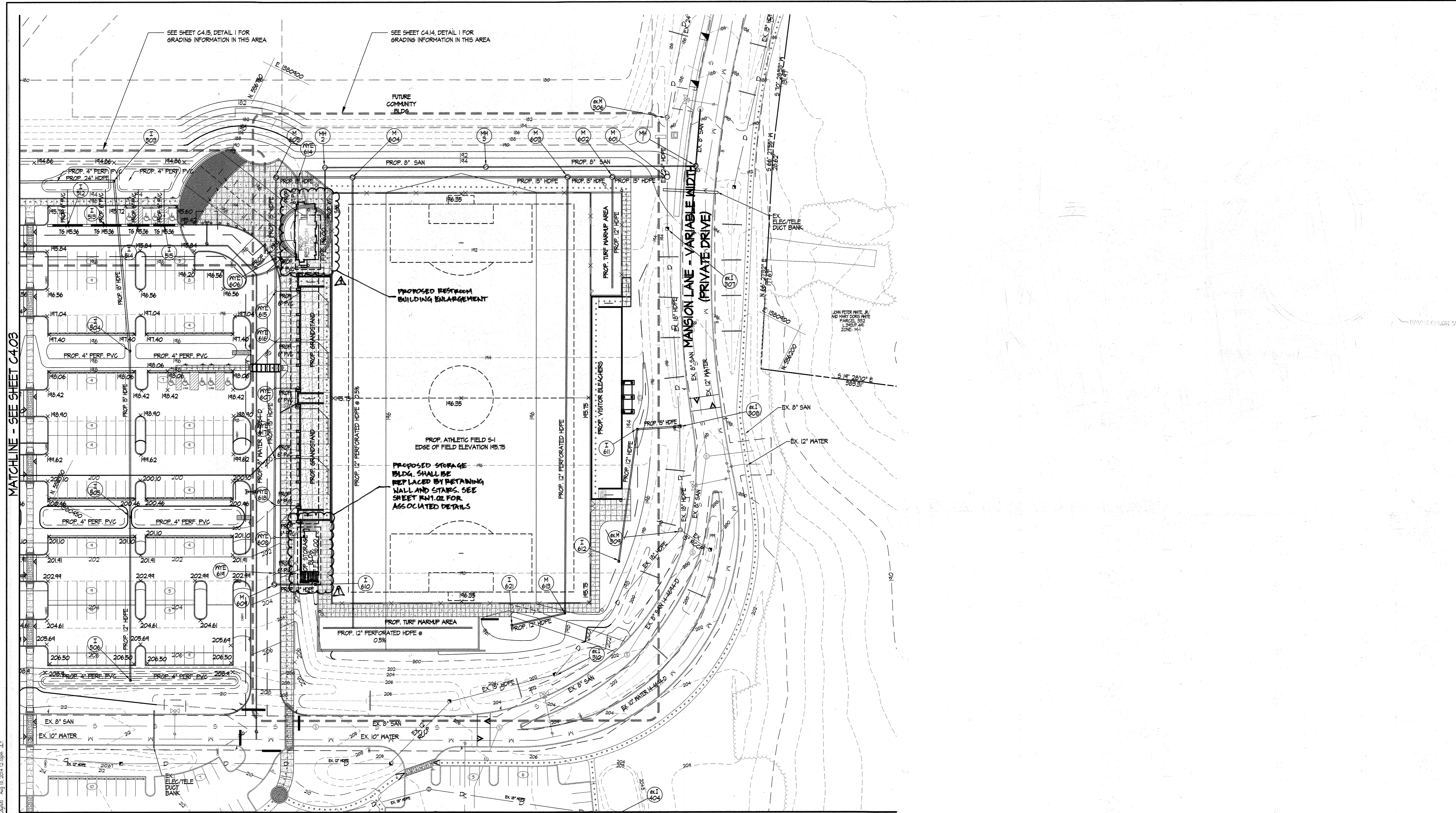
DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14

BY	NO.	REVISION	DATE

GRADING PLAN
 600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 40'
C4.03
 SHEET 32 OF 61
 SDP-14-033

T:\010025-Troy Park Phase II Site Development\Plan\SDP-14-033 Grading.dwg: Aug 25, 2014 04:48pm E:\...



APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature]
DIRECTOR

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature]
CHIEF, DIVISION OF LAND DEVELOPMENT

DATE: 9-3-14

DATE: 9-16-14

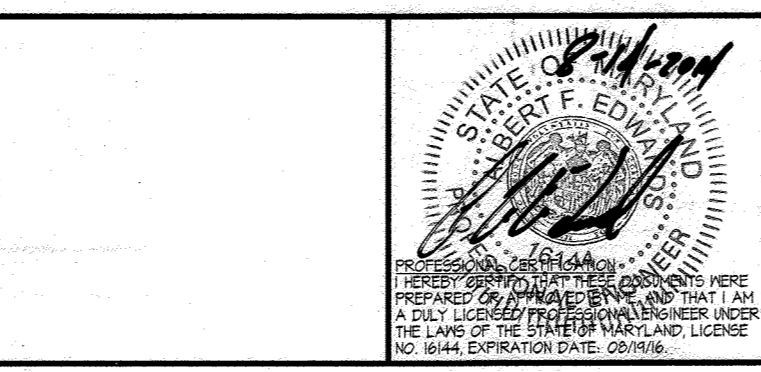
ADDRESS / PERMIT INFORMATION

PARCELS 384, 385, 382, 383, 386, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

SITE RESOURCES
INCORPORATED

Comprehensive Land Planning & Site Design Services

1616 Jermantown Pike • Pikesville, Maryland 21118
(410) 885-3388 • Fax: (410) 885-3389



DES: JLT	SR1	BUILDING REVISIONS	9/16/14
DRN: JLT/AM			
CHK: AFE			
DATE: 09/16/14			
BY: NO.	REVISION	DATE	600' SCALE MAP NO. 51 BLOCK NO. 16

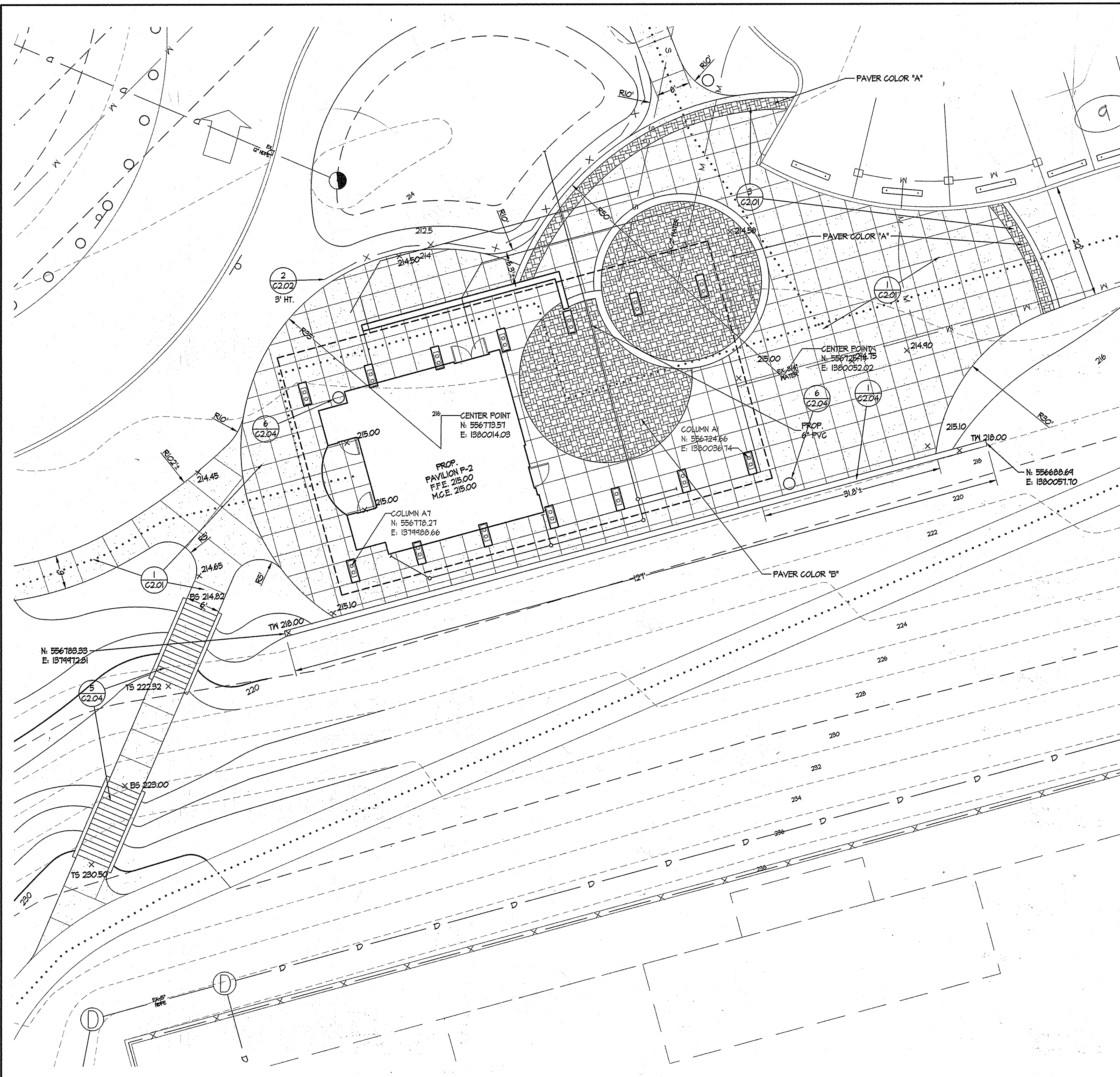
SCALE: 1" = 40'

GRADING PLAN

TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE 111B PARCELS A-21 AND A-22

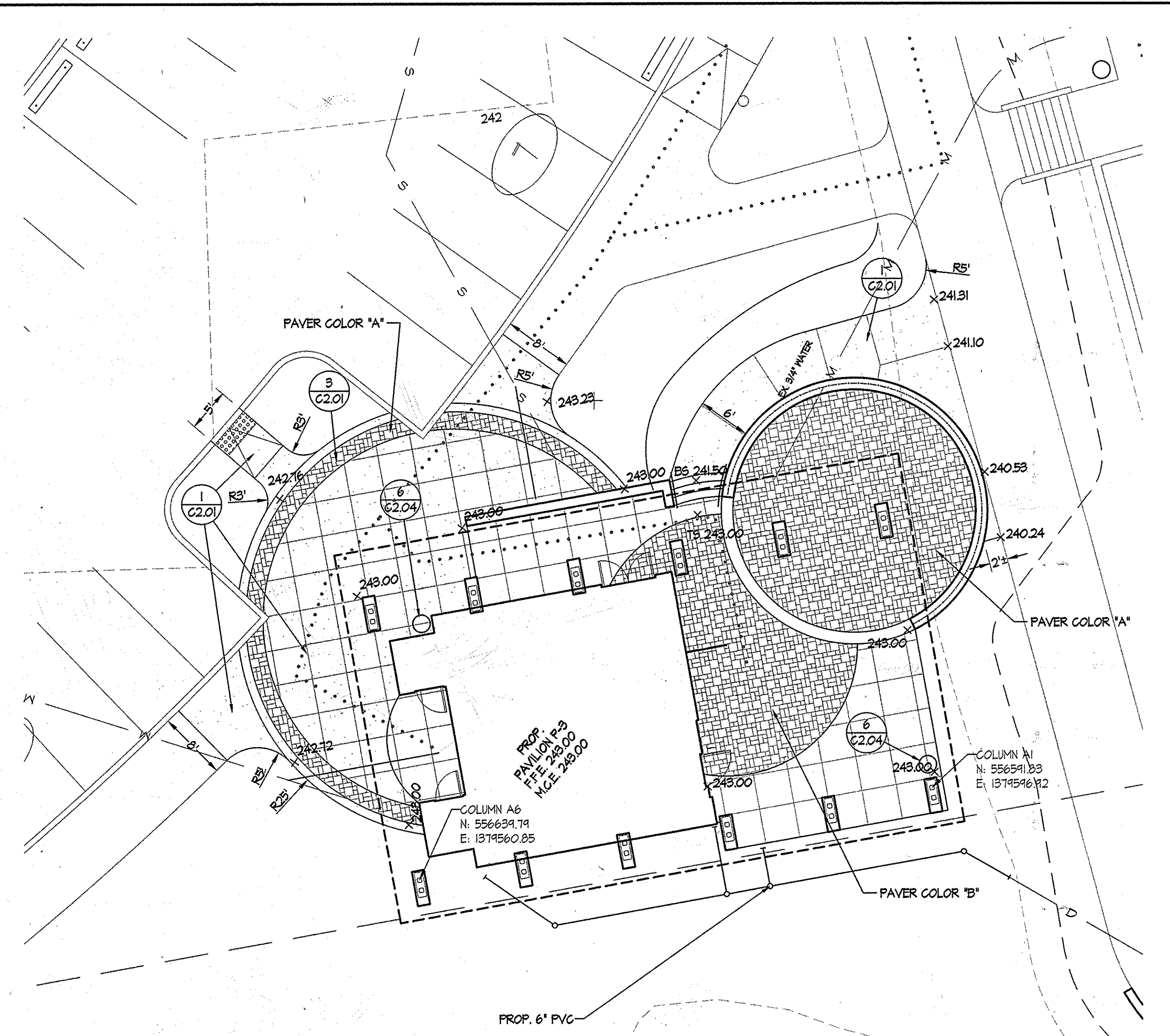
CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND

SCALE: 1" = 40'
C4.04
SHEET 33 OF 61
SDP-14-033



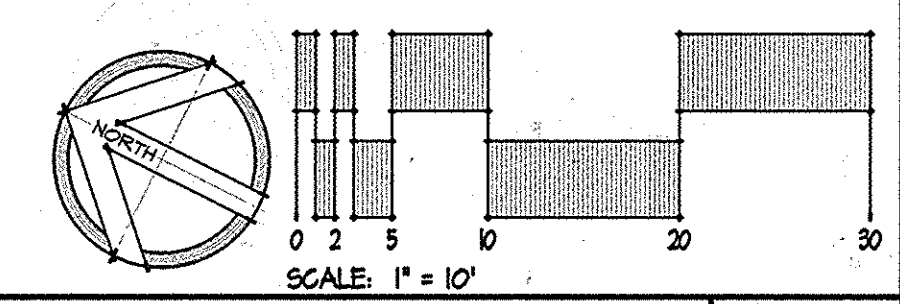
1 DETAIL PLAN @ PAVILION 2

SCALE: 1"=10'








2 DETAILED PLAN @ PAVILION 3

SCALE: 1"=10'

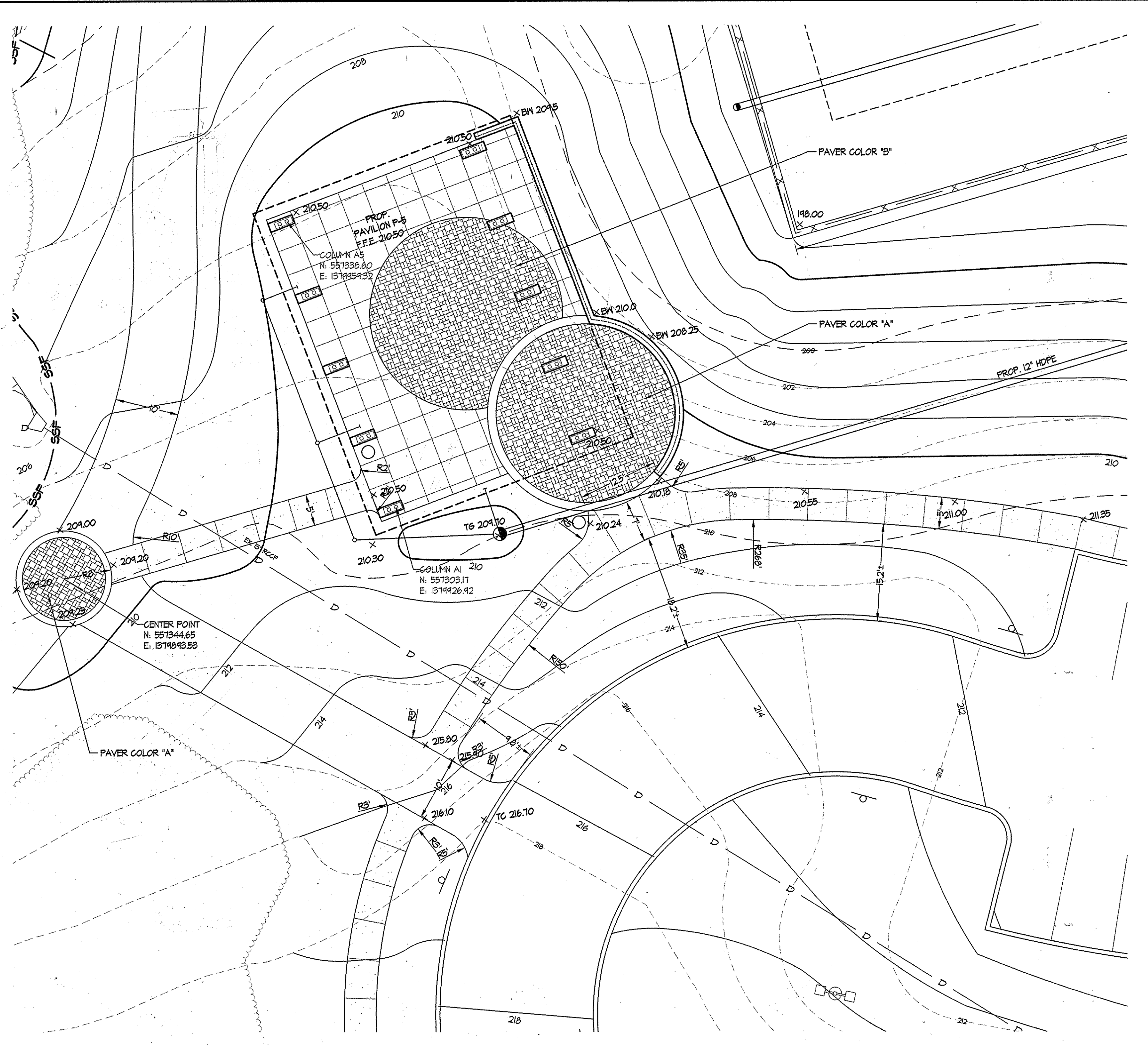


T:\030002-Proj-Phase II Site Development\Plan\030002-1 Detail Layout 1 Grading Plan.dwg - Aug 13, 2014 12:58pm - JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING  DIRECTOR  CHIEF, DEVELOPMENT ENGINEERING DIVISION  CHIEF, DIVISION OF LAND DEVELOPMENT		DATE 9/16/14 DATE 9-3-14 DATE 9-18-14		ADDRESS / PERMIT INFORMATION PARCEL: 201 345 342 336 160 155 155 LOT A-21, 155 LOT A-22 ADDRESS: 600 MANSION LANE L571 / F44, L2559 / F351, L2229 / F340, L5193 / F600, L534 / F178, L4953 / F431, L4953 / F490, L4953 / F490 GRID 11 & 12, ZONE: M4, TAX MAP NO. 31 IN ELECTION DISTRICT: CONGRESSIONAL TRACT 6012.02 WATER CODE: 400, SEWER CODE: 2152200 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 388-2100 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 388-2100		 SITE RESOURCES INCORPORATED Comprehensive Land Planning & Site Design Services 1415 Arrettable Pike • Phoenix, Maryland 21151 (410) 692-3388 • fax (410) 692-3389		 DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14		DETAIL LAYOUT & GRADING PLAN 600' SCALE MAP NO. 51 BLOCK NO. 16		TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND		SCALE: 1"=10' C4.11 SHEET 34 OF 61 SDP-14-033
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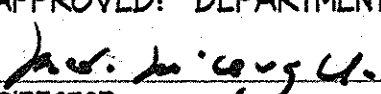

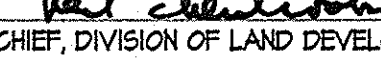


① DETAIL PLAN @ PAVILION 1
SCALE: 1"=10'

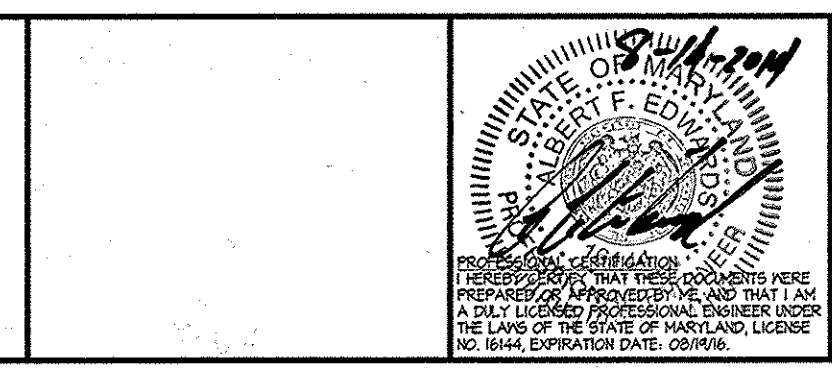


② DETAIL PLAN @ PAVILION 5
SCALE: 1"=10'

2:\0\0002-210g Plan Phase II Site Development Plan\02\12 Detail Layout & Grading Plan\02-12.dwg Aug 19 2014 12:10pm JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING

 DIRECTOR

 CHIEF, DEVELOPMENT ENGINEERING DIVISION

 CHIEF, DIVISION OF LAND DEVELOPMENT

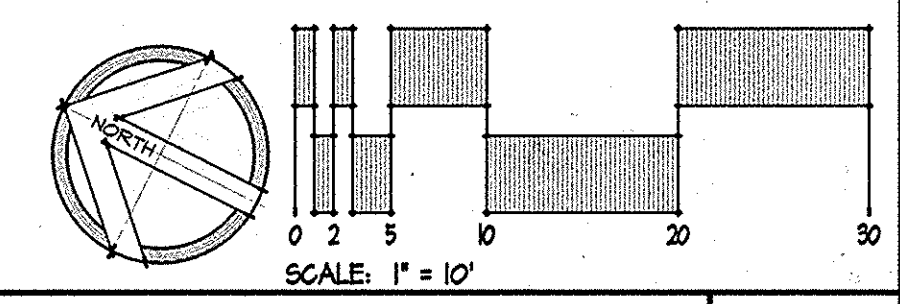
ADDRESS / PERMIT INFORMATION
 PARCELS: 185, 186, 187, 188, 189, 190 LOT A-21, 191 LOT A-22
 ADDRESS: 6400 MANSION LANE
 LOTS: 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS

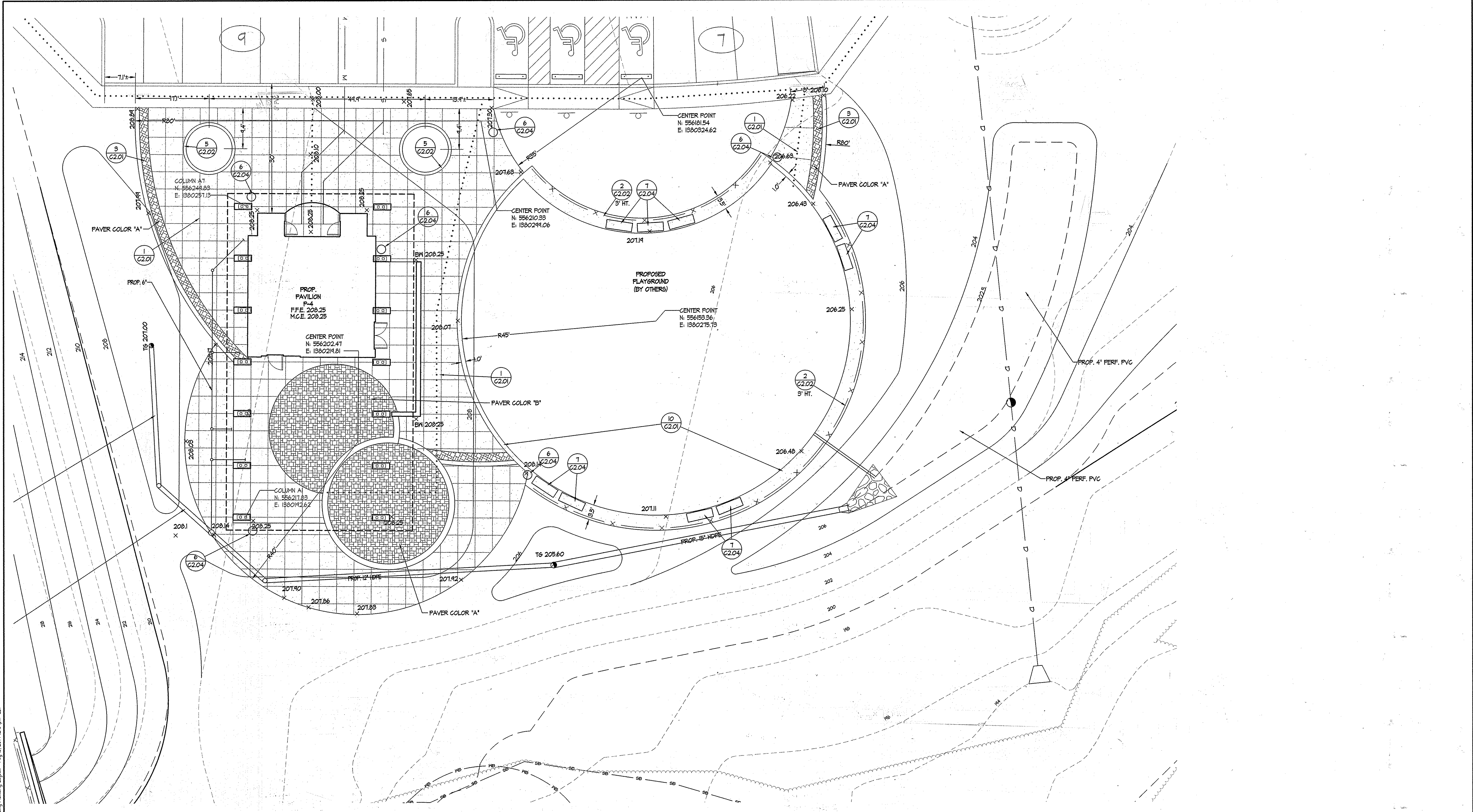


DES:	JLT	BY:	NO.	REVISION	DATE
DRN:	JLT/AM	BY:	NO.	REVISION	DATE
CHK:	AFE	BY:	NO.	REVISION	DATE
DATE:	08/14/14	BY:	NO.	REVISION	DATE

DETAIL LAYOUT & GRADING PLAN
 600' SCALE MAP NO. 51 BLOCK NO. 16

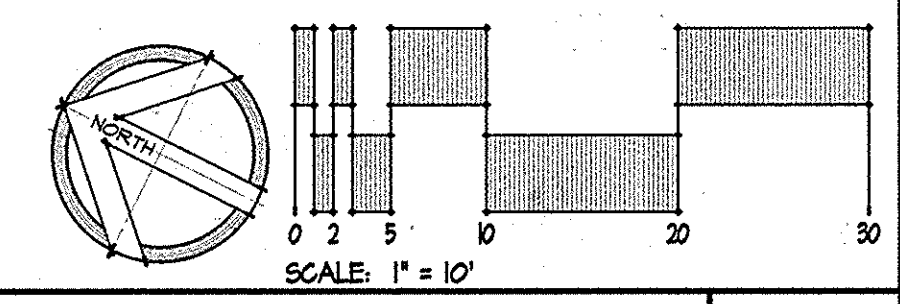
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SHEET 35 OF 67
 SDP-14-033



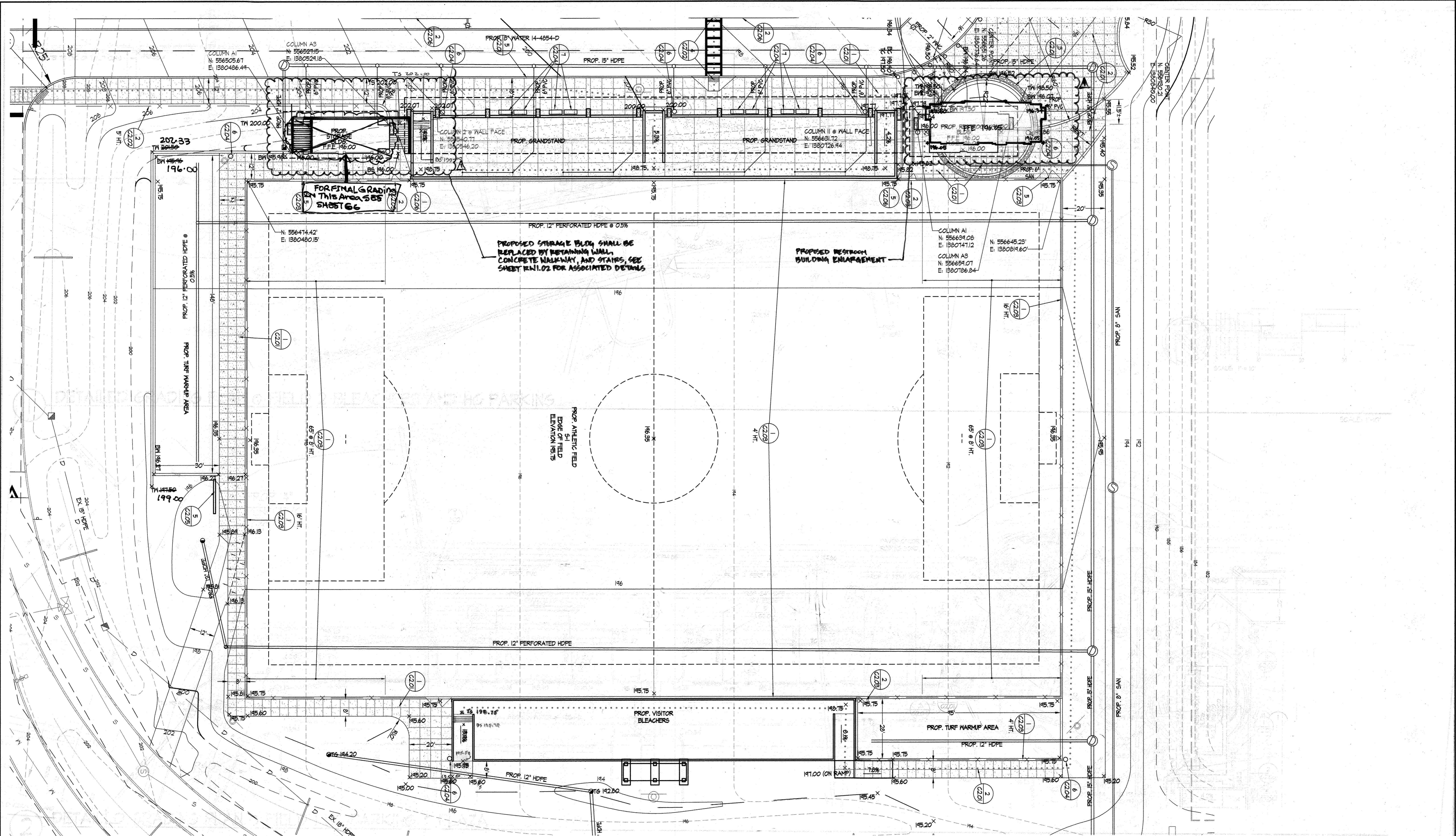


1 DETAILED GRADING PLAN @ PAVILION 4 AND PLAYGROUND

SCALE: 1"=10'

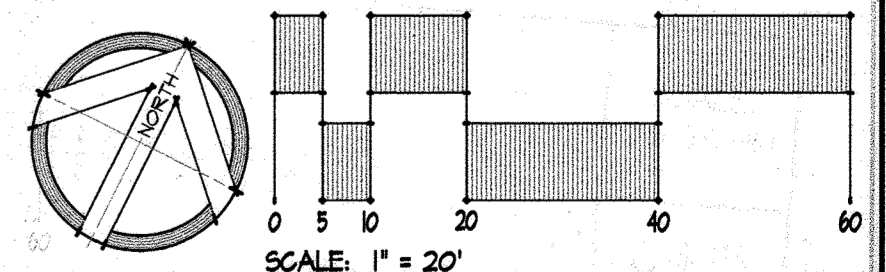


APPROVED: DEPARTMENT OF PLANNING & ZONING <i>[Signature]</i> 9/12/12 DATE DIRECTOR <i>[Signature]</i> 9:34 DATE CHIEF, DEVELOPMENT ENGINEERING DIVISION NY <i>[Signature]</i> 9:18/14 DATE CHIEF, DIVISION OF LAND DEVELOPMENT qb		ADDRESS / PERMIT INFORMATION PARCEL: 851 345 342 336 162 185 189 193 LOT A-21, 195 LOT A-22 ADDRESS: 6400 MANSION LANE LOTS 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100 GRID 11 & 12, ZONE: M4, TAX MAP NO. 37 IN ELECTION DISTRICT: CENSUS TRACT 602.02 WATER CODE: 400, SEWER CODE: 262200 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 388-2700 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 388-2700		 SITE RESOURCES Incorporated Comprehensive Land Planning & Site Design Services 1415 Arrettonville Pike • Pikesville, Maryland 21118 (410) 882-3388 • Fax (410) 882-3389		 DES: JLT PRN: JLT/AM CHK: AFE DATE: 08/14/14		600' SCALE MAP NO. 51 BLOCK NO. 16 DETAIL LAYOUT & GRADING PLAN		TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND		SCALE: 1"=10' C4.13 SHEET 36 OF 67 SDP-14-033	
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1 DETAILED GRADING PLAN @ FIELD #1

SCALE: 1" = 20'



APPROVED: DEPARTMENT OF PLANNING & ZONING
J. S. McCarty 9/16/14
 DIRECTOR DATE
Paul E. ... 9-3-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
K. ... 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

ADDRESS / PERMIT INFORMATION
 PARCEL 09, 09, 09, 09 LOT A-21, 09 LOT A-22
 ADDRESS: 6490 MANSION LANE
 LOTS 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
 GRID IT 1 IS ZONE M-1, TAX MAP NO. 37
 WATER CODE: 400, SEWER CODE: 202200
 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1100 OAKLAND MILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 326-2300
 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1100 OAKLAND MILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 326-2300

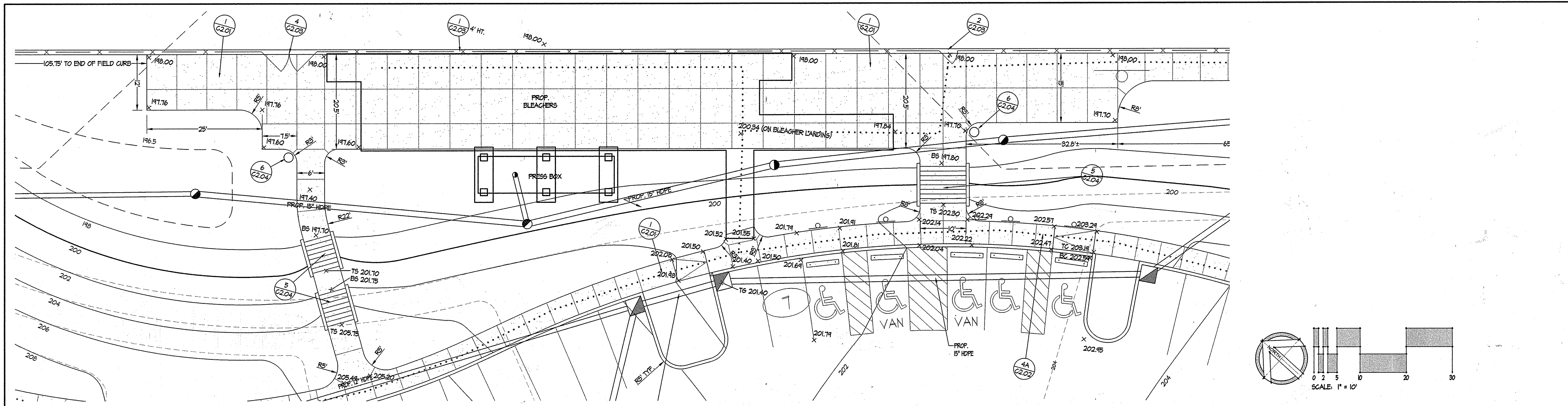
SITE RESOURCES
 INCORPORATED
 Comprehensive Land Planning & Site Design Services
 1615 Armeton Pike • Pikesville, Maryland 21111
 (410) 885-3388 • Fax (410) 885-3389

STATE OF MARYLAND
 DEPARTMENT OF PERMITS
 PROFESSIONAL ENGINEER
 JOHN J. ...
 LICENSE NO. ...
 EXPIRES ...

DES: JLT	DATE: 08/14/14
DRN: JLT/AM	
CHK: AFE	
BY: NO.	REVISION
DATE	DATE

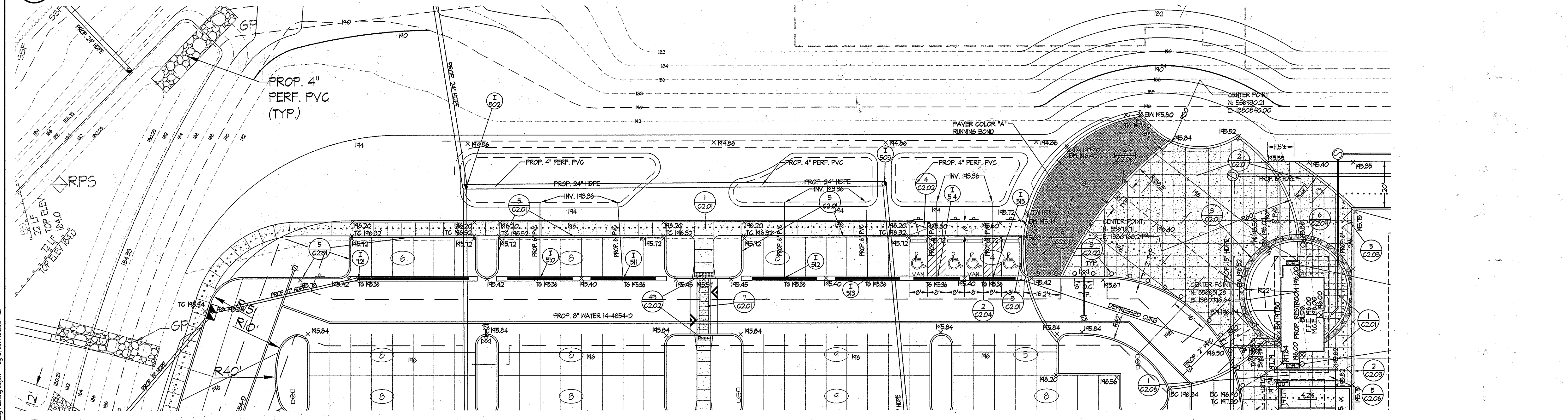
BUILDING REMOVALS		9/14/14
DETAIL LAYOUT & GRADING PLAN		
600' SCALE MAP NO.	51	BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 20'
 SHEET 37 OF 61
 SDP-14-033



1 DETAILED GRADING PLAN @ FIELD 2 BLEACHERS AND HC PARKING

SCALE: 1" = 10'

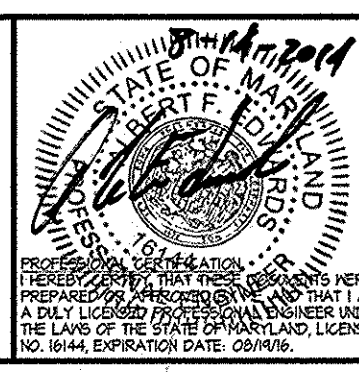
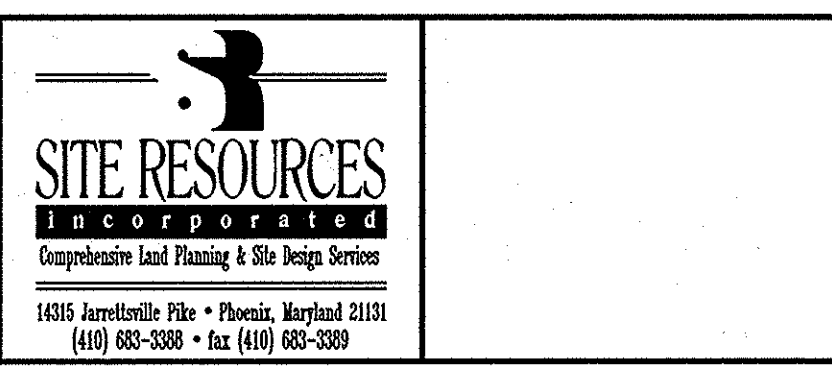


2 DETAILED GRADING PLAN @ FIELD 1 HC PARKING & PLAZA

SCALE: 1" = 20'

APPROVED: DEPARTMENT OF PLANNING & ZONING
 J. A. G. G... 9/16/14
 DIRECTOR DATE
 A. J. Ehr... 9/5/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION NY DATE
 V. K... 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

ADDRESS / PERMIT INFORMATION
 PARCEL: 151 545 542 536 142 185 155 LOT A-21, 155 LOT A-22
 ADDRESS: 6400 MANSION LANE
 L811 / F44, L10259 / F351, L12209 / F340, L15709 / F1600,
 L1584 / F170, L1463 / F1431, L1463 / F1491, L1463 / F1490
 GRID 11 & 12, ZONE M4, TAX MAP NO. 37
 IN ELECTION DISTRICT: CENES TRACT 6012.02
 WATER CODE: 400, SEWER CODE: 2522200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 313-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 313-2100

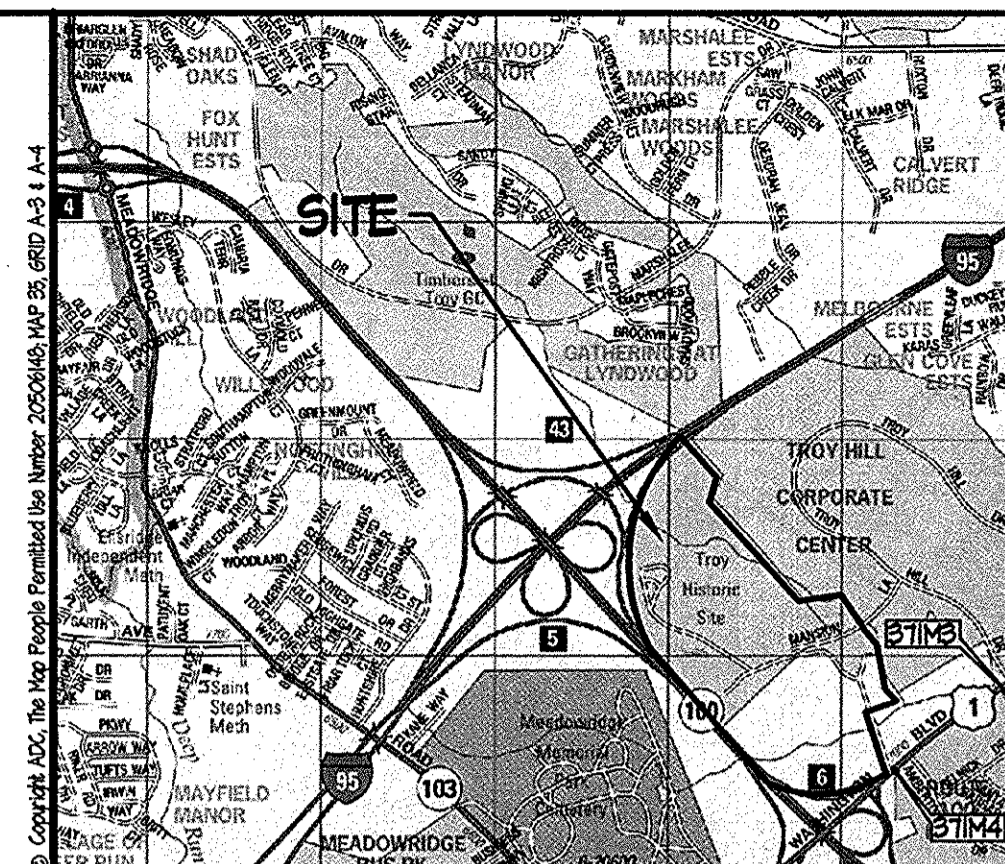
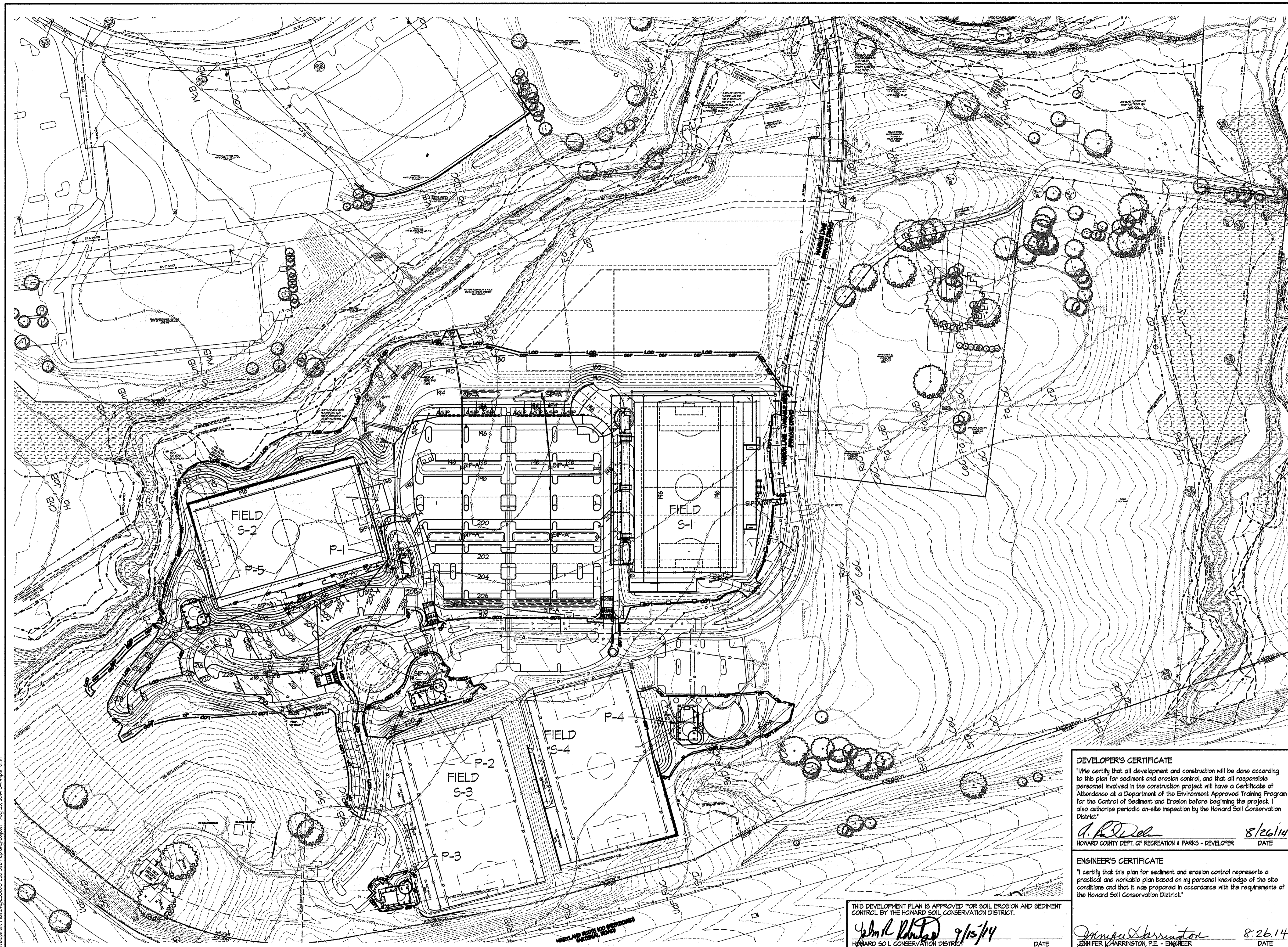


DES: JLT	BY:	NO:	REVISION:	DATE:
DRN: JLT/AM				
CHK: AFE				
DATE: 08/11/14				

DETAIL LAYOUT & GRADING PLAN	
600' SCALE MAP NO. 51	BLOCK NO. 16

TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22	
CAPITAL PROJECT NO. N-3457	HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN	C4.15
	SHEET 38 OF 61
	SDP-14-033

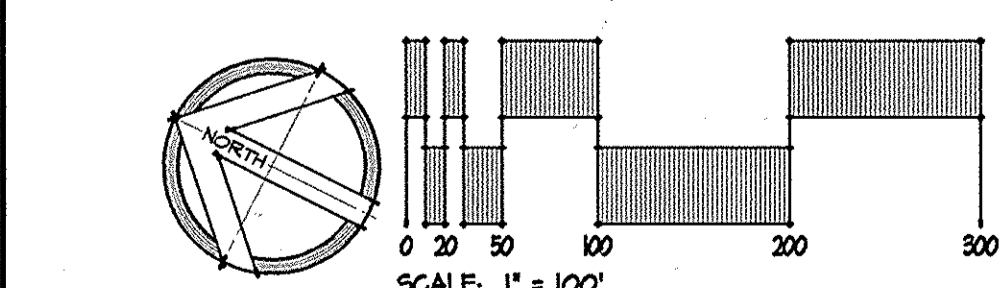
T:\1000020-Troy Park Phase II Site Development Plan\DWG\C4.15 Detail Layout & Grading Plan.dwg, Aug 12, 2014 12:05pm, JLT



VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO THIS DRAWING ONLY)

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING TREELINE
- EXISTING TREES
- EXISTING WALK
- EXISTING ROAD
- EXISTING STORM DRAIN
- EXISTING BUILDING
- EXISTING WETLANDS
- WETLAND BUFFER
- EXISTING STREAM
- EXISTING STREAM BUFFER
- EXISTING 100 YR FLOODPLAIN
- EXISTING SOILS
- PROPOSED WALK
- PROPOSED ROAD
- PROPOSED BUILDING
- SILT FENCE
- SUPER SILT FENCE
- DIVERSION FENCE
- INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM
- LIMIT OF DISTURBANCE
- PROPOSED STORM DRAIN



DEVELOPER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District!"
A. P. [Signature] 8/26/14
 HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER DATE

ENGINEER'S CERTIFICATE
 "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
Jennifer Harrington 8.26.14
 JENNIFER HARRINGTON, P.E. - ENGINEER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John R. [Signature] 9/15/14
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature] 9/15/14
 DIRECTOR DATE
[Signature] 9-18-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION NY DATE
[Signature] 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

ADDRESS / PERMIT INFORMATION
 PARCELS: 241, 242, 243, 244, 159, 158, 157, 156 LOT A-21, 155 LOT A-22
 ADDRESS: 6450 MAUNSLON LANE
 LST17 / F444, L10585 / F2951, L12205 / F2920, L5153 / F1600,
 L5241 / F170, L4833 / F481, L6353 / F420, L6185 / F1600,
 GRID 11 & 10, ZONE: M-1, TAX MAP NO. 31
 104 ELECTION DISTRICT, CONSERVATION TRACT 16022
 WATER CODE: 400, SEWER CODE: 282200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 14315 Annettsville Pike • Pikesville, Maryland 21113
 (410) 883-3388 • fax (410) 883-3389

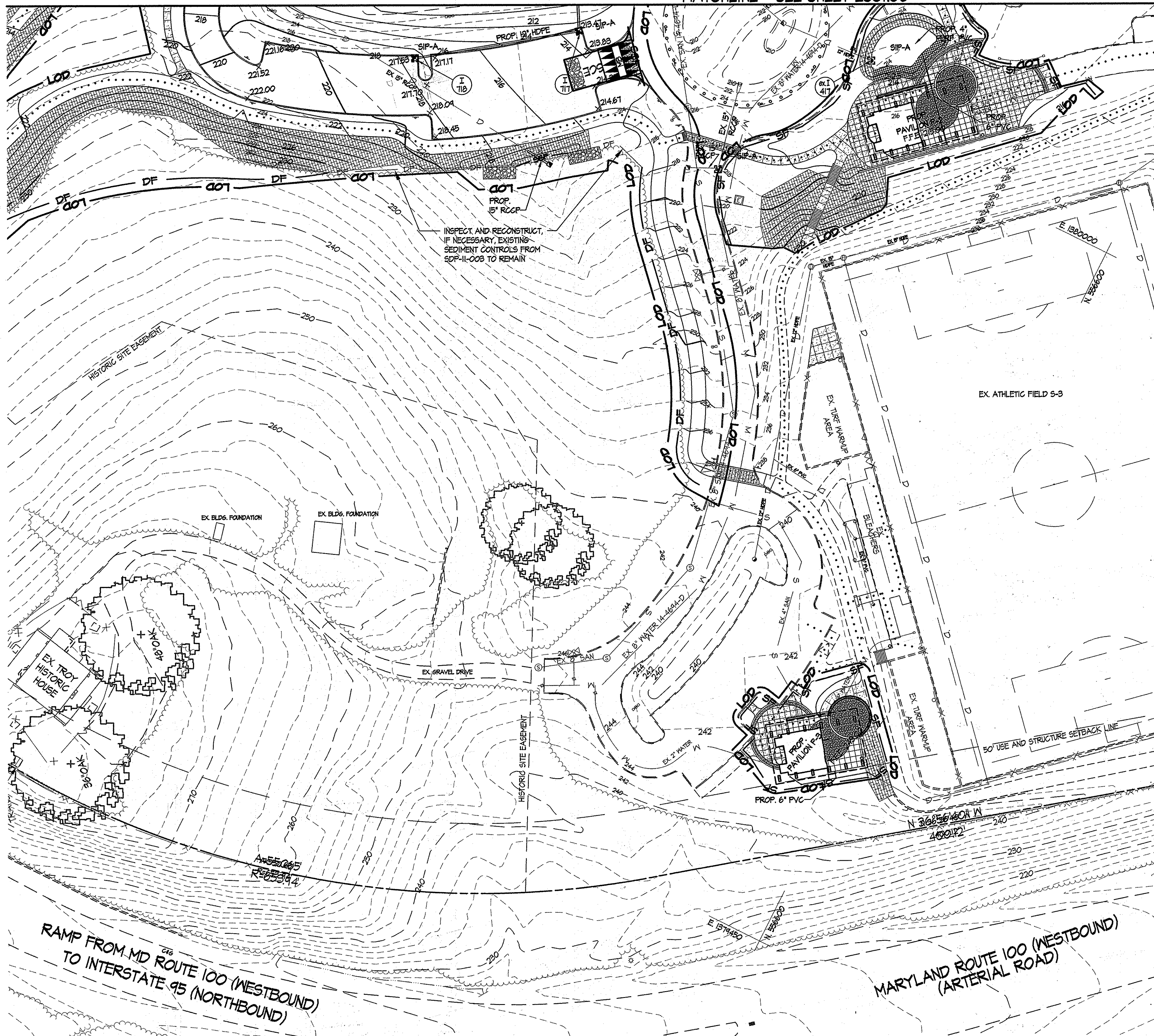
DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14

BY	NO.	REVISION	DATE

EROSION AND SEDIMENT CONTROL SITE MAP
 600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND
 SHEET 34 OF 61
 SCALE: 1"=40'
 E5C1.00
 SDP-14-033

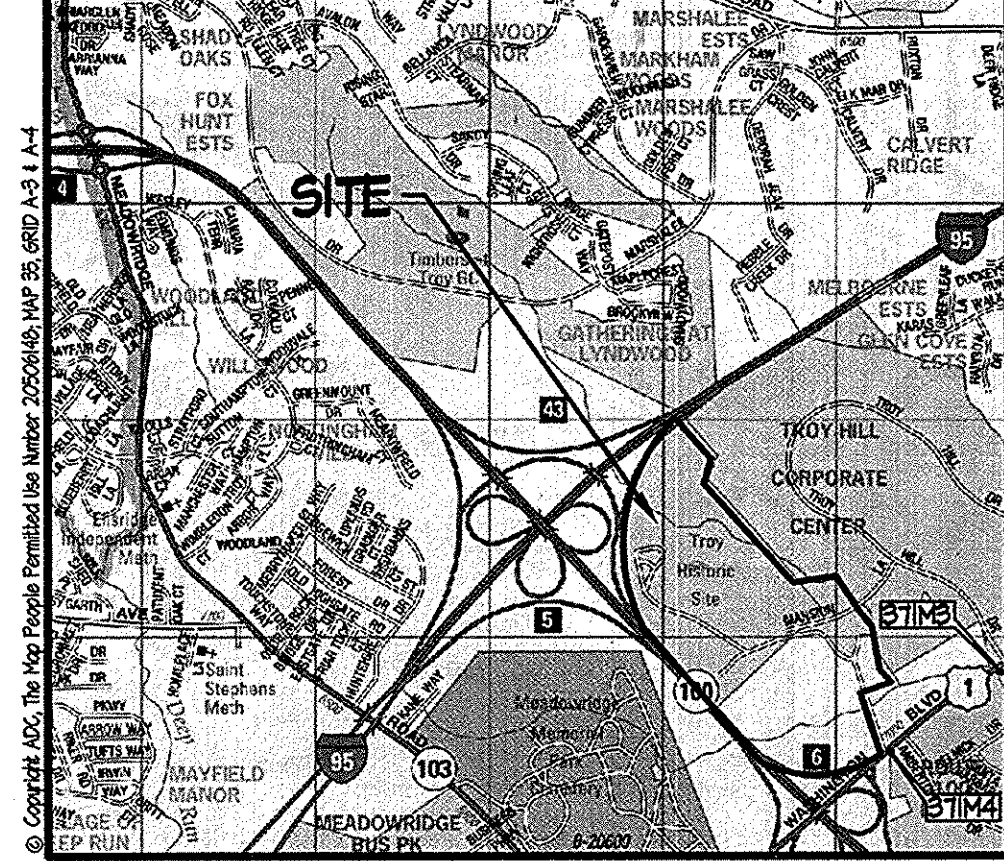
MATCHLINE - SEE SHEET ESC1.03



MATCHLINE - SEE SHEET ESC1.02

LEGEND (THIS LEGEND APPLIES TO DRAWINGS ESC1.01 THROUGH ESC1.06)

- PROPERTY LINE
- - - EXISTING CONTOURS
- - - EXISTING TREELINE
- ☀ EXISTING TREES
- - - EXISTING WALK
- - - EXISTING CURB
- - - EXISTING STORM DRAIN
- - - EXISTING WATER
- - - EXISTING SANITARY SEWER
- - - EXISTING TELEPHONE
- - - EXISTING ELECTRIC
- ☀ EXISTING LIGHTING
- - - EXISTING FENCE
- - - EXISTING GUARDRAIL
- [] EXISTING BUILDING
- [] EXISTING WETLANDS
- WB WETLAND BUFFER
- SB EXISTING STREAM
- SB EXISTING STREAM BUFFER
- - - EXISTING 100 YR. FLOODPLAIN
- - - PROPOSED WOODLINE
- [] PROPOSED WALK
- [] PROPOSED ROAD
- - - PROPOSED FENCE
- - - PROPOSED GUARDRAIL
- [] PROPOSED BUILDING
- - - PROPOSED CONTOURS
- SF SILT FENCE
- SSF SUPER SILT FENCE
- DF DIVERSION FENCE
- STANDARD INLET PROTECTION
- [] STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM
- LOD LIMIT OF DISTURBANCE
- [] STABILIZATION MATTING
- [] SOD STABILIZATION
- [] BLAZE ORANGE FENCING
- PROP. 15' SD PROPOSED STORM DRAIN
- PROP. 6" WATER PROPOSED WATER
- PROP. 8" SAN PROPOSED SANITARY SEWER
- PROP. TELE PROPOSED TELEPHONE
- PROP. ELEG PROPOSED ELECTRIC
- PROP. ELEG CHAN PROPOSED OVERHEAD ELECTRIC
- ☀ PROPOSED LIGHTING



BENCHMARKS

NAD83/91 & NAVD83 IN USE.
 #3143 ALSO KNOWN AS R-125 N65 P.D. J.V.620 ELEV. 123.961
 BRASS DISC ON BRIDGE ABUTMENT ON US-1 0.5 MI. NORTHEAST OF RT-100.
 #3144 ALSO KNOWN AS N/A N65 P.D. N/A ELEV. 170.156
 LIGHT POLE BOLT AT END OF RAMP FROM I-400 TO US-1 SEL.

DEVELOPER'S CERTIFICATE
 "We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

John Washard 8/14/14
 HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER

ENGINEER'S CERTIFICATE
 "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

John L. Harrington 8/14/14
 JEFFERSON L. HARRINGTON, P.E. - ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Rabun 8/21/14
 JOHN K. RABUN, P.E. - ENGINEER
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING & ZONING

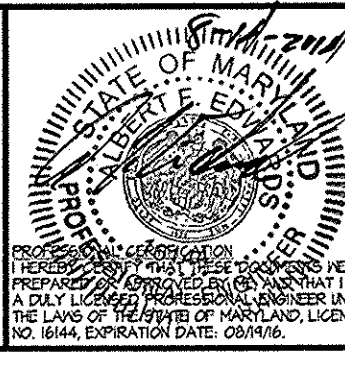
David G. ... 9/14/14
 DIRECTOR

... 9-3-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

... 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT

SITE RESOURCES Incorporated

14315 Armitville Pike • Flobitz, Maryland 21131
 (410) 883-3388 • Fax (410) 883-3389



DES: JLT	DRN: JLT/AM	CHK: AFE	DATE: 08/14/14
BY NO.	REVISION	DATE	600' SCALE MAP NO. 51 BLOCK NO. 16

EROSION AND SEDIMENT CONTROL PLAN

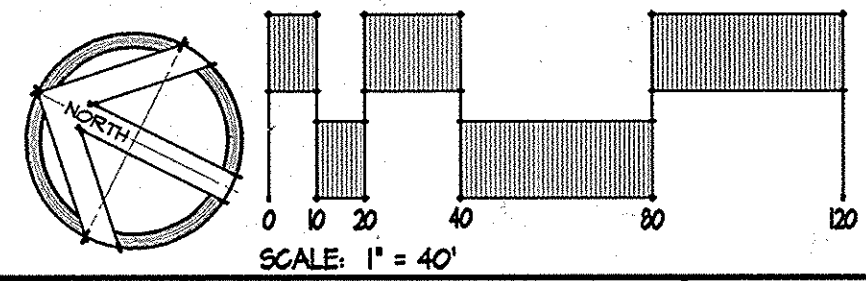
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

CAPITAL PROJECT NO. N-3957

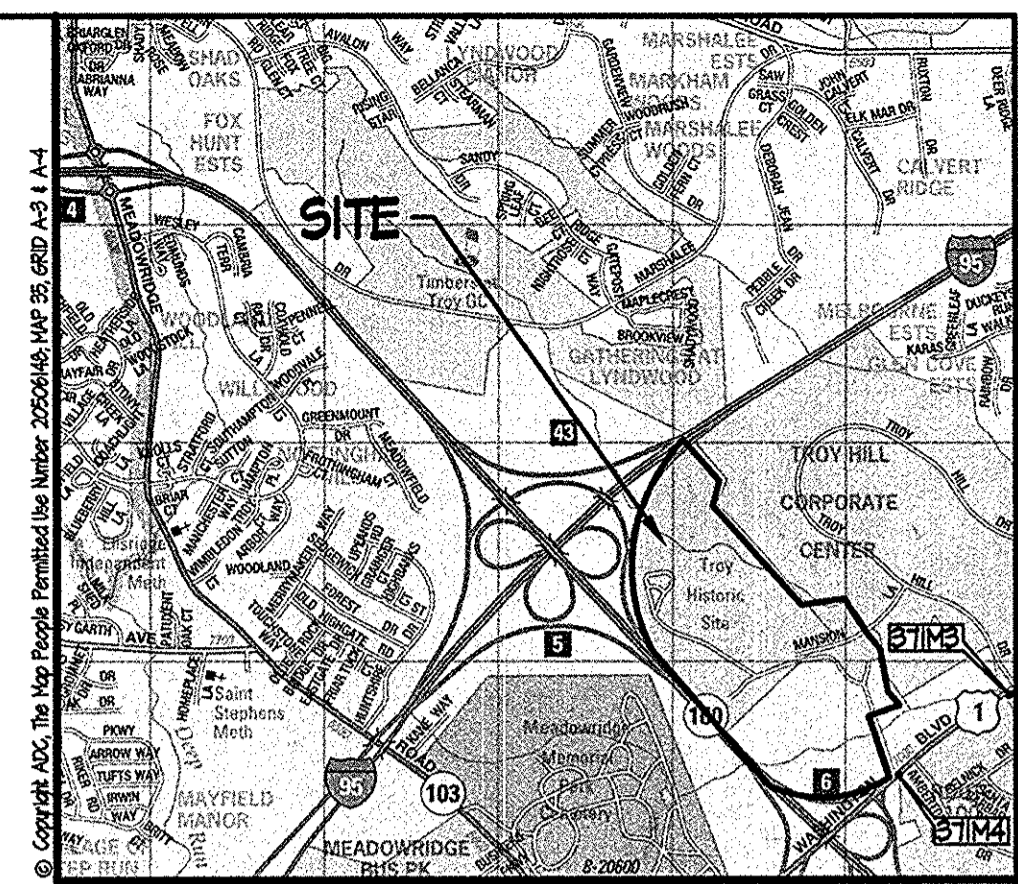
HOWARD COUNTY, MARYLAND

SCALE: 1"=40'
 SHEET 40 OF 61
 SDP-14-033

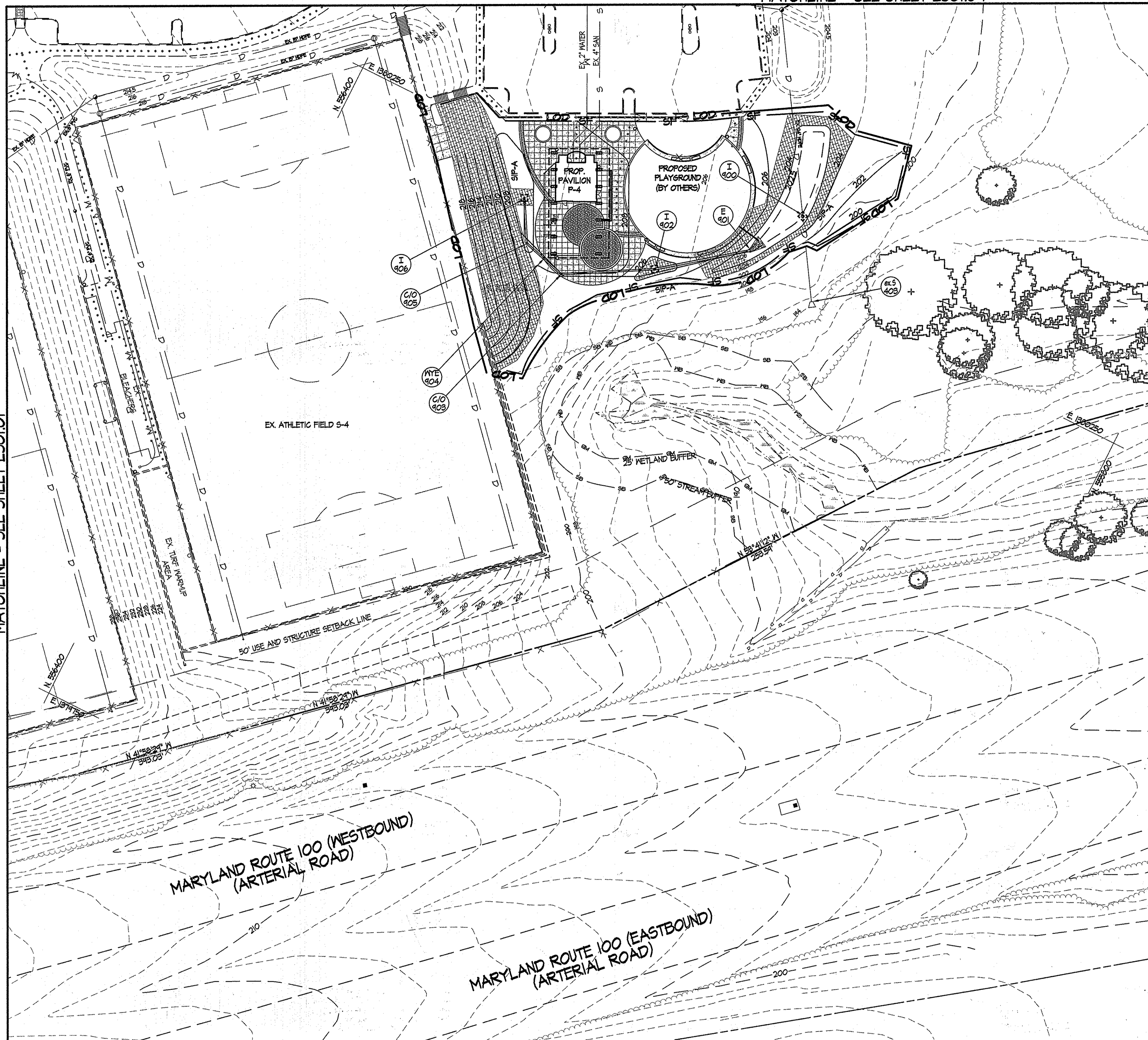
NOTE:
 ALL VEGETATIVE AREAS SHALL RECEIVE A MINIMUM OF 4 INCHES TOPSOIL PRIOR TO PERMANENT SEEDING AND/OR CURLEX APPLICATION. SEE SPECIFICATIONS.



MATCHLINE - SEE SHEET ESC1.04



VICINITY MAP 1"=2000'



MATCHLINE - SEE SHEET ESC1.01

DEVELOPER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Janet Washburn 8/14/14
 HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER DATE

ENGINEER'S CERTIFICATE
 "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Jennifer L. Harrington 8/14/14
 JENNIFER L. HARRINGTON, P.E. - ENGINEER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John R. Roberts 8/21/14
 JOHN R. ROBERTS, P.E. - ENGINEER DATE

APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature] 3/16/14
 DIRECTOR DATE

Chris Edlin 9-2-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION NY DATE

[Signature] 9-22-14
 CHIEF, DIVISION OF LAND DEVELOPMENT CP DATE

SITE RESOURCES
 INCORPORATED
 Comprehensive Land Planning & Site Design Services
 14165 Arrettsville Pike • Pikesville, Maryland 21111
 (410) 667-3388 • fax (410) 667-3389

STATE OF MARYLAND
 DEPARTMENT OF THE ENVIRONMENT
 DIVISION OF SOIL CONSERVATION
 14165 Arrettsville Pike • Pikesville, Maryland 21111
 (410) 667-3388 • fax (410) 667-3389

DES: JLT	BY	NO.	REVISION	DATE
DRN: JLT/AM				
CHK: AFE				
DATE: 08/14/14				

EROSION AND SEDIMENT CONTROL PLAN

600' SCALE MAP NO. 51 BLOCK NO. 16

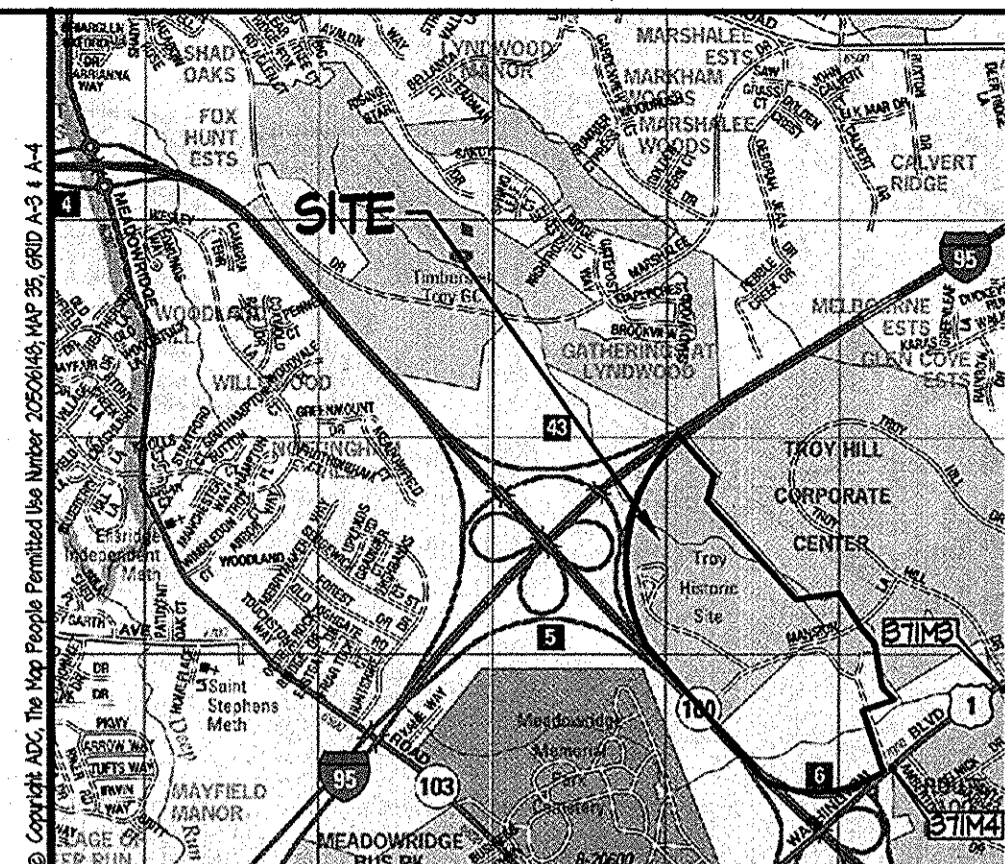
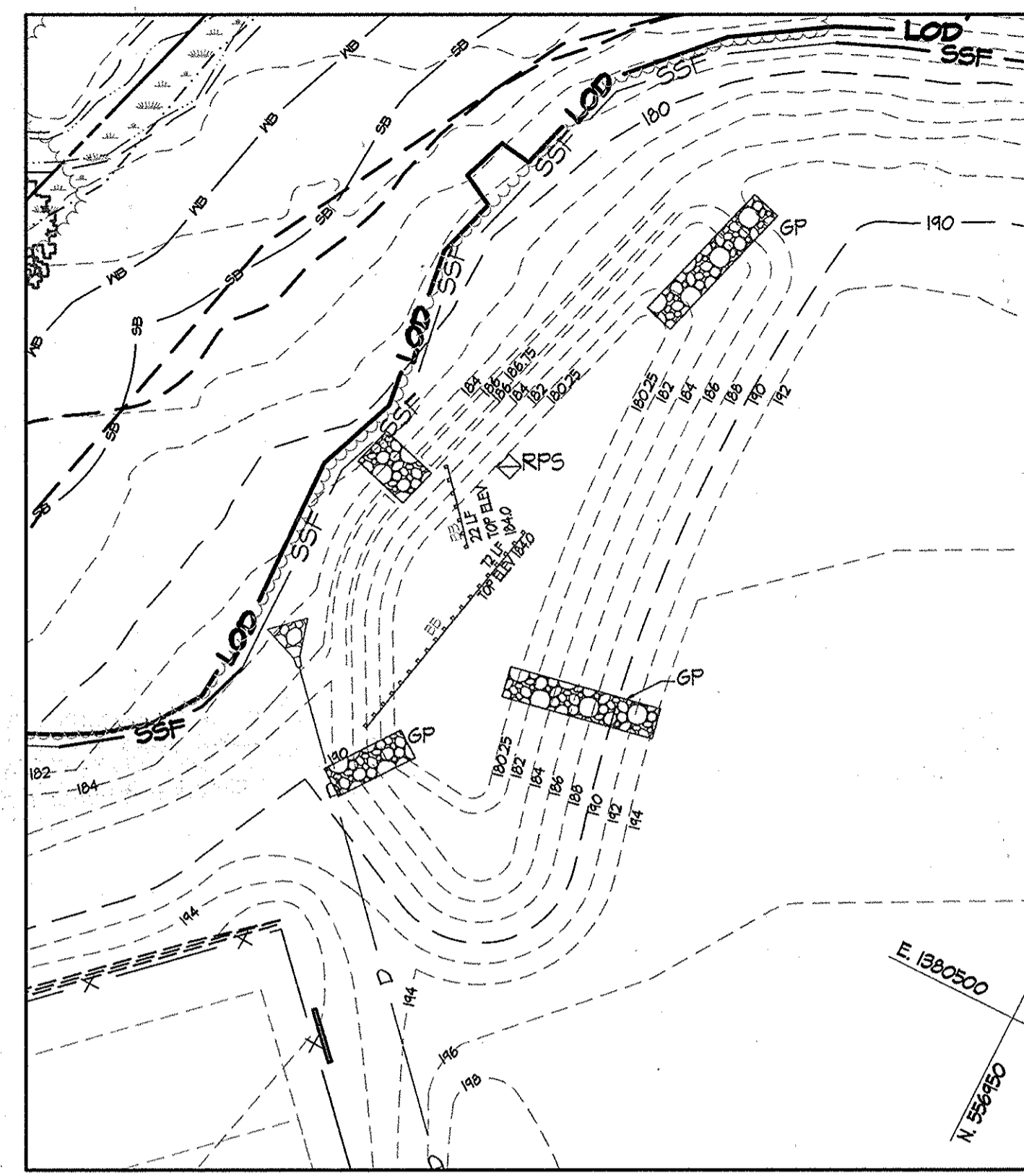
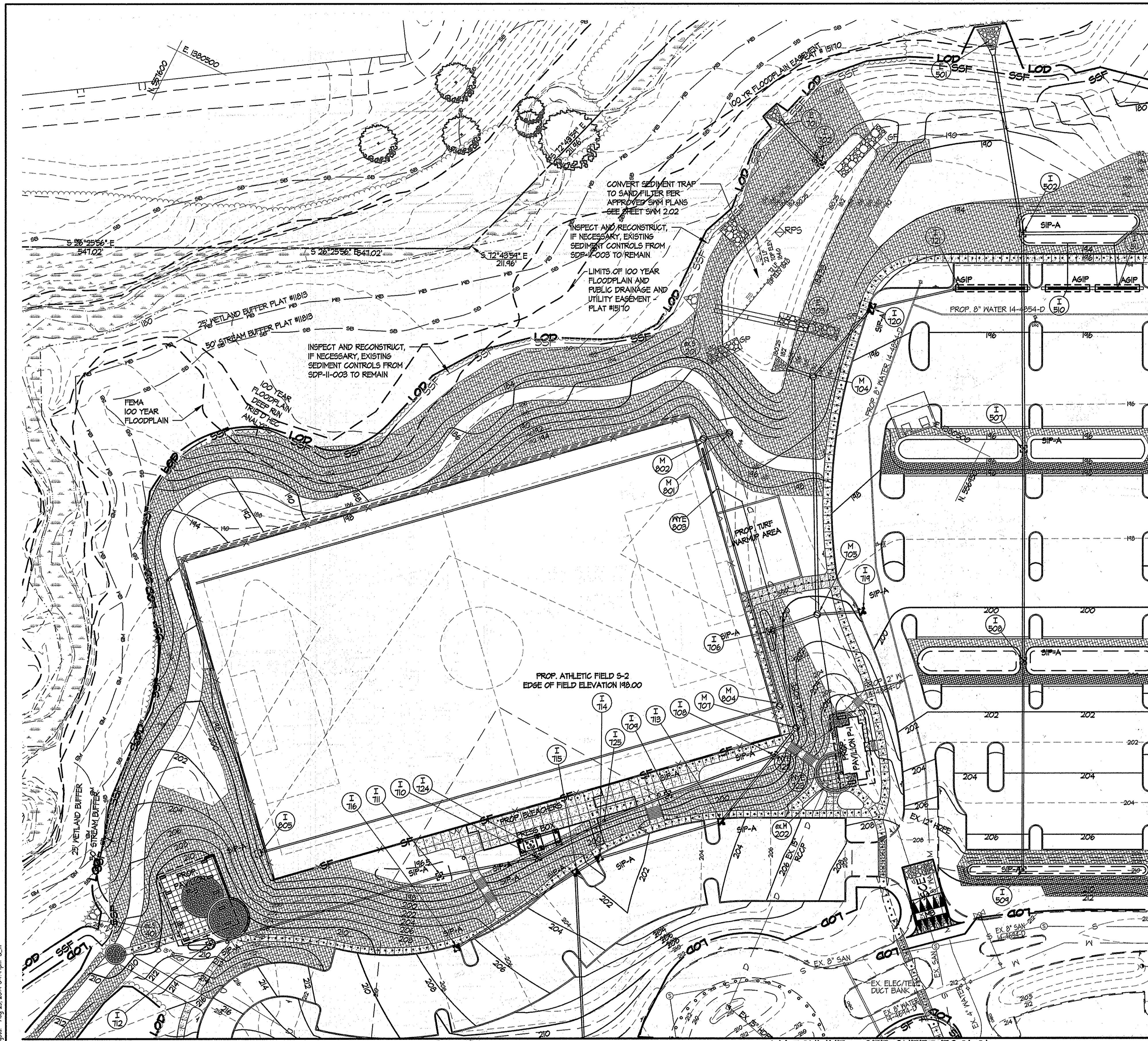
TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22

CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND

NOTE:
 ALL VEGETATIVE AREAS SHALL RECEIVE A MINIMUM OF 4 INCHES TOPSOIL PRIOR TO PERMANENT SEEDING AND/OR CURLEX APPLICATION. SEE SPECIFICATIONS.

SCALE: 1"=40'

T:\10\0402-Eng Plan Phase II Site Development\Plan\ESC1.02 ESC Planning.dwg Aug 13, 2014 12:04pm JLT



VICINITY MAP
SCALE: 1" = 2000'

1 SEDIMENT TRAP #2
 MAINTAIN EXISTING SEDIMENT TRAP #2 FROM SDP-10-003 UNTIL ALL CONTRIBUTING DRAINAGE AREAS HAVE BEEN COMPLETELY STABILIZED, THEN CONVERT SEDIMENT TRAP TO SAND FILTER PER APPROVED SWM PLANS
 SCALE: 1" = 40'

MATCHLINE - SEE SHEET ESC1.01

DEVELOPER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

A. R. Deane 8/26/14
 HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER

ENGINEER'S CERTIFICATE
 "I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Jennifer L. Harrington, P.E. 8/26/14
 ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Kelly, P.E. 9/15/14
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING & ZONING

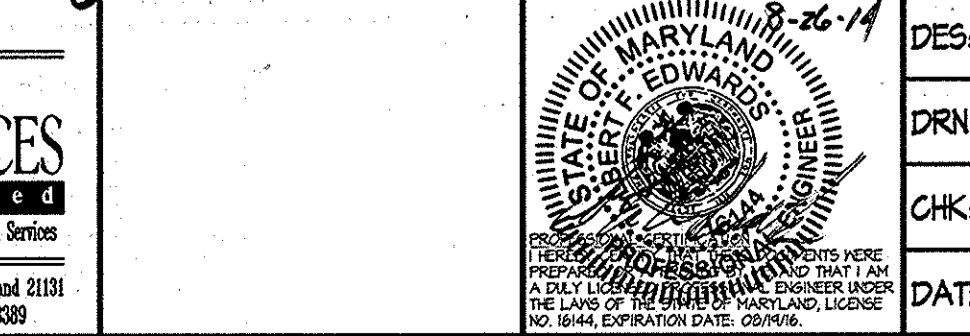
D. A. ... 7/14/14
 DIRECTOR

... 9-3-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

... 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 ADDRESS: 6400 MANSION LANE
 LOTS 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 14315 Annetville Pike • Poolesville, Maryland 21131
 (410) 883-3388 • Fax (410) 883-3389



DES: JLT					
DRN: JLT/AM					
CHK: AFE					
DATE: 08/14/14	BY:	NO.:	REVISION:	DATE:	

EROSION AND SEDIMENT CONTROL PLAN

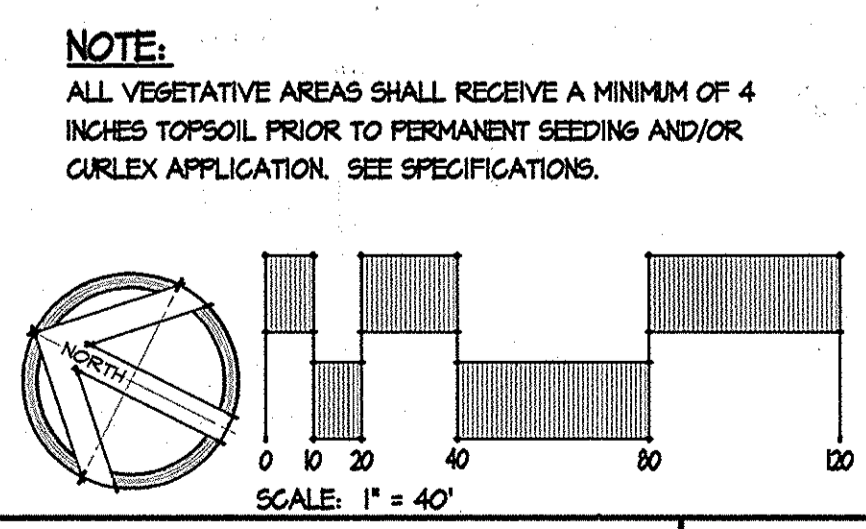
600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22

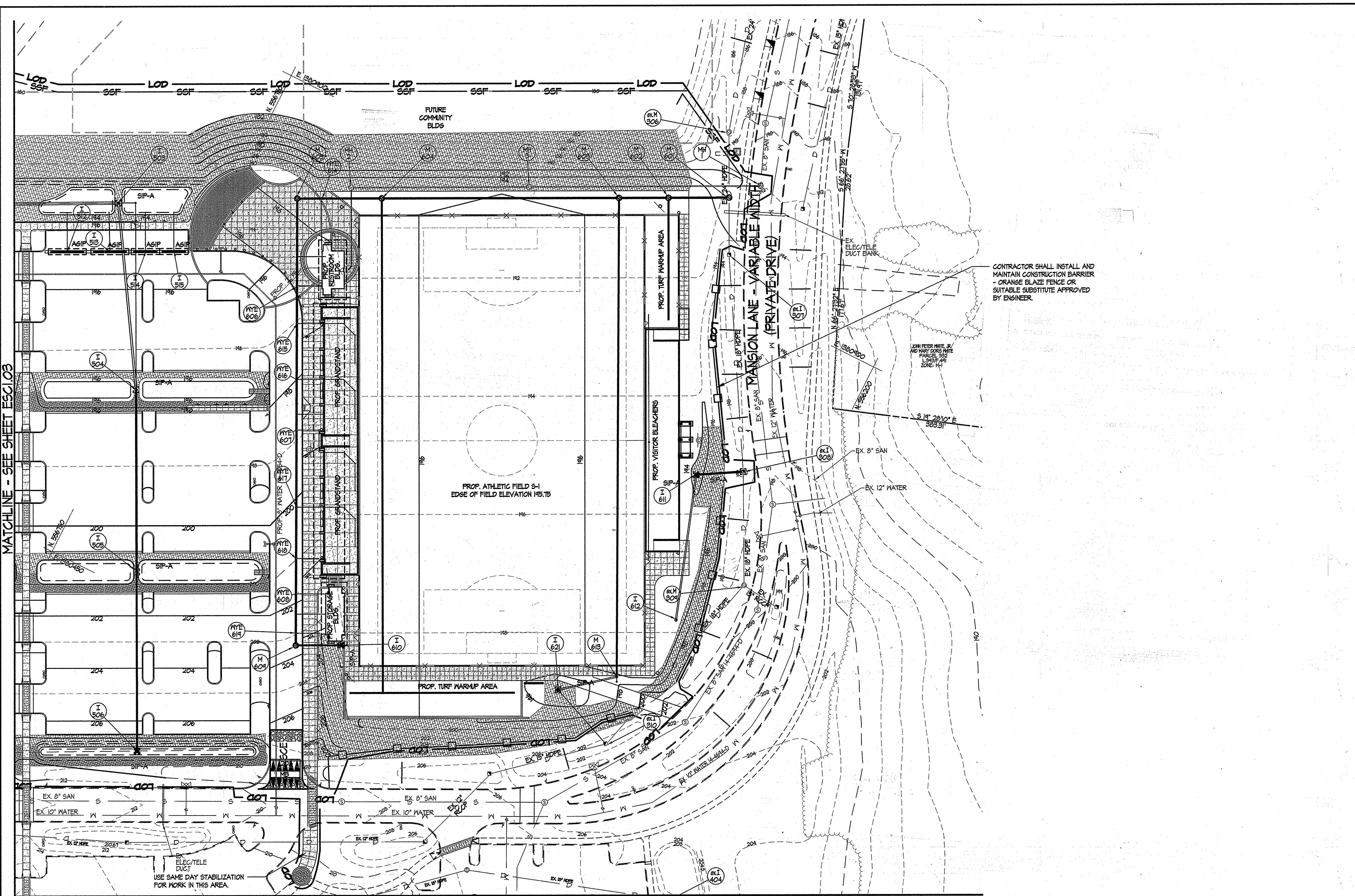
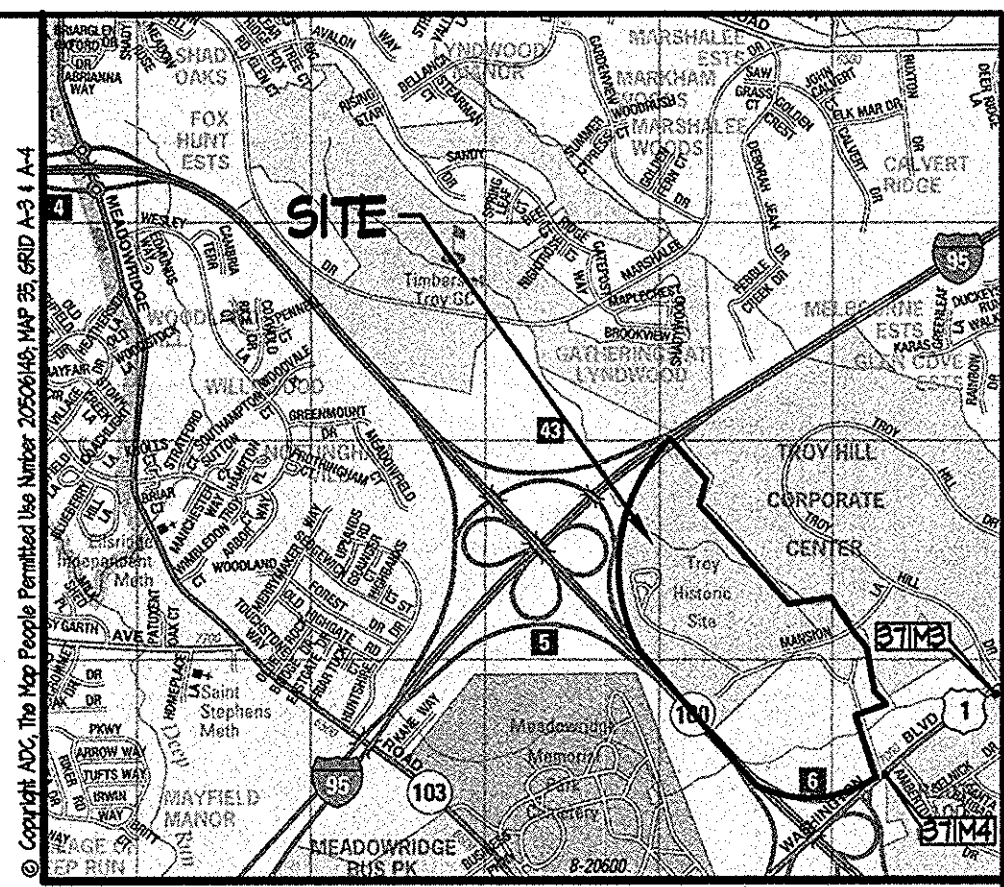
CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND

SCALE: 1" = 40'

ESC1.03
 SHEET 42 OF 61
 SDP-14-033

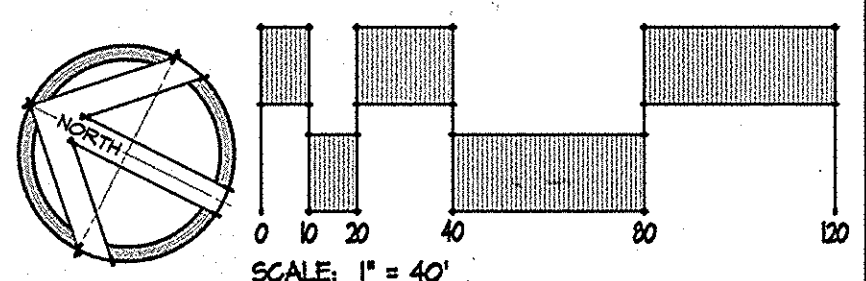


11/01/2014: Troy Park Phase II Site Development Plan (ESC1.03) ESC Planning Group Aug 25, 2014 04:47:01 a.m.



CONTRACTOR SHALL INSTALL AND MAINTAIN CONSTRUCTION BARRIER - ORANGE BLAZE FENCE OR SUITABLE SUBSTITUTE APPROVED BY ENGINEER.

NOTE:
ALL VEGETATIVE AREAS SHALL RECEIVE A MINIMUM OF 4 INCHES TOPSOIL PRIOR TO PERMANENT SEEDING AND/OR CURLEX APPLICATION. SEE SPECIFICATIONS.



DEVELOPER'S CERTIFICATE
"We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Jana T. Odsherwood 9/14/2014
HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER

APPROVED: DEPARTMENT OF PLANNING & ZONING
J. A. H. Coyle, Jr. 9/16/14
DIRECTOR

Chris Edman 9-3-14
CHIEF, DEVELOPMENT ENGINEERING DIVISION

W. J. Stalderman 9-18-14
CHIEF, DIVISION OF LAND DEVELOPMENT

ENGINEER'S CERTIFICATE
"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Jennifer L. Harrington 9/14/14
JENNIFER L. HARRINGTON, P.E. - ENGINEER

ADDRESS / PERMIT INFORMATION
PARCELS: 185, 545, 546, 556, 162, 185, 189, 191, 192, A-21, 185, 189, 191, A-21, 185, 191, A-21
ADDRESS: 6400 MANSION LANE
L3511 / F 144, L10099 / F 351, L12205 / F 240, L15703 / F 600,
L3541 / F 18, L495 / F 43, L495 / F 43, L495 / F 43, L495 / F 43, L495 / F 43,
GRID 11 & 18, ZONE: M4, TAX MAP NO. 31
IN ELECTION DISTRICT: CONGRESSIONAL DISTRICT 4C21.02
WATER CODE: 400, SEWER CODE: 252200

OWNER:
HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE: (410) 313-2100

DEVELOPER:
HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE: (410) 313-2100

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

John K. Robinson 9/21/14
HOWARD SOIL CONSERVATION DISTRICT

SITE RESOURCES
INCORPORATED
Comprehensive Land Planning & Site Design Services
14315 Annapolis Pike • Poolesville, Maryland 21131
(410) 982-3338 • Fax: (410) 982-3389

DES: JLT	DATE: 08/14/14
DRN: JLT/AM	BY: NO.
CHK: AFE	REVISION
DATE: 08/14/14	DATE

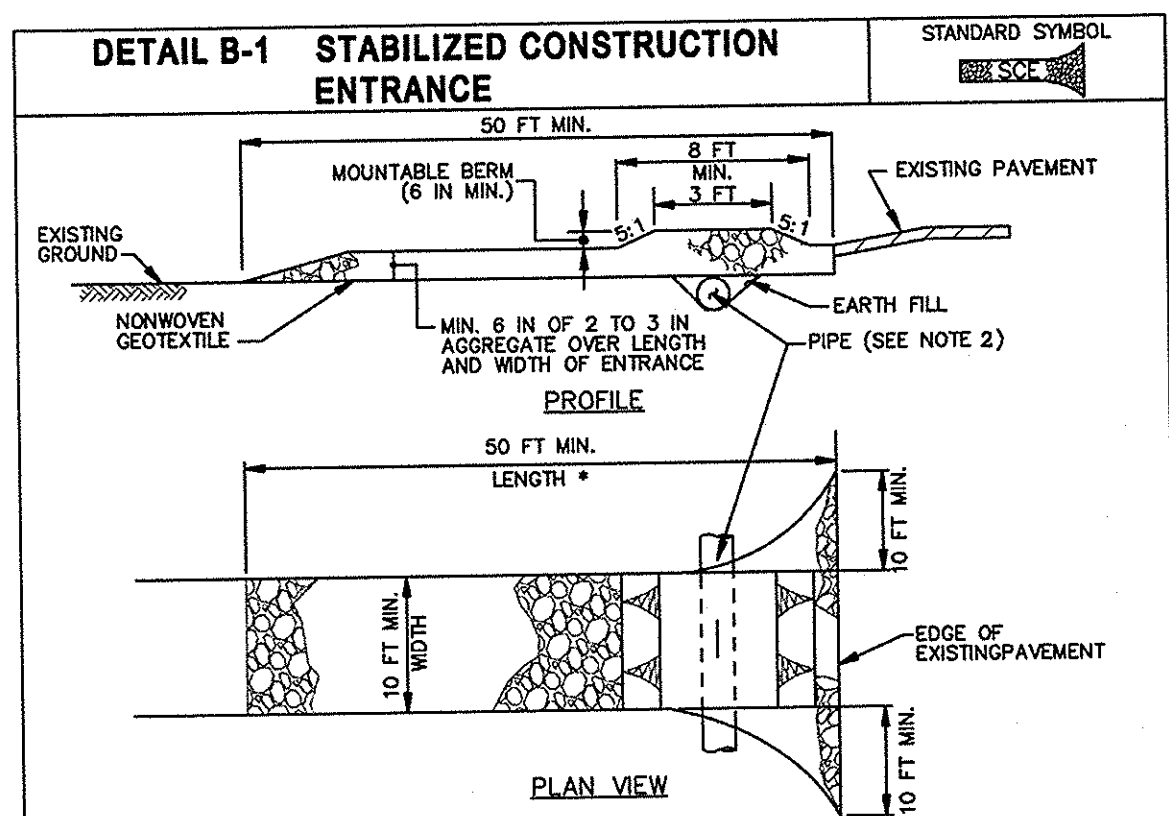
EROSION AND SEDIMENT CONTROL PLAN	
600' SCALE MAP NO. 51	BLOCK NO. 16
CAPITAL PROJECT NO. N-3457	HOWARD COUNTY, MARYLAND

TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

SCALE: 1"=40'

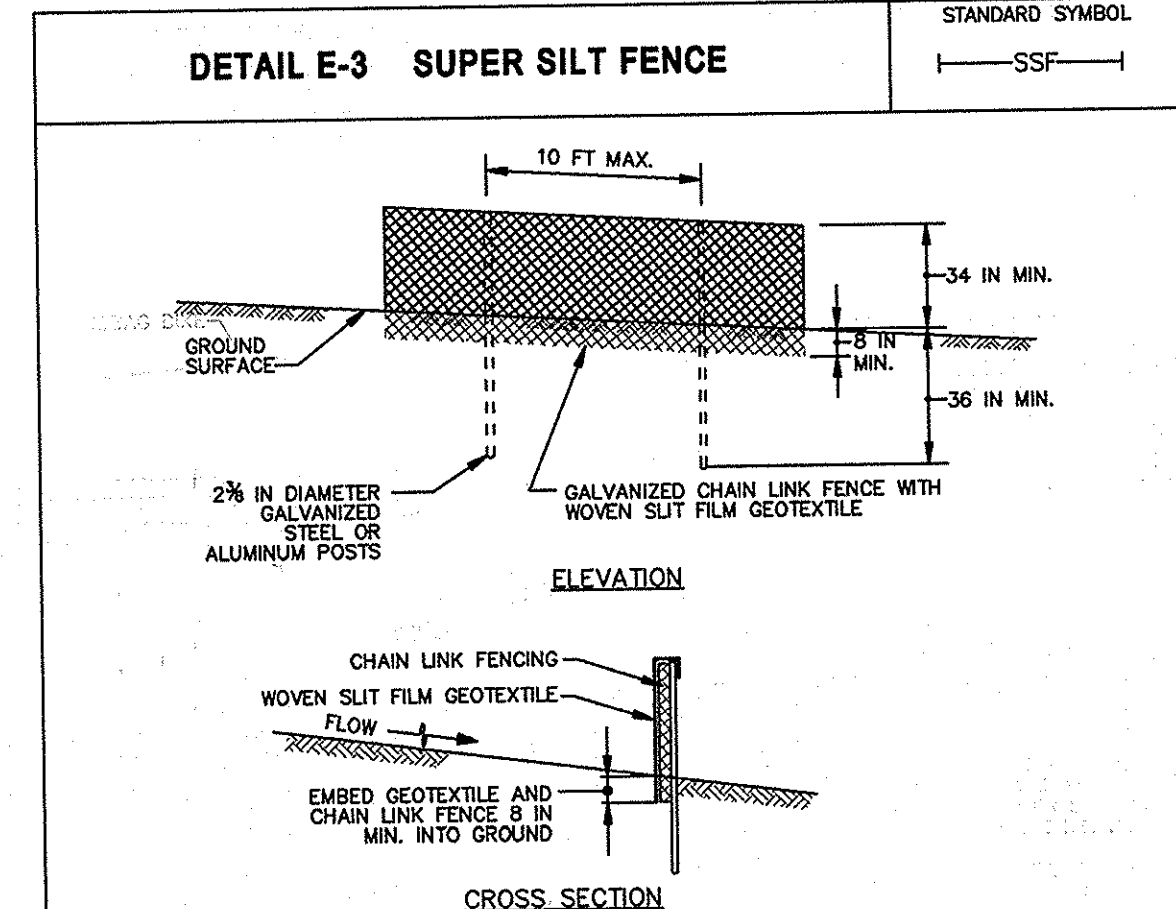
ESCI.04
SHEET 43 OF 67
SDP-14-033

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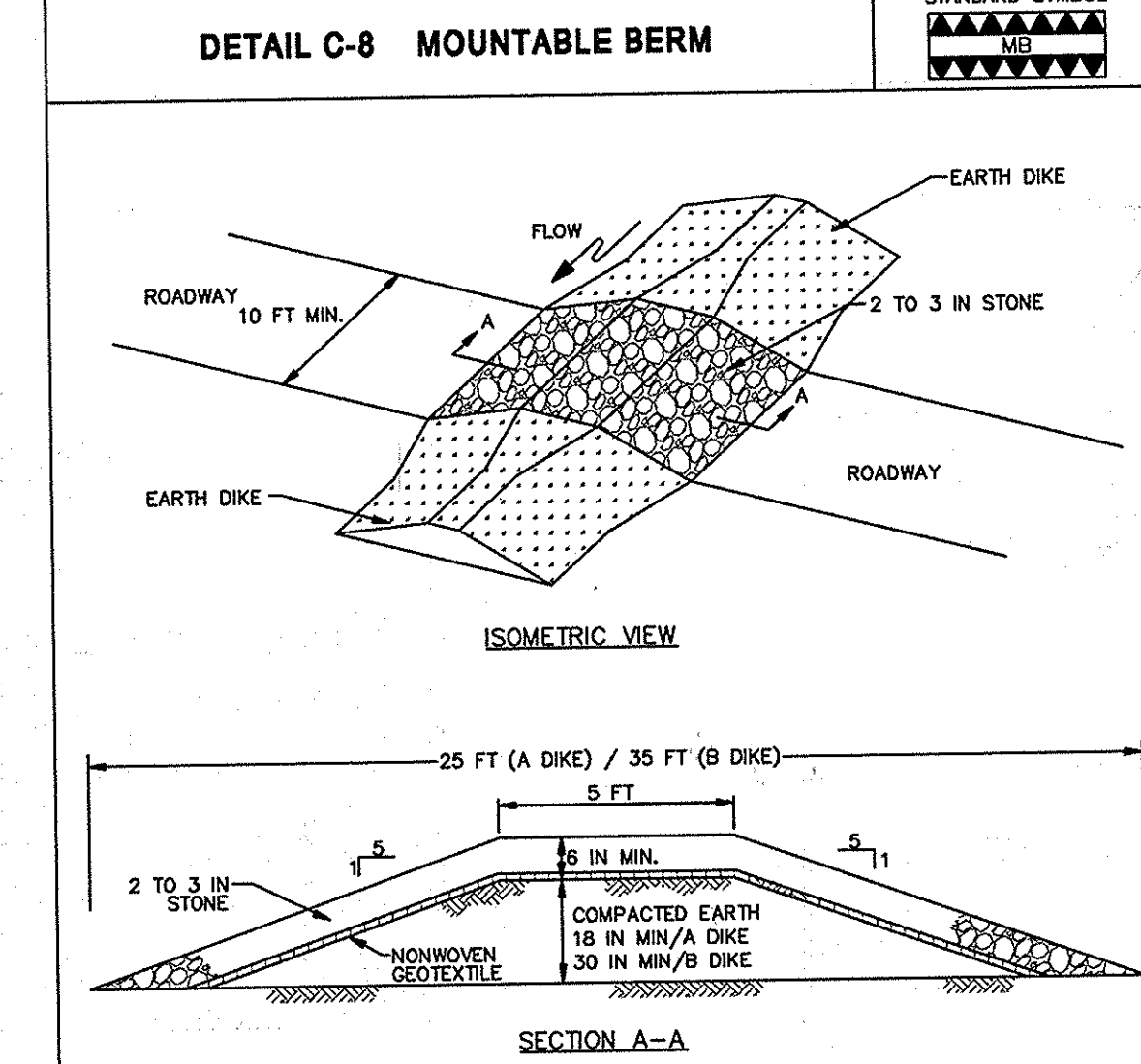
- CONSTRUCTION SPECIFICATIONS**
1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (40 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE TO 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
 2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
 3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
 4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
 5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT, ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING TRACKED ONTO ADJACENT ROADWAY IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



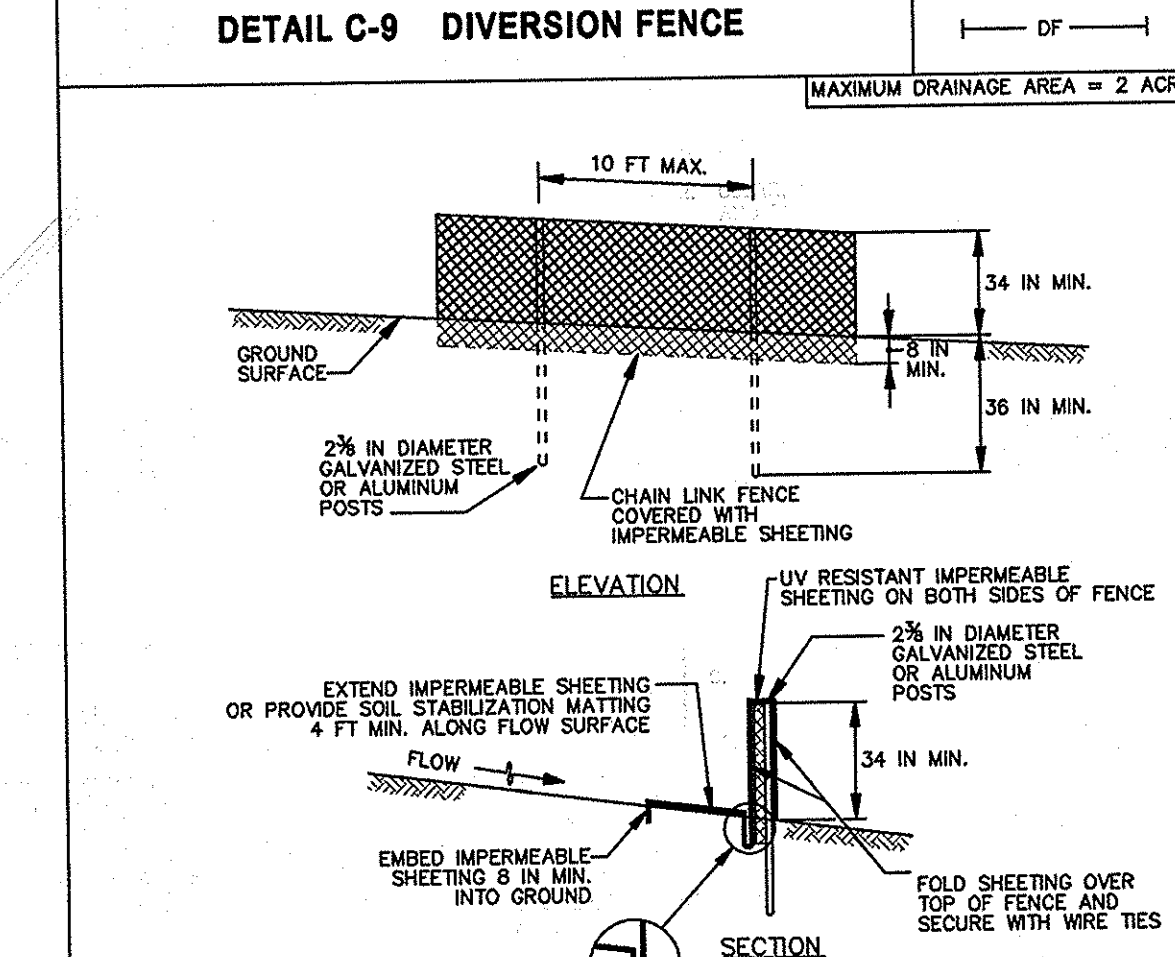
- CONSTRUCTION SPECIFICATIONS**
1. INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
 2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 1/2 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
 3. FASTEN WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
 4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
 5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
 6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
 7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



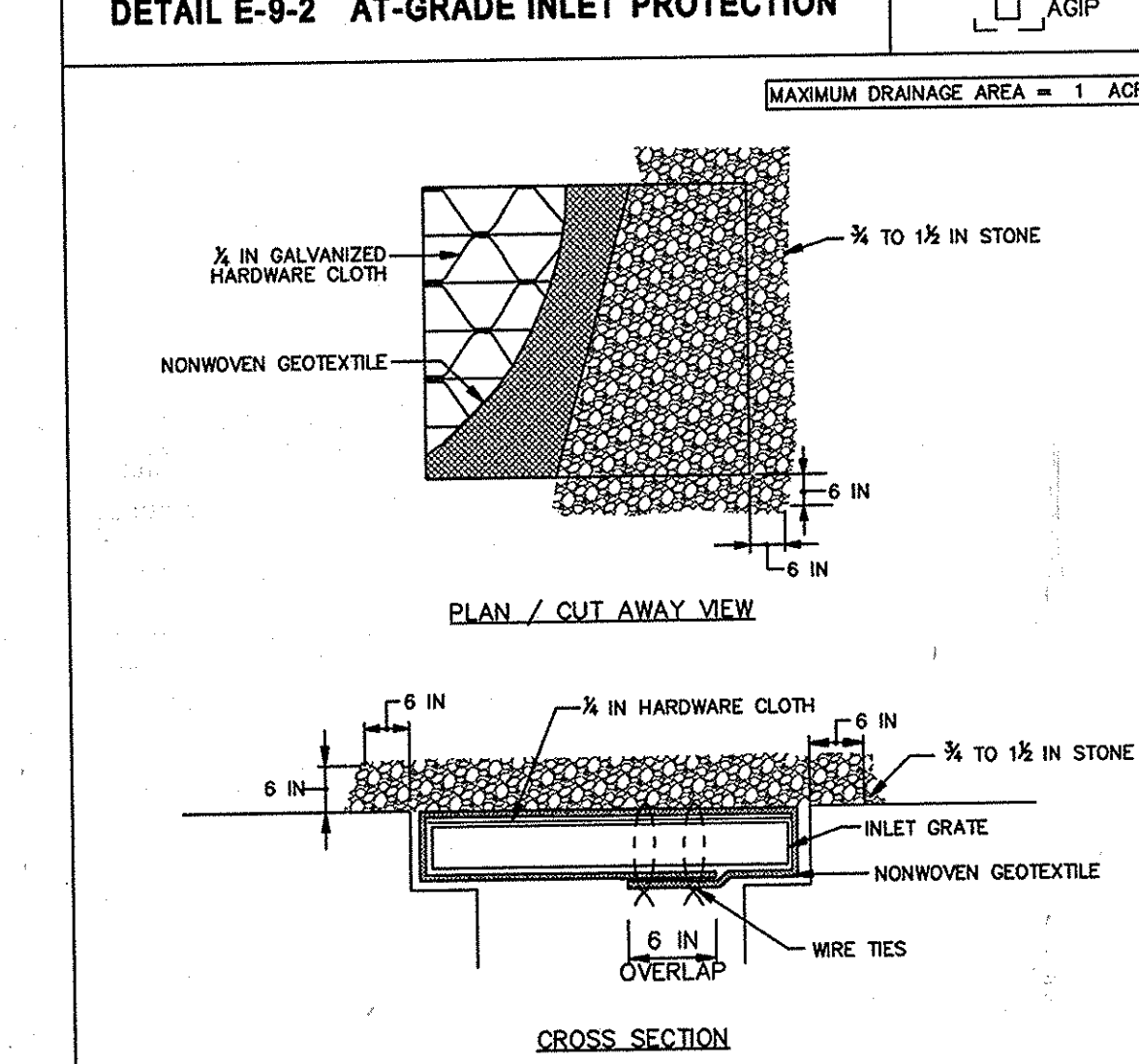
- CONSTRUCTION SPECIFICATIONS**
1. USE MINIMUM WIDTH OF 10 FEET TO ALLOW FOR VEHICULAR PASSAGE.
 2. PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE EARTH MOUND PRIOR TO PLACING STONE.
 3. PLACE 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE MOUNTABLE BERM.
 4. MAINTAIN LINE, GRADE, AND CROSS SECTION. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN SPECIFIED DIMENSIONS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



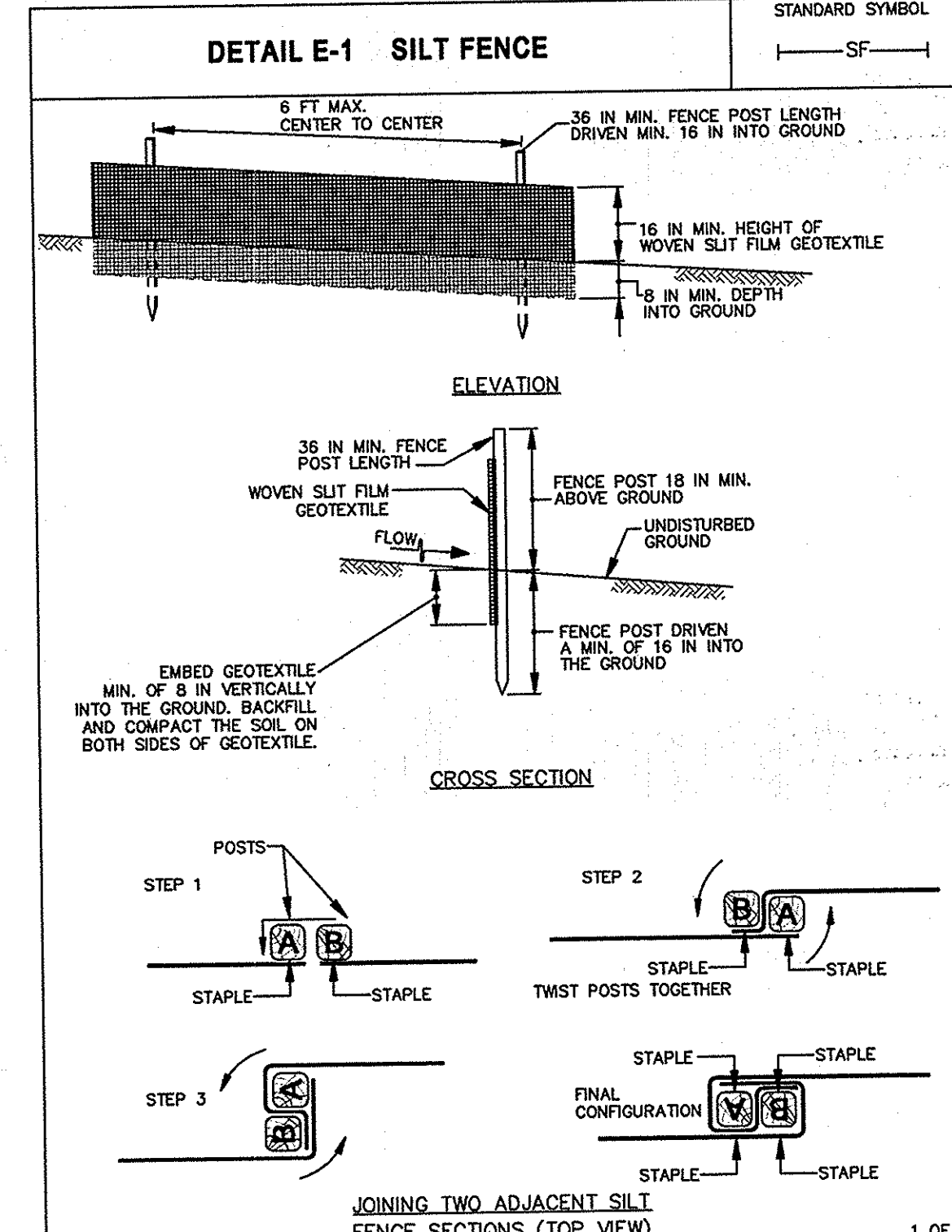
- CONSTRUCTION SPECIFICATIONS**
1. USE 42 INCH HIGH, 9 GAUGE OR THICKER CHAIN LINK FENCING (2 1/2 INCH MAXIMUM OPENING).
 2. USE 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. THE POSTS DO NOT NEED TO BE SET IN CONCRETE.
 3. FASTEN CHAIN LINK FENCE SECURELY TO THE FENCE POSTS WITH WIRE TIES.
 4. SECURE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT TOP, MID SECTION, AND BELOW GROUND SURFACE.
 5. EXTEND SHEETING A MINIMUM OF 4 FEET ALONG FLOW SURFACE AND EMBED END A MINIMUM OF 8 INCHES INTO GROUND. SOIL STABILIZATION MATTING MAY BE USED IN LIEU OF IMPERMEABLE SHEETING ALONG FLOW SURFACE.
 6. WHEN TWO SECTIONS OF SHEETING ADJOIN EACH OTHER, OVERLAP BY 6 INCHES AND FOLD WITH SEAM FACING DOWNGRADE.
 7. KEEP FLOW SURFACE ALONG DIVERSION FENCE AND POINT OF DISCHARGE FREE OF EROSION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE. REPLACE IMPERMEABLE SHEETING IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



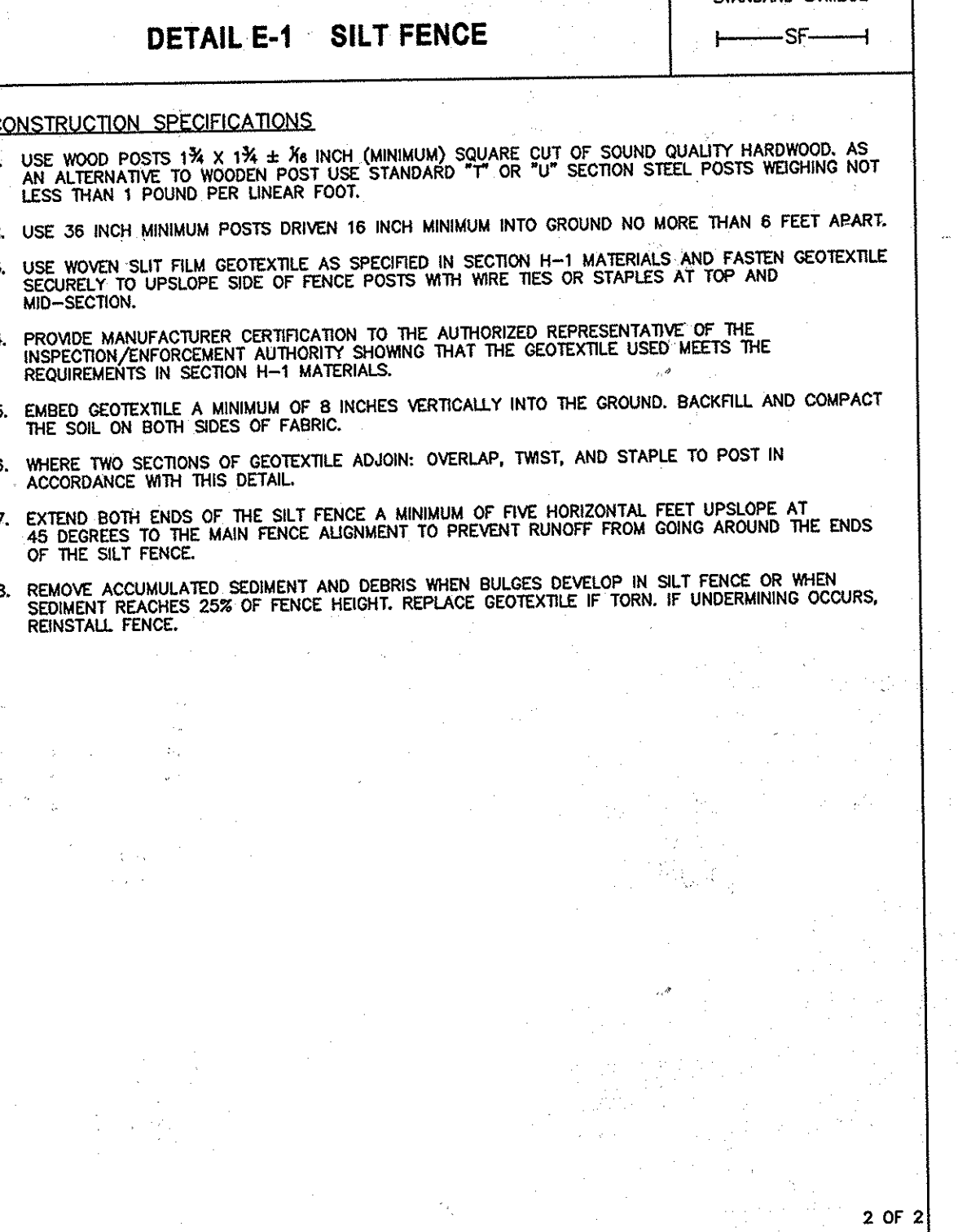
- CONSTRUCTION SPECIFICATIONS**
1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
 2. LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
 3. PLACE CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
 4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

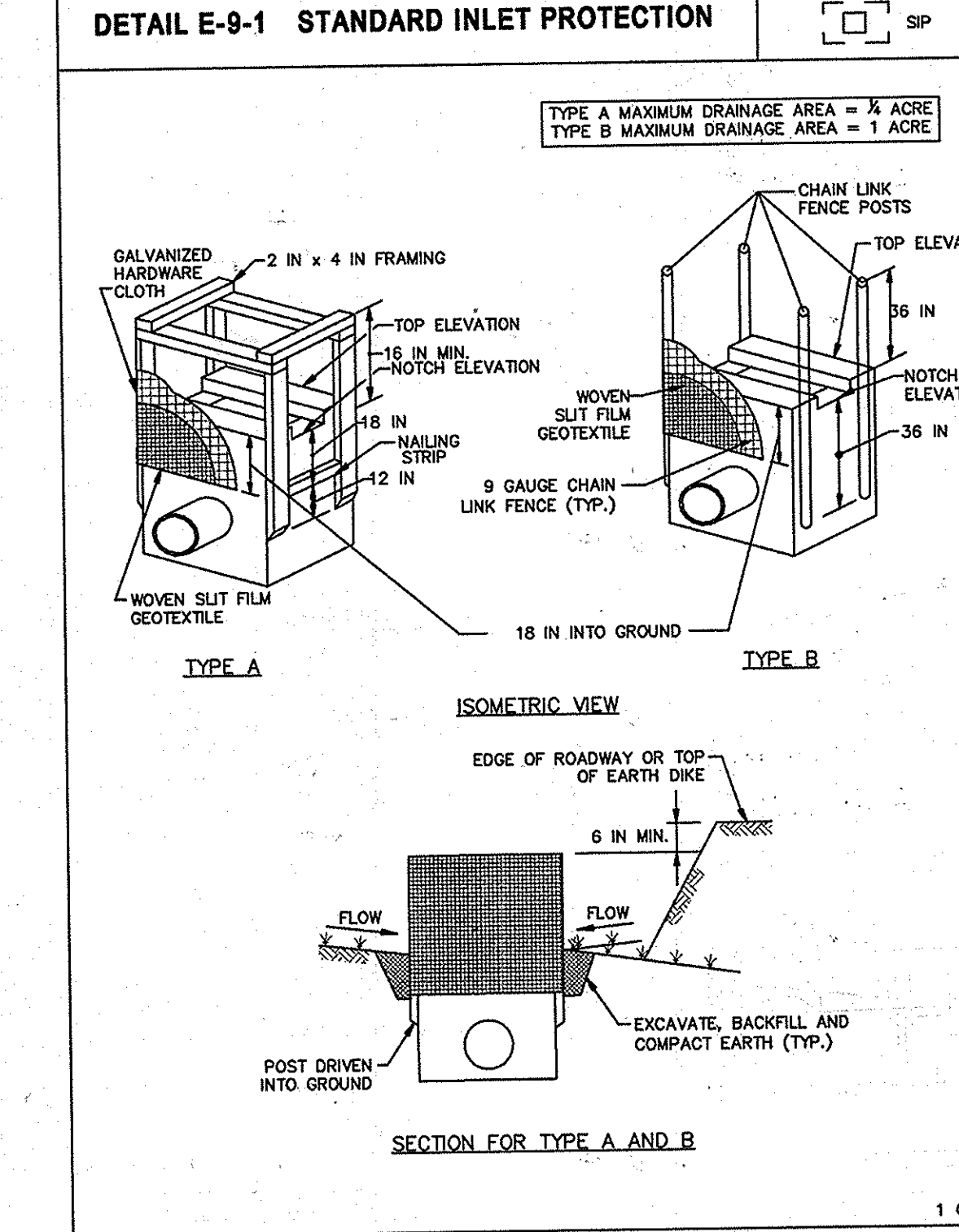


- CONSTRUCTION SPECIFICATIONS**
1. USE WOOD POSTS 1 1/2 x 1 1/2 x 3/4 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD, AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "P" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.
 2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.
 3. USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.
 4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
 5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF FABRIC.
 6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.
 7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.
 8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

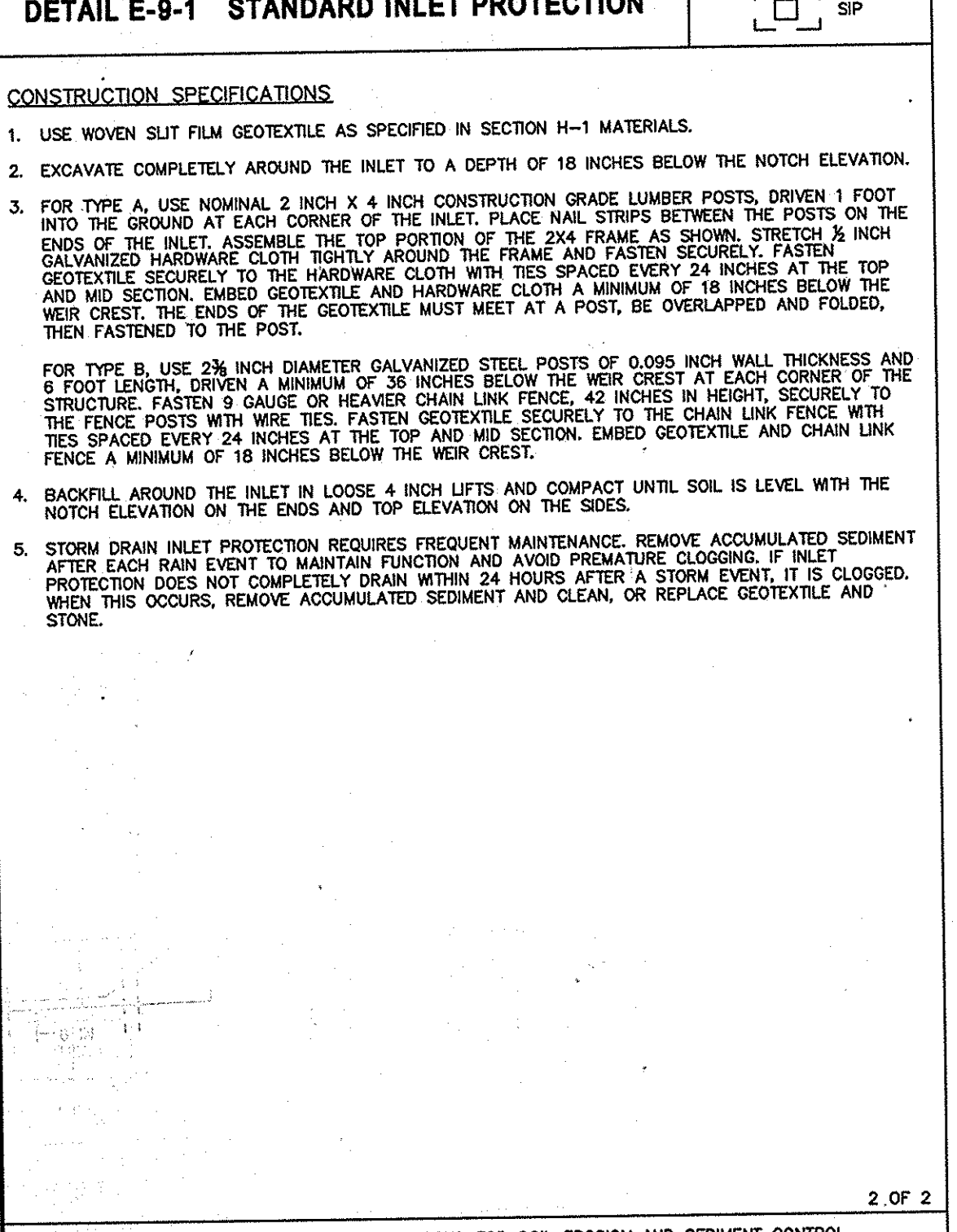
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



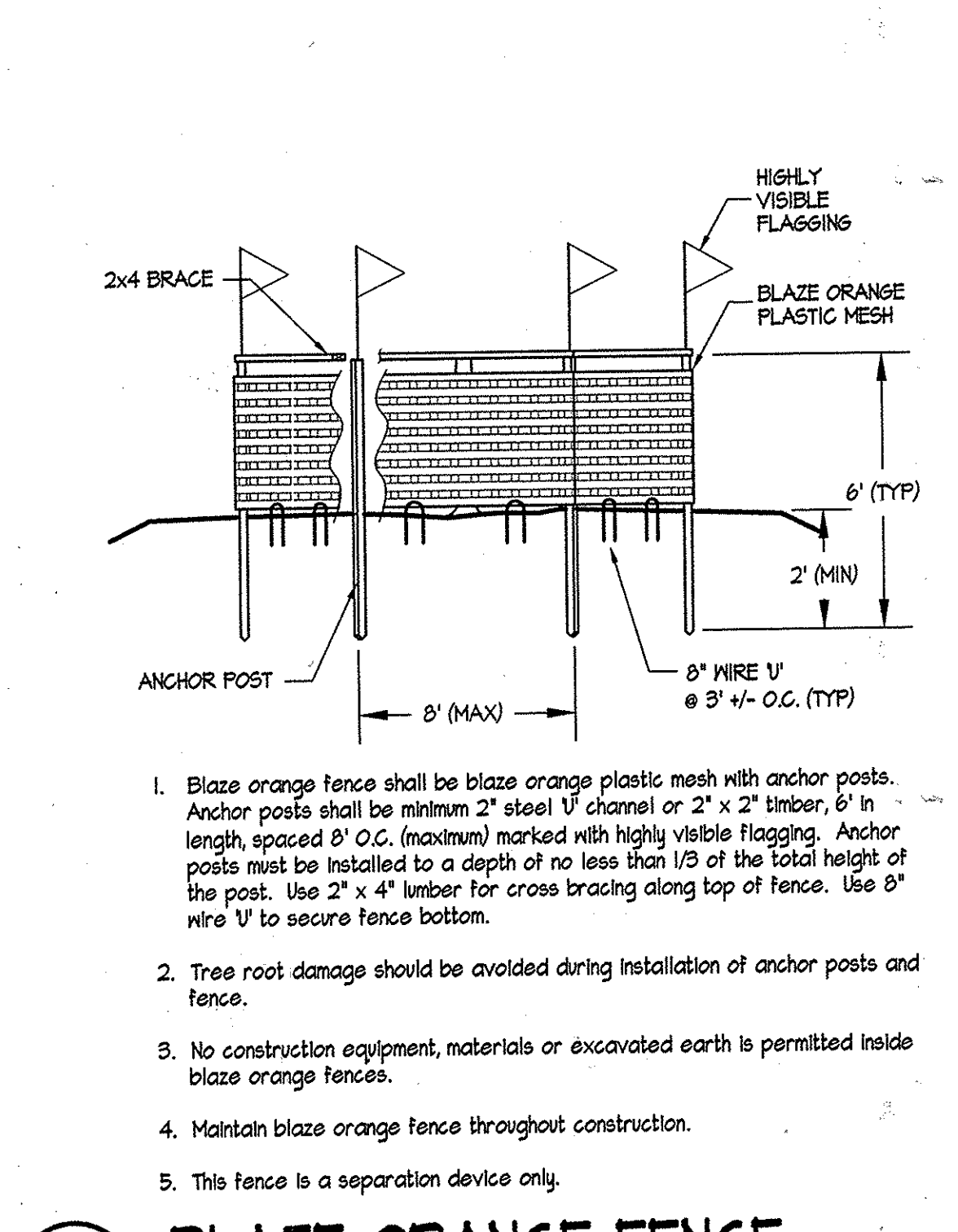
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.
 Anna T. Wehner 8/14/14
 HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER

ENGINEER'S CERTIFICATE
 I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Jennifer Harrington 8/14/14
 JENNIFER HARRINGTON, P.E. - ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 John K. Klutka 8/21/14
 JOHN K. KLUTKA
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING & ZONING
 DIRECTOR: [Signature] 7/28/14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION: [Signature] 9-3-14
 CHIEF, DIVISION OF LAND DEVELOPMENT: [Signature] 9-8-14

ADDRESS / PERMIT INFORMATION
 1435 JENNIFER HARRINGTON DRIVE, SUITE 200
 COLUMBIA, MARYLAND 21046
 PHONE (410) 392-2100
 FAX (410) 392-2102

SITE RESOURCES
 INCORPORATED
 1435 JENNIFER HARRINGTON DRIVE, SUITE 200
 COLUMBIA, MARYLAND 21046
 PHONE (410) 392-2100
 FAX (410) 392-2102

DES:	JLT	DATE:	08/14/14
DRN:	JLT/AM	BY:	NO.
CHK:	AFE	REVISION:	

EROSION AND SEDIMENT CONTROL DETAILS
 600' SCALE MAP NO. 51 BLOCK NO. 16
 CAPITAL PROJECT NO. N-3457

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE 11B PARCELS A-21 AND A-22
 HOWARD COUNTY, MARYLAND
 SHEET 44 OF 61
 SDP-14-033

SCALE: AS SHOWN
 ESC2.01
 SHEET 44 OF 61
 SDP-14-033

**STONE/RIPRAP OUTLET SEDIMENT TRAP ST-II, TRAP NO. 2
(EXISTING TO BE MAINTAINED FROM SDP-11-003)**

DRAINAGE AREA - INITIAL	8.3	ACRES
DRAINAGE AREA - INTERIM	-	ACRES
DRAINAGE AREA - FINAL	3.26	ACRES
TOTAL STORAGE REQUIRED	13846	CF
TOTAL STORAGE PROVIDED	25467	CF
NET STORAGE REQUIRED	6448	CF
NET STORAGE PROVIDED	15482	CF
DRY STORAGE REQUIRED	6448	CF
DRY STORAGE PROVIDED	15542	CF
EXISTING GROUND ELEVATION AT OUTLET (WET STORAGE ELEVATION)	183	FT
TRAP BOTTOM ELEVATION	180.25	FT
TRAP BOTTOM DIMENSIONS	147 x 40	FT x FT
WEIR LENGTH	34	FT
WEIR CREST (DRY STORAGE) ELEVATION	184.9	FT
CLEANOUT ELEVATION	182	FT
TOP OF EMBANKMENT ELEVATION	186.75	FT
SIDE SLOPE	2:1	H:V
EMBANKMENT TOP WIDTH	4	FT
OUTLET PROTECTION - LENGTH	10	FT
OUTLET PROTECTION - DEPTH	19	IN

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (410-313-1855).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 3 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 7 days as to all other disturbed or graded areas on the project site.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. B-4-5), temporary seeding (Sec. B-4-4) and mulching (Sec. B-4-3). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative conditions until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- SITE ANALYSIS:

Total Area of Site:	101.84 Acres
Area Disturbed:	20.32 Acres
Area to be roofed or paved:	8.78 Acres
Area to be vegetatively stabilized:	11.54 Acres
Total Cut:	180,000 Cu. Yds.
Total Fill:	180,000 Cu. Yds.

Offsite Waste/Borrow Area Location:
See note G7 on sheet 2 of 67
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- Tranches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each work day, whichever is shorter.
- Any changes or revision to the sequence of construction must be reviewed and approved by the plan approval authority prior to proceeding with construction.
- A project is to be sequenced so that grading activities begin on one grading unit (maximum acreage of 20 ac per grading unit) at a time. Work may proceed to a subsequent grading unit when at least 50 percent of the disturbed area in the preceding grading unit has been stabilized and approved by the enforcement authority. Unless otherwise specified and approved by the approval authority, no more than 30 acres cumulatively may be disturbed at a given time.

SEQUENCE OF CONSTRUCTION

- Ensure that Grading Permit and all other necessary permits are obtained from Owner.
- Notify Howard County Department of Public Works at least 48 hours before start of work. Contact Miss Utility at 1-800-257-TTTT at least three days in advance of starting work shown on plans.
- Clear and grub for and install erosion and sediment control measures or devices. See ESC 1.00 for the overall sediment control plan.
 - Retain Sediment Trap 2 from Phase I - SDP-11-003. This trap will be converted to a Sand Filter later in the sequence.
 - Maintain diversion fence (DF) at the north side of the site from the nearest point to the Historic House to the point where the existing diversion fence turns to the east near to the proposed loop parking area. From this point, extend diversion fence to the north a distance of about 150 linear feet as shown. Install rock outlet protection (ROP III) 8' wide by 24' long, class I riprap at each outfall of the diversion fence as shown.
 - Maintain existing super silt fence (SSF) where shown along the northern limit of disturbance near to Turf Field 5-2. Install super silt fence (SSF) at remaining locations as shown.
 - Install the stabilized construction entrances (SCE) and Inlet protection (IP).
- Notify Sediment Control Inspector and Engineer upon completion of this installation.
- The three development areas for Pavilion construction shall occur such that no more than 20 acres of area is disturbed at one time. This construction project will not exceed 20 acres of disturbance during any time.
- For access and construction of the three development areas for the proposed Pavilions, use only rubber tired construction equipment where access to these areas will be through recently stabilized site construction areas.
- Install storm drains. Construct the 400 series storm drains as part of the Pavilion P-4 work. Construct the 800 series storm drains as part of the Athletic Field 5-2 work. Construct the 100 series storm drains as part of the loop drive work. Construct the 600 series storm drains as part of the Athletic Field 5-1 work. Construct the 500 series storm drains as part of the primary parking area work. Install inlet protection as shown on approved Erosion and Sediment Control Plans.
- Install water and sanitary sewer lines and manholes.
- Final grade and install base course for all road surfaces and parking lots. Install curb and gutter.
- Construct synthetic fields in accordance with manufacturer's specifications including underdrains, concrete edging for fencing, and turf surface. Construction bleachers and walks associated with Fields 1 and 2.
- Final grade the remaining areas and permanently stabilize those areas.
- After all contributing drainage areas have been completely stabilized, install proposed SWM facilities per approved SWM plans.
- Convert Sediment Trap 2 to a Sand Filter per approved SWM plans.
- Pave all road surfaces with the final surface course.
- After permanent stabilization of site with established vegetation and with permission of the Sediment Control Inspector, remove erosion and sediment control measures or devices, and stabilize those areas disturbed by this process.

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<p>DEVELOPER'S CERTIFICATE</p> <p>"I/We certify that all development and construction will be done according to this plan for sediment and erosion control, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."</p> <p><i>Janet DeWheer</i> 8/14/14 HOWARD COUNTY DEPT. OF RECREATION & PARKS - DEVELOPER DATE</p>	<p>ENGINEER'S CERTIFICATE</p> <p>"I certify that this plan for sediment and erosion control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."</p> <p><i>Jennifer Harrington</i> 8/14/14 JENNIFER HARRINGTON, P.E. - ENGINEER DATE</p>
<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p><i>John K. Roberts</i> 8/21/14 HOWARD SOIL CONSERVATION DISTRICT DATE</p>	
<p>APPROVED: DEPARTMENT OF PLANNING & ZONING</p> <p><i>Chris de Groot</i> 9/3/14 DIRECTOR DATE</p> <p><i>Chris de Groot</i> 9/3/14 CHIEF, DEVELOPMENT ENGINEERING DIVISION NY DATE</p> <p><i>Walter L. ...</i> 9/18/14 CHIEF, DIVISION OF LAND DEVELOPMENT DATE</p>	<p>ADDRESS / PERMIT INFORMATION</p> <p>PARCELS: 181, 343, 342, 336, 182, 183, 185 LOT A-21, 185 LOT A-22 ADDRESS: 6400 MANSION LANE L571 / F44, L1055 / F357, L12225 / F340, L5783 / F600, L5341 / F178, L4353 / F1431, L4353 / F1431, L4353 / F1431, GRID 11 & 18, ZONE: M4, TAX MAP NO. 37 IN ELECTION DISTRICT: CENSUS TRACT 6012.02 WATER CODE: 400, SEWER CODE: 252200</p> <p>OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 313-2100</p> <p>DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 313-2100</p>

SITE RESOURCES
Incorporated

Comprehensive Land Planning & Site Design Services

1615 Armitville Pike • Pikesville, Maryland 21110
(410) 952-3000 • Fax (410) 952-3002

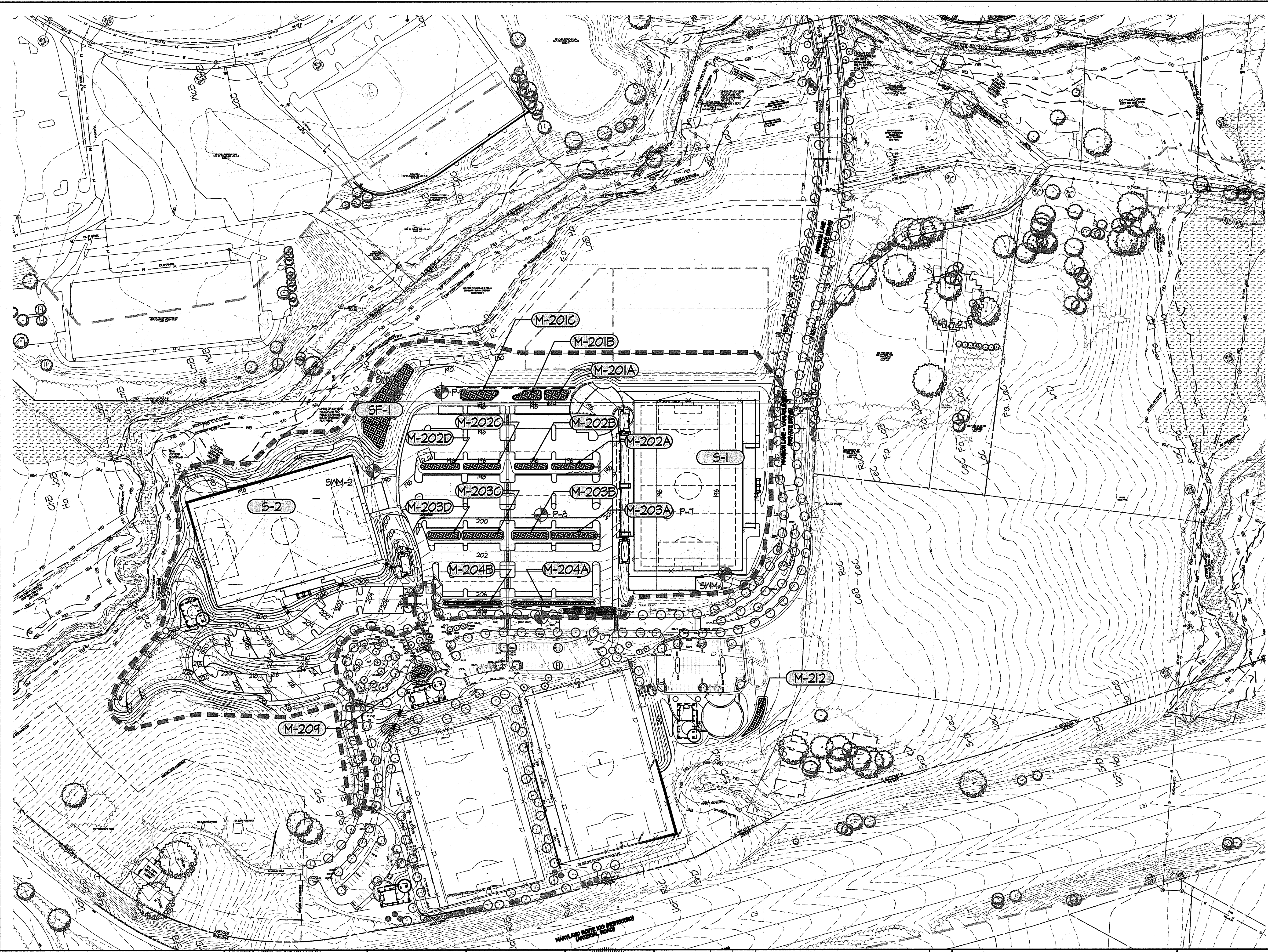
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DRN: JLT/AM				
CHK: AFE				
DATE: 08/14/14				

SEDIMENT TRAP TABLES			
600' SCALE MAP NO.	51	BLOCK NO.	16
DATE			

TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
ESC2.12
SHEET 47 OF 67
SDP-14-033



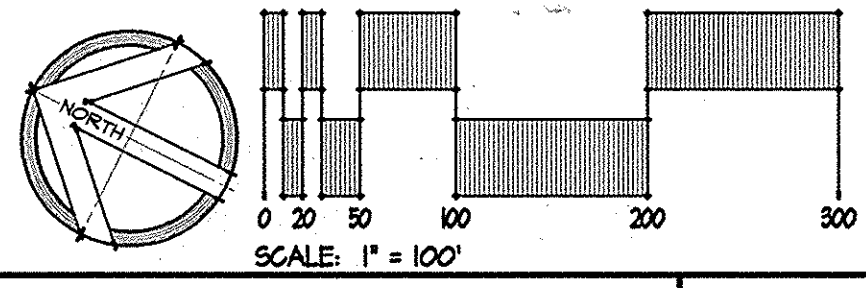
LEGEND (THIS LEGEND APPLIES TO THIS DRAWING ONLY)

- PROPERTY LINE
- - - EXISTING CONTOURS
- - - FB EXISTING FOREST BUFFER
- EXISTING TREES
- EXISTING SHRUBS
- - - EXISTING WALK
- - - EXISTING ROAD
- - - EXISTING CURB
- EX. 15" SD
- EX. 6" WATER
- EXISTING SANITARY SEWER
- EX. 2" GAS
- EX. 2" PROPANE
- EX. FUEL OIL
- EX. TELE
- EX. ELEC
- EX. ELEC OVRH
- EXISTING LIGHTING
- EX. COM
- EX. CATV
- EX. FO
- EX. CWS
- EX. CWR
- EX. HWS
- EX. HWR
- EXISTING FENCE
- EXISTING GUARDRAIL

ESD TABLE (THIS TABLE APPLIES TO SHEETS SWM1.00 - SWM1.04)

ESD NO.	DETAIL REFERENCE	APPROX. PLANTING MEDIA DIMENSIONS (FT X FT)	PLANTING MEDIA AREA (SF)	PERFORATED 4" PIPE (LF)	NEAREST SOIL BORING
M-201A	#1 / SHT. SWM2.01	20 X 50	160	45	S-14
M-201B	#1 / SHT. SWM2.01	20 X 45	180	40	S-14
M-201C	#1 / SHT. SWM2.01	20 X 75	1480	70	S-13
M-202A	#1 / SHT. SWM2.01	14 X 94	1280	84	B-201
M-202B	#1 / SHT. SWM2.01	14 X 75	1000	68	P-8
M-202C	#1 / SHT. SWM2.01	14 X 82	1120	77	P-8
M-202D	#1 / SHT. SWM2.01	14 X 86	1170	81	SWM-2
M-203A	#1 / SHT. SWM2.01	14 X 91	1310	94	P-8
M-203B	#1 / SHT. SWM2.01	14 X 75	1070	70	P-8
M-203C	#1 / SHT. SWM2.01	14 X 86	1200	81	P-8
M-203D	#1 / SHT. SWM2.01	14 X 88	1240	83	B-201
M-204A	#1 / SHT. SWM2.01	5 X 130	840	175	P-4
M-204B	#1 / SHT. SWM2.01	5 X 130	640	125	P-3
M-204	#1 / SHT. SWM2.01	20 X 50	440	45	B-214
M-212	#1 / SHT. SWM2.01	15 X 80	1220	75	B-217
S-1	SHT C2.05	-	-	-	P-1
S-2	SHT C2.05	-	-	-	SWM-2
SF-1	#1 / SHT. SWM2.02	-	-	-	SWM-3

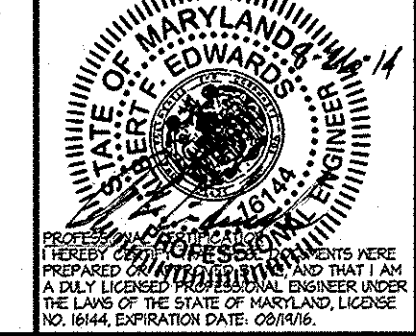
* REFER TO GEOTECHNICAL REPORTS FOR SPECIFIC SOIL BORING INFORMATION



APPROVED: DEPARTMENT OF PLANNING & ZONING
[Signature]
 DIRECTOR
 DATE: 9/4/14
 DATE: 9/3/14
 DATE: 9/12/14

ADDRESS / PERMIT INFORMATION
 PARCEL: 244, 245, 246, 256, 190, 195, 196 LOT A-21, 195 LOT A-22
 ADDRESS: 6420 HANSON LANE
 L1371 / F.44, L1055 / F.31, L1225 / F.91, L1515 / F.60, L1541 / F.13, L1633 / F.41, L1633 / F.40, L1633 / F.40
 GRID T1, 1, 2016, H1, 103, 11, 40, 51
 NE ELECTION DISTRICT, GEORGIA TRACT 5012.02
 WATER CODE: 400, SEWER CODE: 202200
 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100
 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100

SITE RESOURCES
 Incorporated
 Comprehensive Land Planning & Site Design Services
 14315 Annettsville Pike • Pikesville, Maryland 21113
 (410) 883-3338 • fax (410) 883-3339



DES: JLT
 DRN: JLT/AM
 CHK: AFE
 DATE: 08/14/14

BY	NO.	REVISION	DATE

STORMWATER MANAGEMENT SITE MAP

600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22

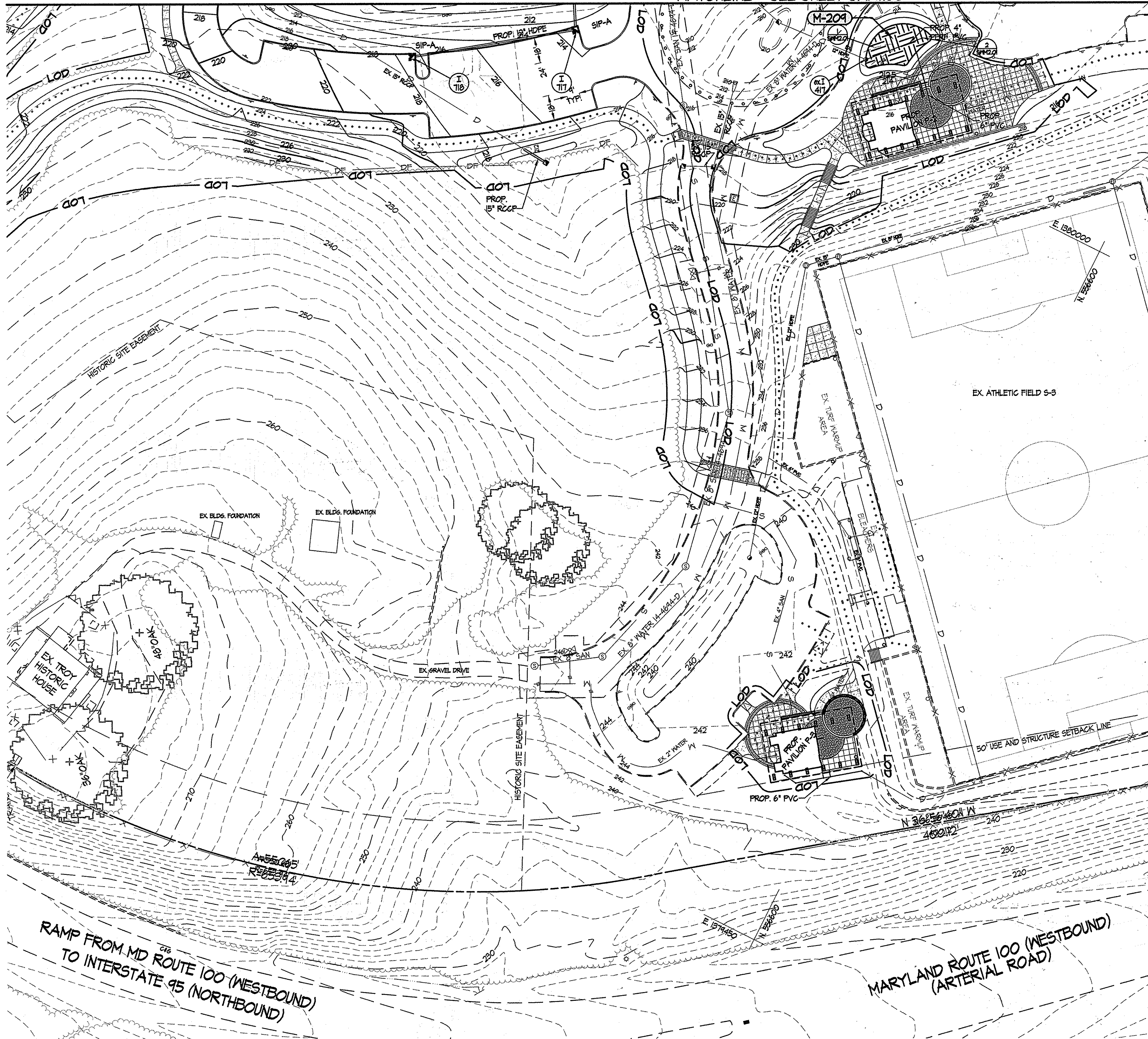
CAPITAL PROJECT NO. N-3451 HOWARD COUNTY, MARYLAND

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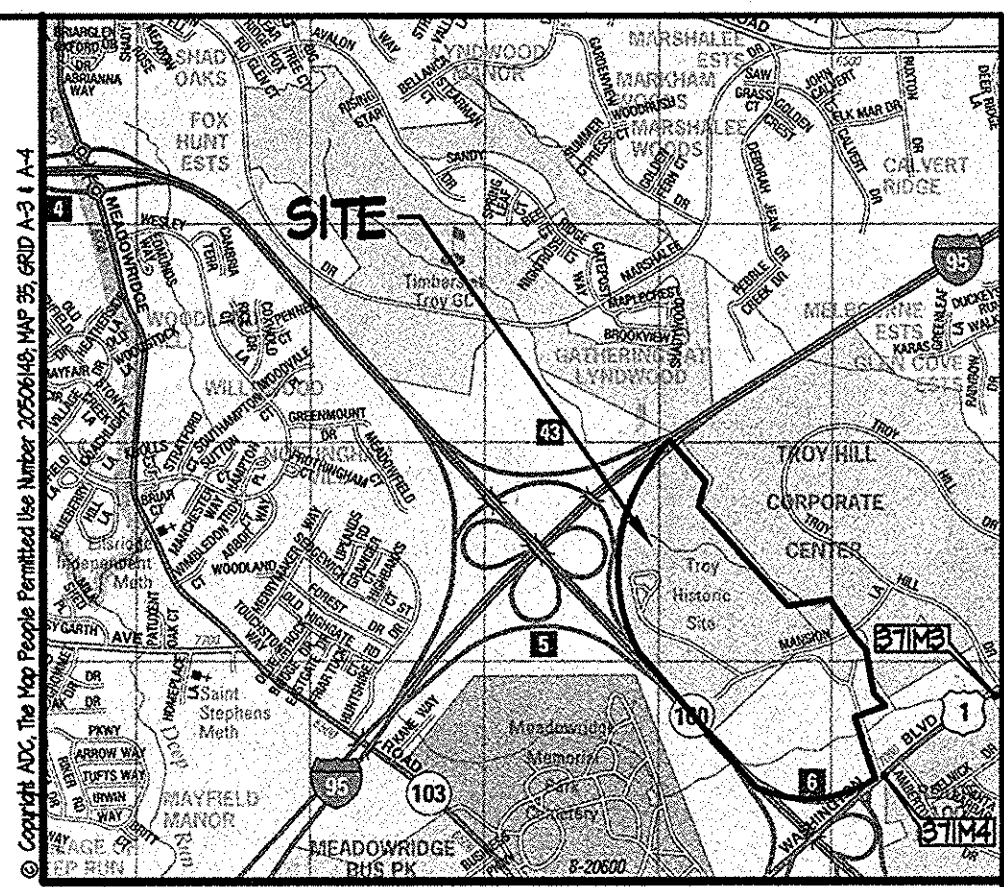
SWM1.00 SHEET 48 OF 61

SDP-14-033

MATCHLINE - SEE SHEET SWMI.03



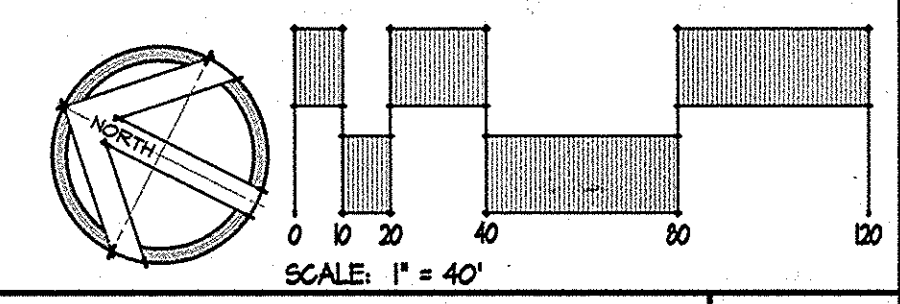
MATCHLINE - SEE SHEET SWMI.02



VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO DRAWINGS SWMI.01 THROUGH SWMI.06 ONLY)

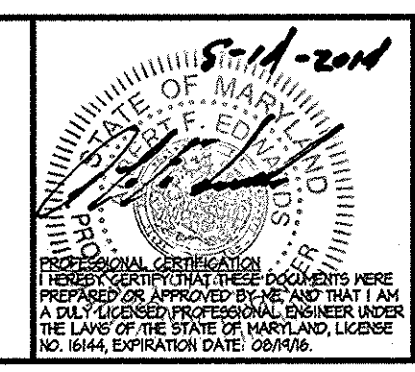
- PROPERTY LINE
- - - EXISTING TREELINE
- FB EXISTING FOREST BUFFER
- EXISTING TREES
- EXISTING SHRUBS
- - - EXISTING WALK
- - - EXISTING ROAD
- === EXISTING CURB
- ⊙ EX 15" SD EXISTING STORM DRAIN
- ⊙ EX 6" WATER EXISTING WATER
- ⊙ EX 8" SAN EXISTING SANITARY SEWER
- ⊙ EX TELE EXISTING TELEPHONE
- ⊙ EX ELEC EXISTING ELECTRIC
- ⊙ EX ELEC OHM EXISTING OVERHEAD ELECTRIC
- ⊙ EX LIGHT EXISTING LIGHTING
- ⊙ EX COM EXISTING COMMUNICATIONS
- ⊙ EX CATV EXISTING CABLE TV
- ⊙ EX FO EXISTING FIBER OPTIC
- x x EXISTING FENCE
- o o EXISTING GUARDRAIL
- o EXISTING FLAGPOLE
- ▭ EXISTING BUILDING
- - - EXISTING WETLANDS
- WBS WETLAND BUFFER
- - - EXISTING STREAM
- SB EXISTING STREAM BUFFER
- - - EXISTING 100 YR FLOODPLAIN



3/10/2014 10:53 AM P:\Projects\14-033\14-033-02\14-033-02.dwg Aug 13, 2014 11:51 AM JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING
Mark S. Coughlin 9/16/14 DATE
 DIRECTOR
Chris E. ... 9-2-14 DATE
 CHIEF, DEVELOPMENT ENGINEERING DIVISION NY
Ken ... 9-2-14 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 PARCELS: 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



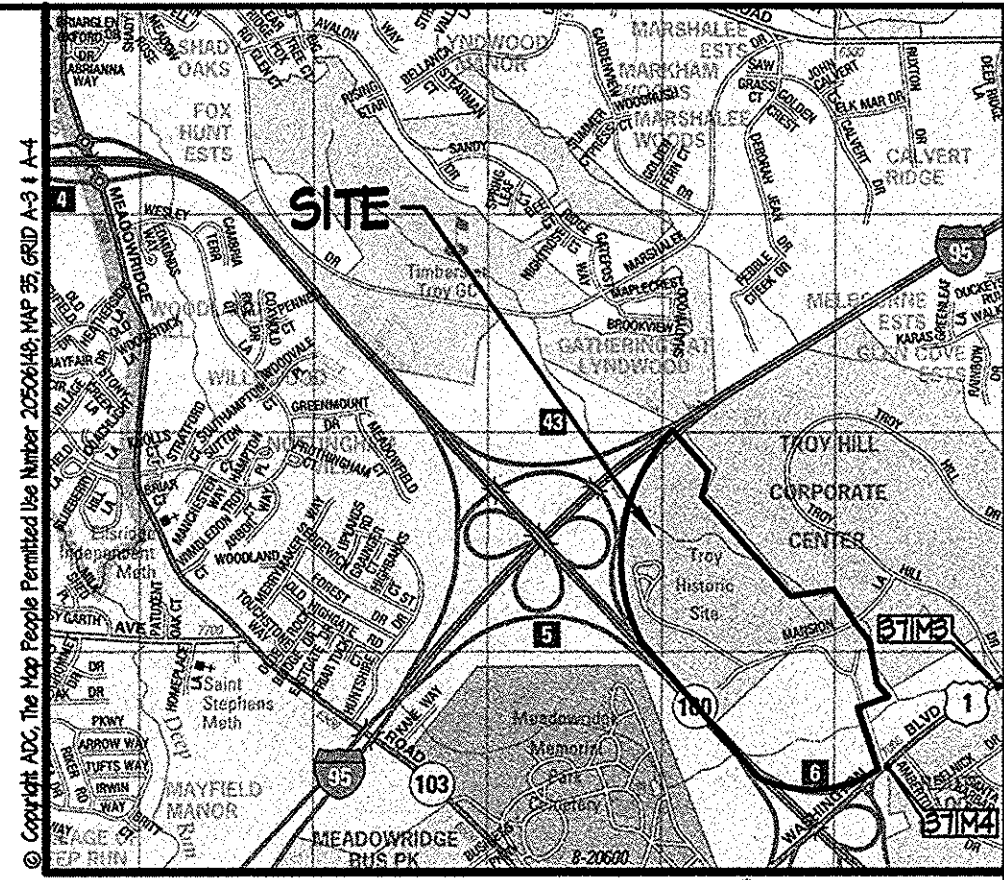
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DRN:	JLT/AM	BY:	NO.
CHK:	AFE	REVISION:	
		DATE:	

STORMWATER MANAGEMENT PLAN			
600' SCALE MAP NO.	51	BLOCK NO.	16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE 11B PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND

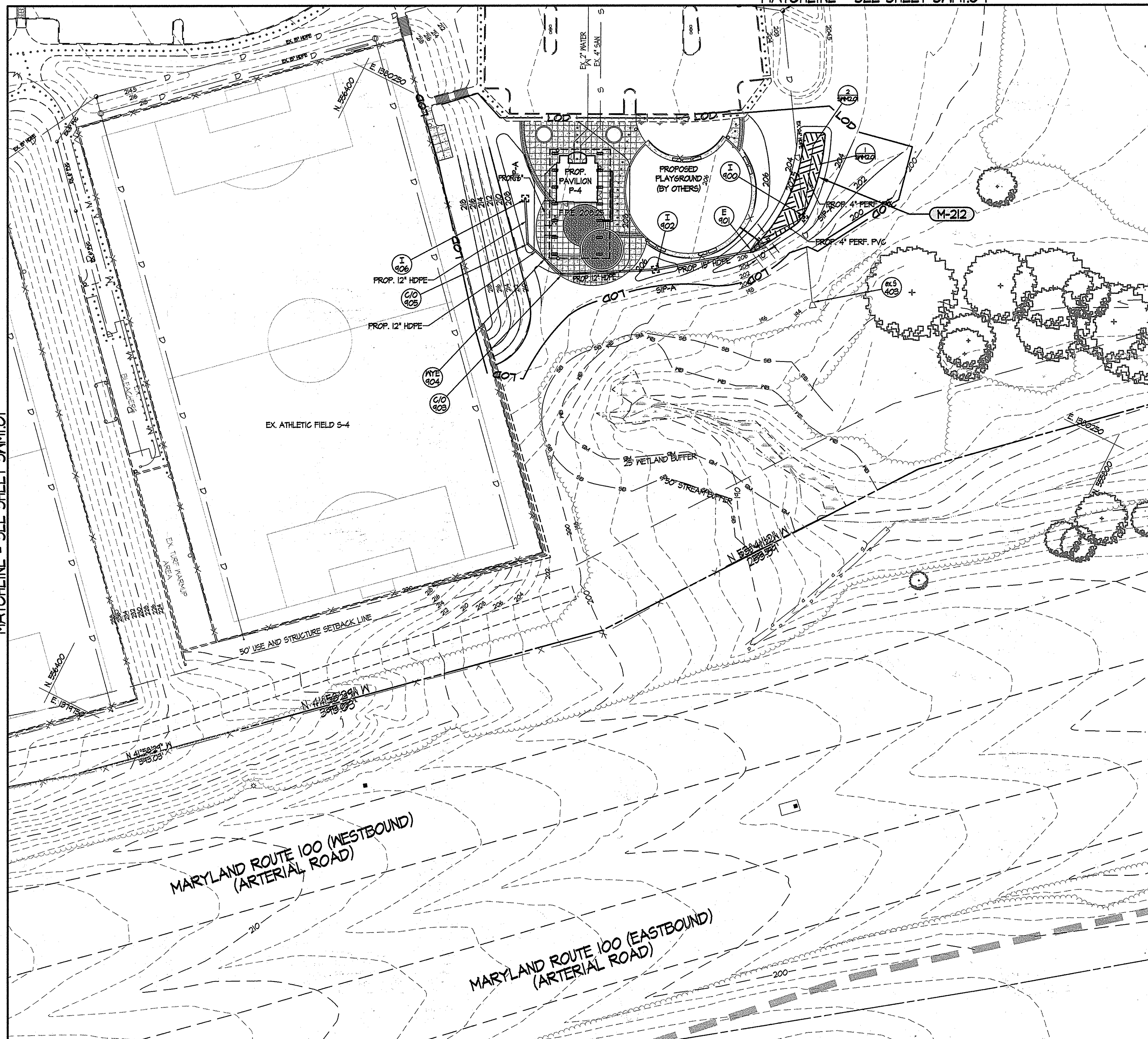
SCALE: 1"=40'
 SWMI.01
 SHEET 44 OF 67
 SDP-14-033

MATCHLINE - SEE SHEET SWMI.04

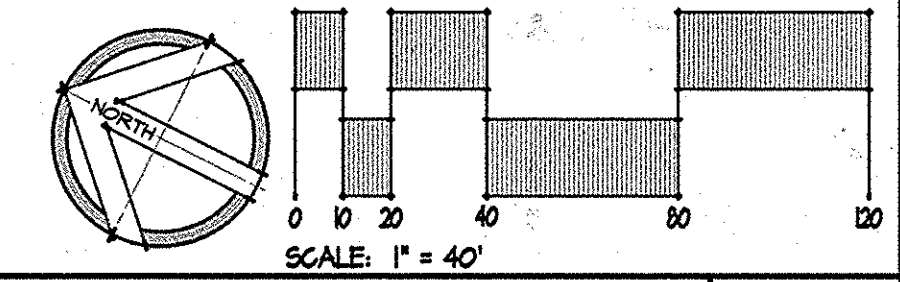


VICINITY MAP 1"=2000'

MATCHLINE - SEE SHEET SWMI.01

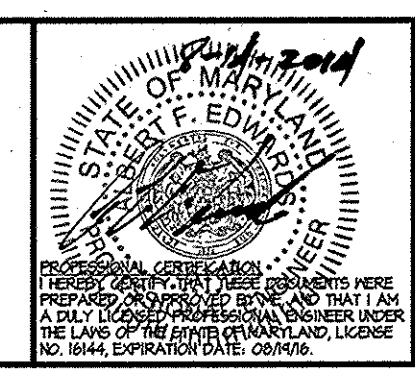


T:\101002-103 Park Phase II Site Development Plan\DWG\SWMI.02 SWM Planning Layout.dwg Aug 18, 2014 1:56pm -LT



APPROVED: DEPARTMENT OF PLANNING & ZONING	ADDRESS / PERMIT INFORMATION
<i>M.S.A. Gagliardi</i> DIRECTOR	PARCELS: 281, 282, 283, 102, 103, 104, 105, 106 LOT A-21, 105 LOT A-22
<i>Chad E. ...</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	ADDRESS: 6400 MANSION LANE
<i>Kate ...</i> CHIEF, DIVISION OF LAND DEVELOPMENT	LOT 1 / F.A. 1, L10559 / F.P. 251, L12209 / F.P. 940, L15703 / F.P. 600, L15944 / F.P. 1493 / F.P. 431, L1493 / F.P. 940, L1493 / F.P. 940, GRID 11 & 12, ZONE: M4, TAX MAP NO. 31 IN ELKTON DISTRICT, CENSUS TRACT 6012.02 WATER CODE: 400, SEWER CODE: 262200
DATE: 9/16/14	OWNER:
DATE: 9/3/14	HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
DATE: 9/18/14	1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
	PHONE: (410) 388-2700
	DEVELOPER:
	HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
	1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
	PHONE: (410) 388-2700

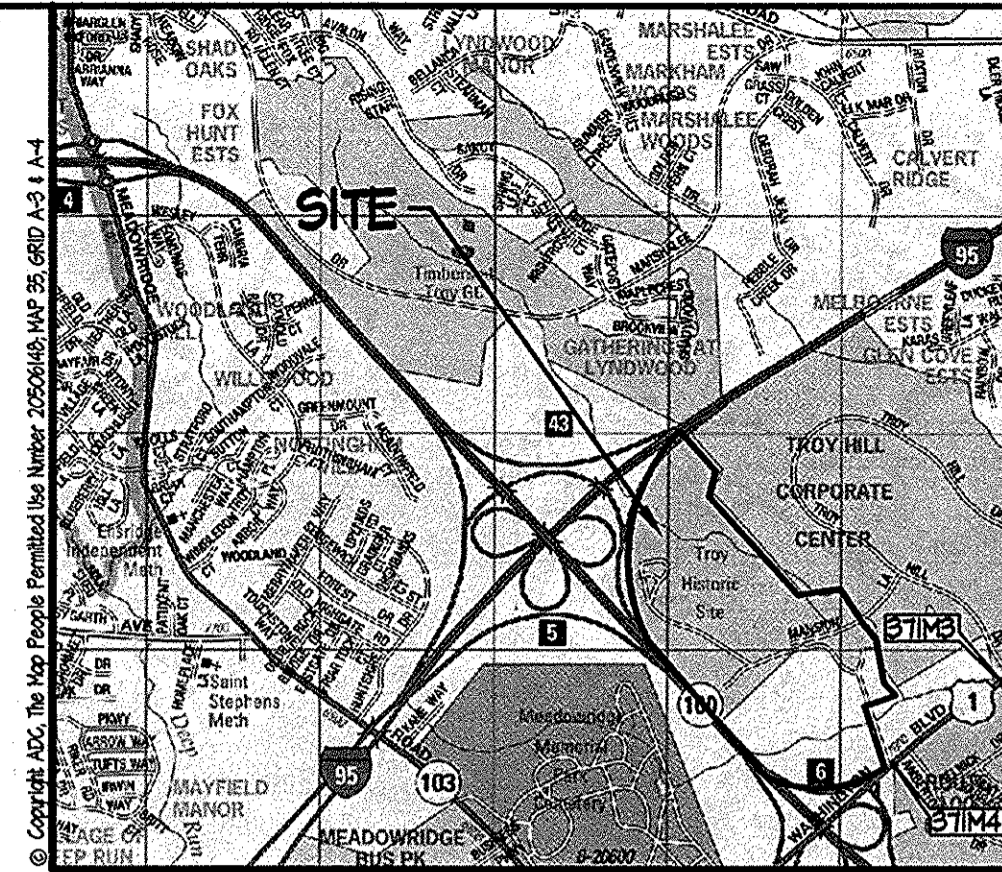
SITE RESOURCES
INCORPORATED
Comprehensive Land Planning & Site Design Services
14165 Arrettable Pike • Pikesville, Maryland 21115
(410) 652-3333 • fax (410) 652-3332



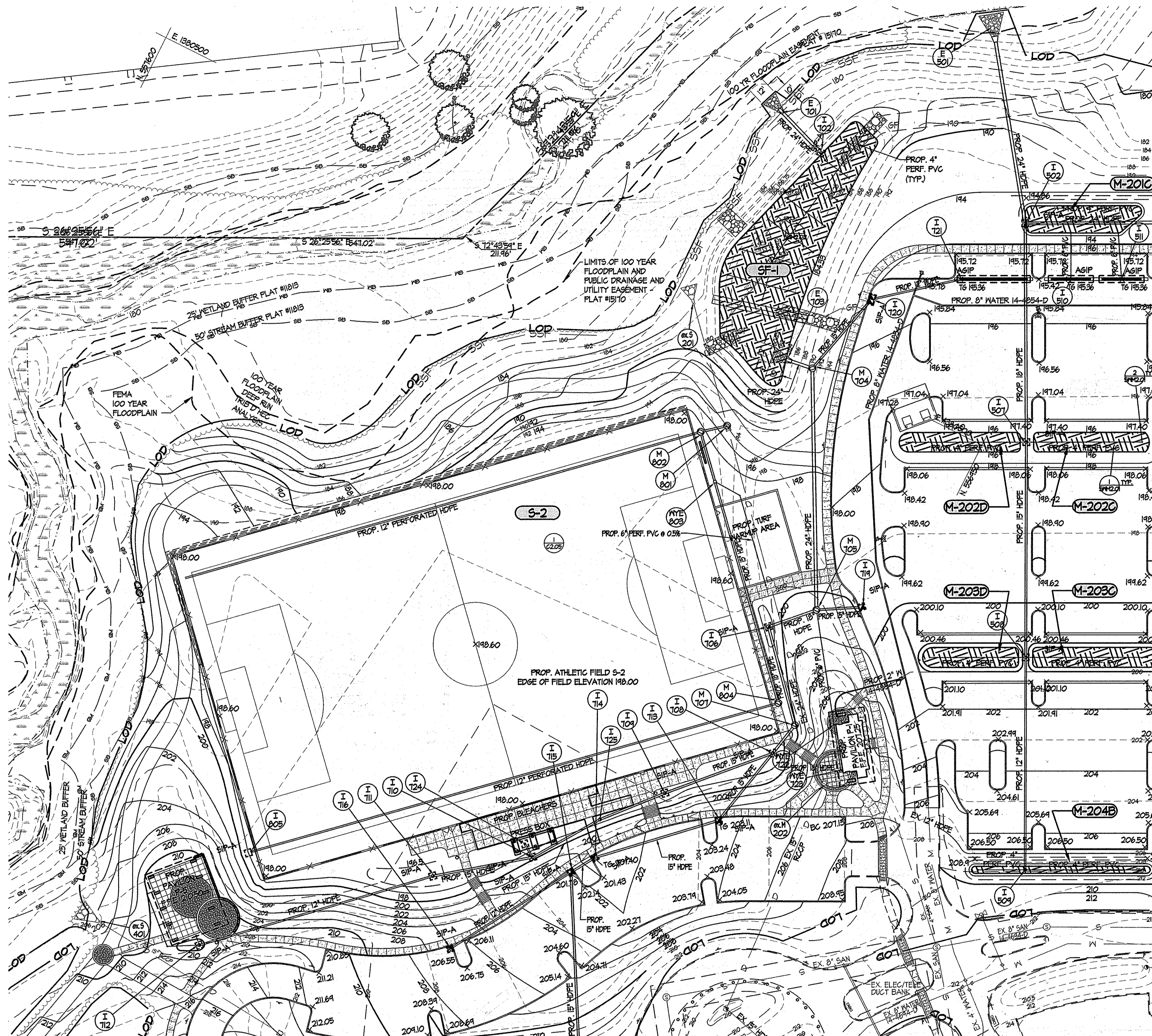
DES: JLT				
DRN: JLT/AM				
CHK: AFE				
DATE: 08/14/14	BY	NO.	REVISION	DATE

STORMWATER MANAGEMENT PLAN	
600' SCALE MAP NO. 51	BLOCK NO. 16

TROY PARK - PHASE TWO	
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22	
CAPITAL PROJECT NO. N-3457	HOWARD COUNTY, MARYLAND
SCALE: 1"=40'	
SWMI.02	
SHEET 50 OF 61	
SDP-14-033	

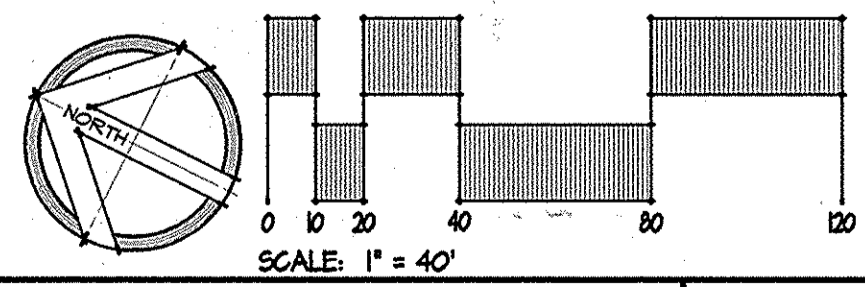


VICINITY MAP 1"=2000'



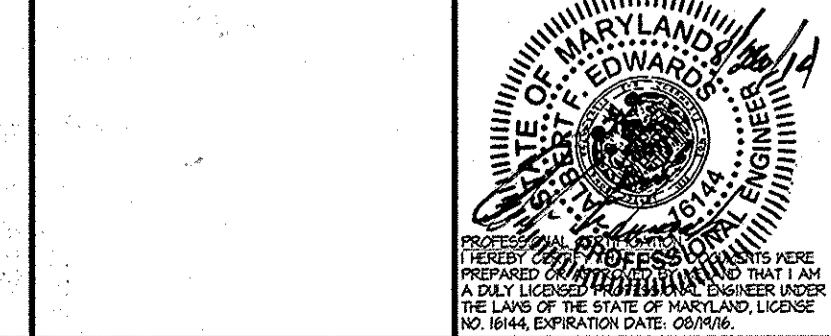
MATCHLINE - SEE SHEET SWMI.04

MATCHLINE - SEE SHEET SWMI.01



APPROVED: DEPARTMENT OF PLANNING & ZONING
Director: [Signature]
Date: 9/14/14
Chief, Development Engineering Division: [Signature]
Date: 9/11/14
Chief, Division of Land Development: [Signature]
Date: 9/18/14

ADDRESS / PERMIT INFORMATION
PARCELS: 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000
ADDRESS: 6400 MANSION LANE
LST#1 / F. 44, L. 0082 / F. 251, L. 2206 / F. 940, L. 5183 / F. 600,
L. 541 / F. 18, L. 483 / F. 431, L. 680 / F. 40, L. 818 / F. 640
GRID 11 & 12, ZONE 14-1, TAX MAP NO. 51
IN ELECTION DISTRICT, CONGRESSIONAL DISTRICT 5D2.02
WATER CODE: 400, SEWER CODE: 252200
OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1202 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE (410) 312-2100
DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1202 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE (410) 312-2100

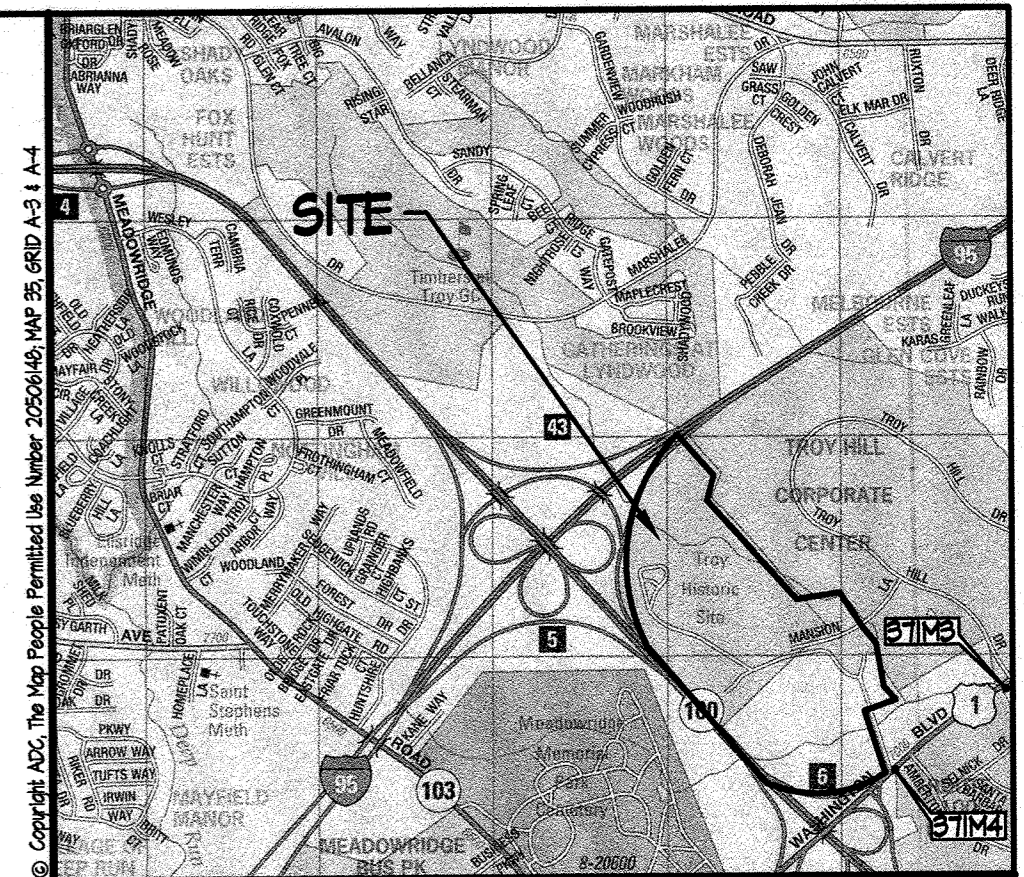


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DRN: JLT/AM
CHK: AFE
DATE: 08/14/14

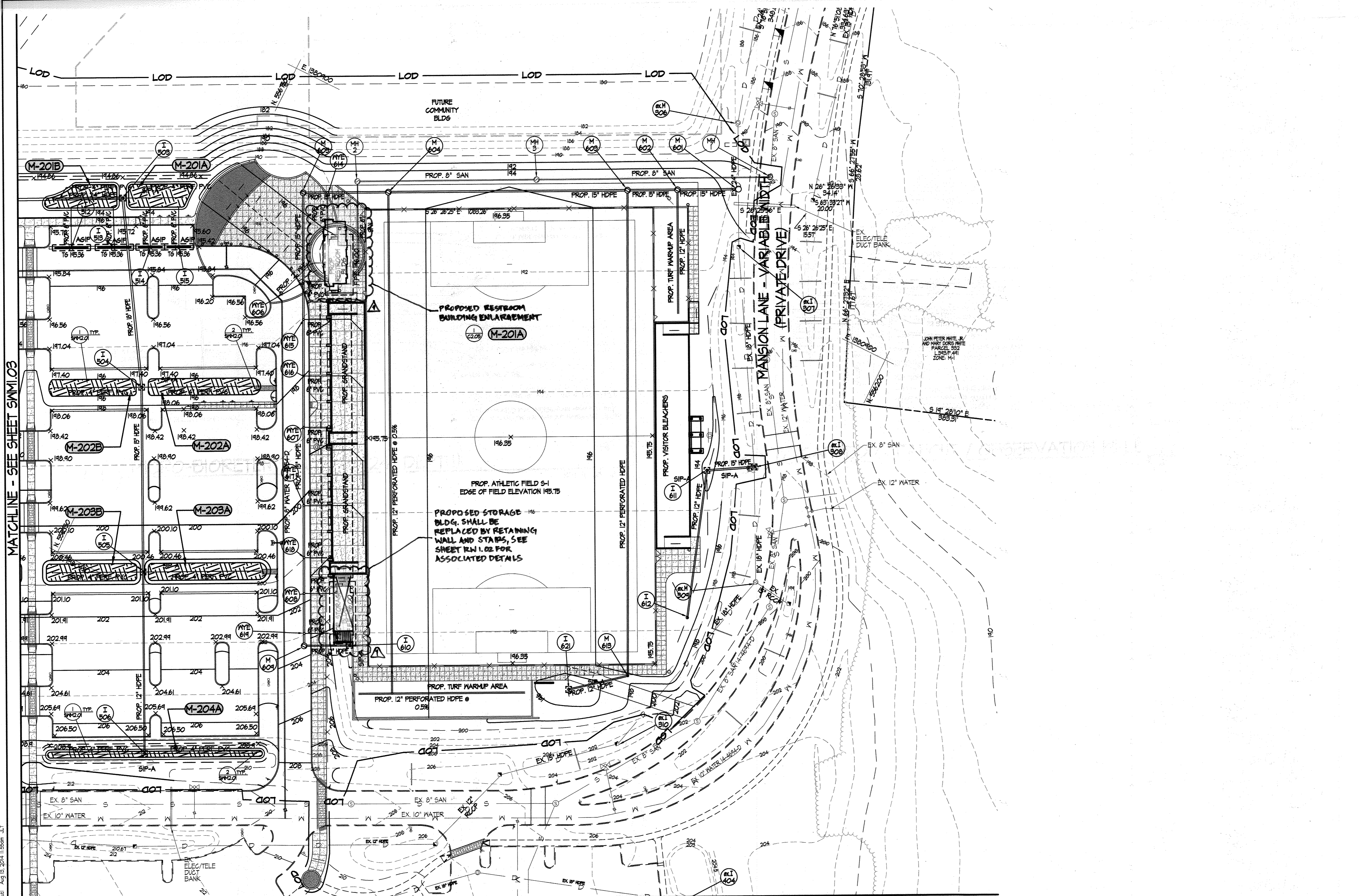
BY	NO.	REVISION	DATE

STORMWATER MANAGEMENT PLAN
600' SCALE MAP NO. 51 BLOCK NO. 16

SCALE: 1"=40'
TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE 11B PARCELS A-21 AND A-22
CAPITAL PROJECT NO. N-3457
HOWARD COUNTY, MARYLAND
SHEET 51 OF 61
SDP-14-033

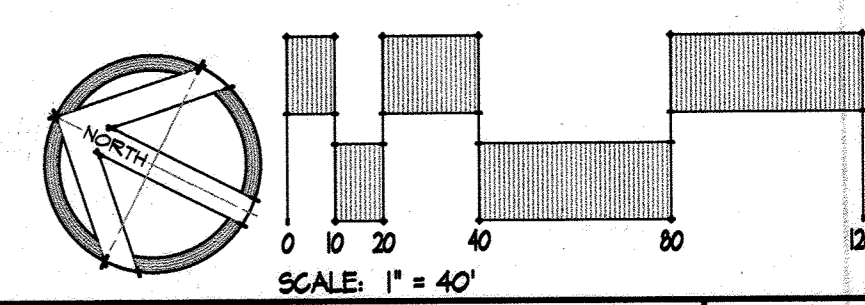


VICINITY MAP 1"=2000'



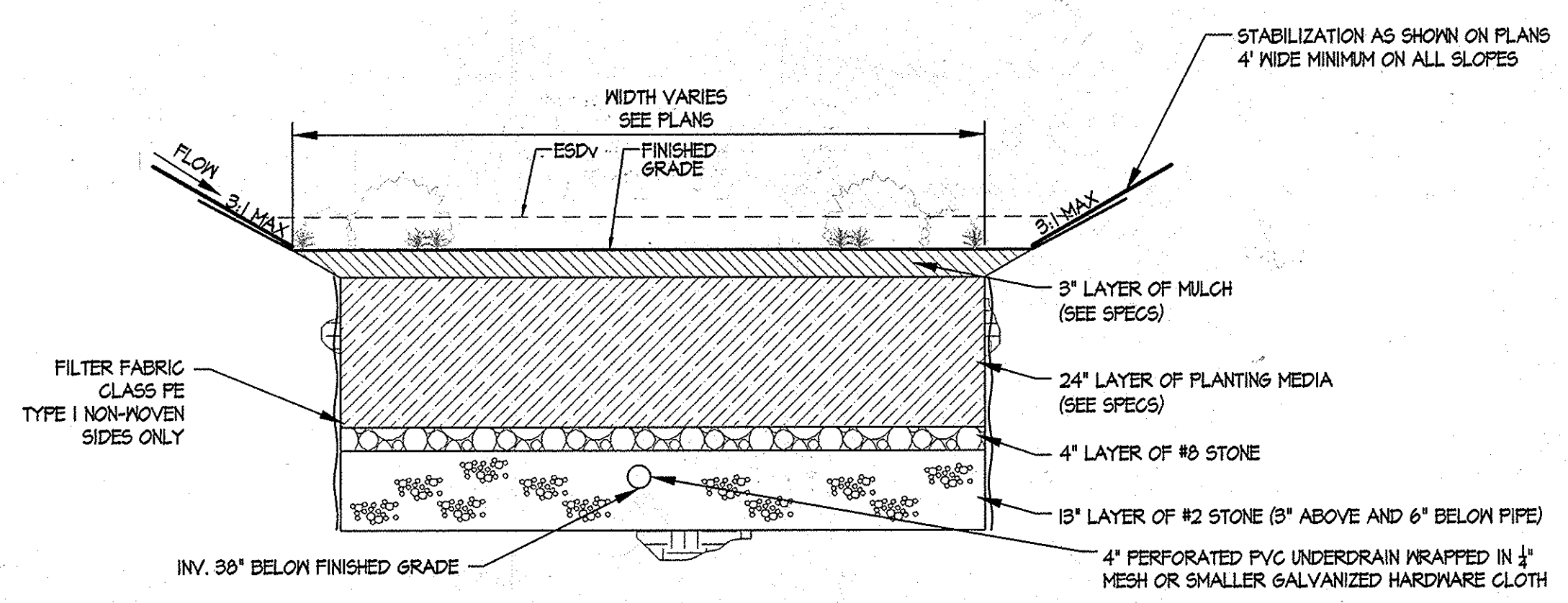
MATCHLINE - SEE SHEET SWMI.03

MATCHLINE - SEE SHEET SWMI.02

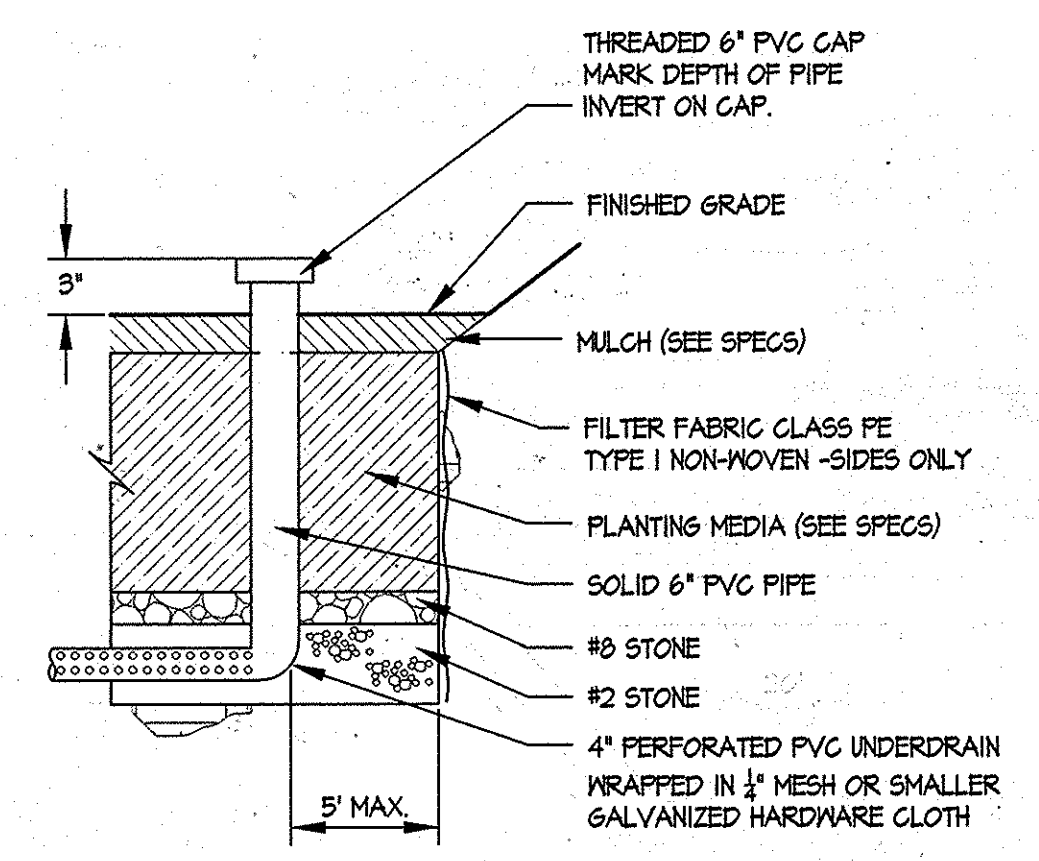


APPROVED: DEPARTMENT OF PLANNING & ZONING <i>[Signature]</i> DIRECTOR DATE: 9/10/14	ADDRESS / PERMIT INFORMATION PARCEL 541 546 542 536 140 105 105 LOT A-21, 105 LOT A-22 ADDRESS: 6400 MANSION LANE L571 / F44, L5255 / F351, L12205 / F340, L5153 / F400, L5841 / F70, L4853 / F457, L4853 / F490, L6153 / F. 640 6802 714 10, ZONE M1, TAX MAP NO. 37 IN ELECTION DISTRICT, GENESIS TRACT 603.02 WATER CODE: 600, SEWER CODE: 295200		DES: JLT	SRI: A	BUILDING REVISIONS	9/14/14	
			DRN: JLT/AM	CHK: AFE	DATE: 08/14/14	BY: NO.	REVISION
CHIEF, DEVELOPMENT ENGINEERING DIVISION <i>[Signature]</i> CHIEF, DIVISION OF LAND DEVELOPMENT	OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 319-2100	DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 319-2100	14815 Inverness Pike • Poolesville, Maryland 21131 (410) 883-3388 • fax (410) 883-3389		600' SCALE MAP NO. 51 BLOCK NO. 16	CAPITAL PROJECT NO. N-39457 HOWARD COUNTY, MARYLAND	
STORMWATER MANAGEMENT PLAN						TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22	
SHEET 52 OF 61						SHEET SWMI.04	

T:\100242-101_Park Phase II_Site Development_Plan\DWG\SWMI.04 SWM Plan.dwg - Layout - Aug 18, 2014 11:58am - JLT



① MICRO-BIORETENTION (M-6) (24" DEPTH) NOT TO SCALE



② 6" CAPPED CLEANOUT / OBSERVATION WELL NOT TO SCALE

T:\010002-033 Proj Files 11 Site Development Plans\010002-033 SWM Details.dwg - Log.dwg Aug 13, 2014 11:54am JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING <i>[Signature]</i> 9/6/14 DATE DIRECTOR <i>[Signature]</i> 9/3/14 DATE CHIEF, DEVELOPMENT ENGINEERING DIVISION <i>[Signature]</i> 9/18/14 DATE CHIEF, DIVISION OF LAND DEVELOPMENT		ADDRESS / PERMIT INFORMATION PARCEL: 281, 282, 283, 284, 285, 195 LOT A-21, 195 LOT A-22 ADDRESS: 6400 MANSION LANE L1571 / F444, L10259 / F357, L12225 / F340, L5193 / F300, L1534 / F130, L4553 / F451, L4553 / F190, L4553 / F1, 540 GRID T1 & B, ZONE: M4, TAX MAP NO: 37 IN ELECTION DISTRICT: CENSUS TRACT 6032.02 WATER CODE: 400, SEWER CODE: 252200 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 335-2100 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS 1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046 PHONE (410) 335-2100				DES: JLT DRN: JLT/AM CHK: AFE DATE: 08/14/14		BY NO. REVISION DATE 600' SCALE MAP NO. 51 BLOCK NO. 16		STORMWATER MANAGEMENT DETAILS TROY PARK - PHASE TWO PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22 CAPITAL PROJECT NO. N-3457 HOWARD COUNTY, MARYLAND		SCALE: AS SHOWN SWM2.01 SHEET 53 OF 61 SDP-14-033	
--	--	---	--	--	--	---	--	--	--	--	--	--	--

LOG OF BORING NO. B-2

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-7.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. B-2

LOG OF BORING NO. B-5

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-5.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. B-5

LOG OF BORING NO. B-6

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-6.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. B-6

LOG OF BORING NO. LP-1

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-8.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. LP-1

LOG OF BORING NO. P-2

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-4.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. P-2

LOG OF BORING NO. P-3

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-4.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. P-3

LOG OF BORING NO. P-4

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-4.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. P-4

LOG OF BORING NO. P-8

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-4.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. P-8

LOG OF BORING NO. S-9

Sheet 1 of 1

Table with columns for Sample Number, Sample Depth, Sample Recovery, Blower Hole, N (blow count), Elevation (ft), UBCS, and Remarks. Includes data for samples S-1 to S-8.

NOTES: GEO-TECHNOLOGY ASSOCIATES, INC. LOG OF BORING NO. S-9

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction soil erosion and sediment control.

USDA - Natural Resources Conservation Service Date
These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Howard Soil Conservation District Date

BY THE ENGINEER:
I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.
Signature of Engineer: Albert F. Edwards, P.E. Date: 8/14/2014

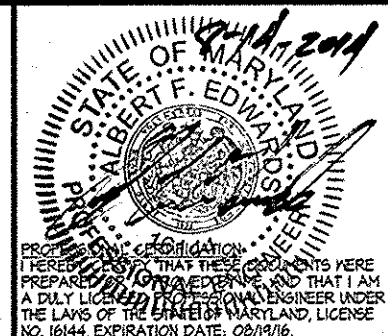
BY THE DEVELOPER:
I/we certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District.
Signature of Developer: Laura T. Wetherford Date: 8/14/2014

T:\100462-Troy Park Phase II Site Development Plans\DWG\DWG_P2_200_Soil Borings.dwg - Aug 18, 2014 11:52am - JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING
Chief, Development Engineering Division
Chief, Division of Land Development

ADDRESS / PERMIT INFORMATION
PARCELS: 801 (S4), 842 (S4), 894 (S4), 895 (S4) LOT A-21, 895 LOT A-22
ADDRESS: 640 MANSION LANE
L371 / F344, L3089 / F357, L3229 / F340, L3789 / F600,
L5341 / F170, L3653 / F651, L4353 / F1640, L4358 / F1740

SITE RESOURCES INCORPORATED
Comprehensive Land Planning & Site Design Services
1815 Annetonville Pike • Pikesville, Maryland 21118
(410) 662-3300 • Fax: (410) 662-3367



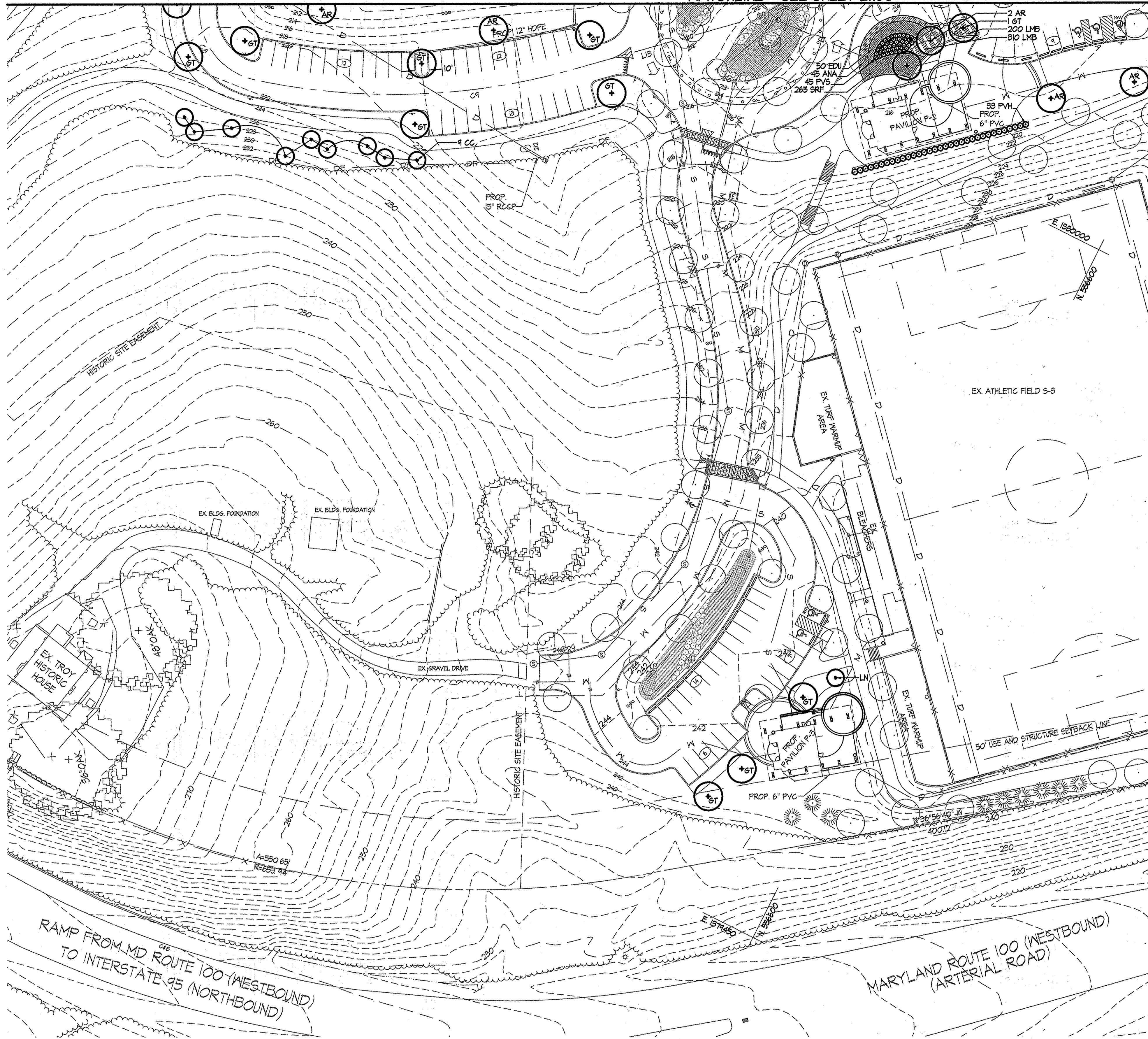
DES: JLT
DRN: JLT/AM
CHK: AFE
DATE: 08/14/14

Table for SOIL BORINGS with columns for NO., REVISION, and DATE. Includes entry 600' SCALE MAP NO. 51, BLOCK NO. 16, DATE 8/14/14.

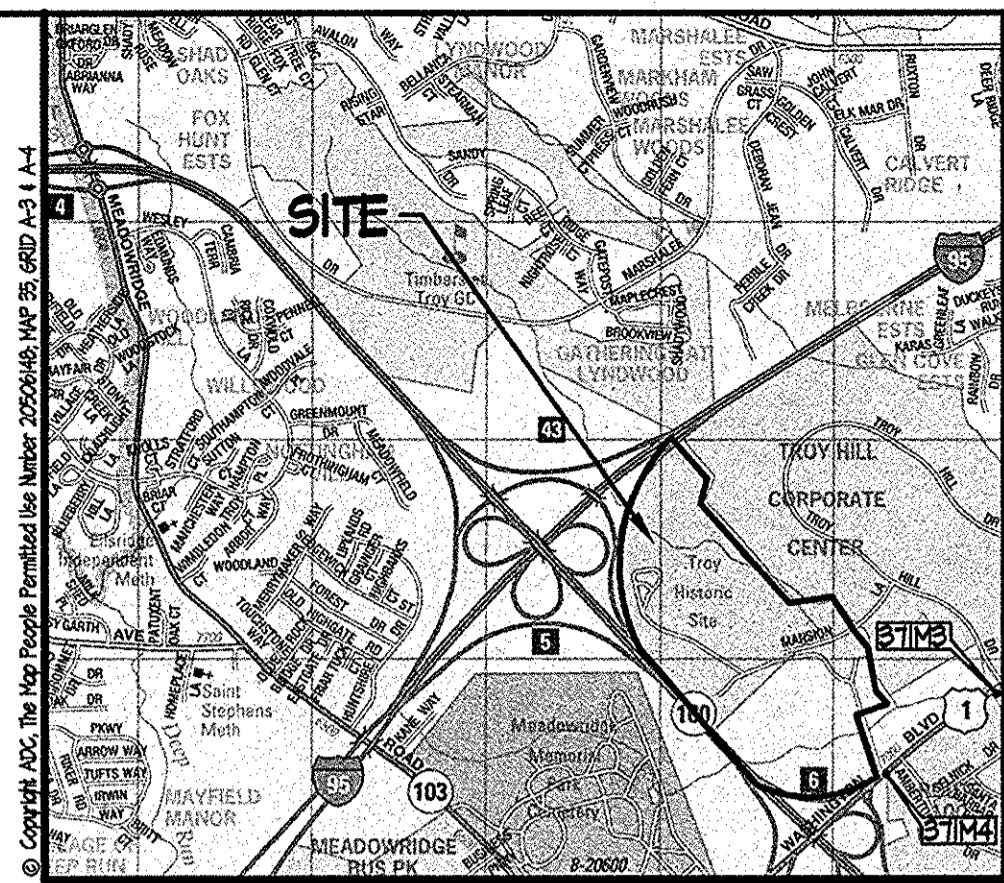
CAPITAL PROJECT NO. N-3457

SCALE: AS SHOWN
SWM2.21 SHEET 57 OF 67
SDP-14-033

MATCHLINE - SEE SHEET LI.03



MATCHLINE - SEE SHEET LI.02



VICINITY MAP 1"=2000'

LEGEND (THIS LEGEND APPLIES TO DRAWINGS LI.01 THROUGH LI.04 ONLY)

	PROPERTY LINE		EXISTING WALK
	EXISTING CONTOURS		EXISTING ROAD
	EXISTING TREELINE		EXISTING CURB
	EXISTING FOREST BUFFER		EXISTING STORM DRAIN
	EXISTING TREES		EXISTING WATER
	EXISTING SHRUBS		EXISTING SANITARY SEWER
	EXISTING PHASE I TREES TO REMAIN		EXISTING GAS
	PROPOSED SHADE TREE		EXISTING PROPANE
	PROPOSED ORNAMENTAL TREE		EXISTING FUEL OIL
	PROPOSED SHRUBS		EXISTING TELEPHONE
	PROPOSED GROUNDCOVERS/PERENNIALS/GRASSES		EXISTING ELECTRIC
			EXISTING OVERHEAD ELECTRIC
			EXISTING LIGHTING
			EXISTING COMMUNICATIONS
			EXISTING CABLE TV
			EXISTING FIBER OPTIC
			EXISTING CHILLED WATER SUPPLY
			EXISTING CHILLED WATER RETURN
			EXISTING HOT WATER SUPPLY
			EXISTING HOT WATER RETURN
			EXISTING FENCE
			EXISTING GUARDRAIL
			EXISTING FLAGPOLE
			EXISTING BUILDING
			EXISTING WETLANDS
			WETLAND BUFFER
			EXISTING STREAM
			EXISTING STREAM BUFFER
			EXISTING 100 YR FLOODPLAIN

T:\010002-Troy Park Phase II Site Development Planning\LI.01 Planting\Legend.dwg Aug 18, 2014 1:52pm AJT

APPROVED: DEPARTMENT OF PLANNING & ZONING

M.S. McGlynn 9/16/14
DIRECTOR DATE

Chad Edin 9.15.14
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

West 9.18.14
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

ADDRESS / PERMIT INFORMATION
PARCELS: 651, 648, 642, 634, 628, 621, 615, 609 LOT A-21, 155 LOT A-22
ADDRESS: 6400 MANSION LANE
LSD#1 / F.A.#, L10255 / F1351, L12205 / F1940, L5105 / F1800,
L534 / F178, L455 / F431, L455 / F1940, L455 / F1, 940
GRID 11 & 12, ZONE: M4, TAX MAP NO: 31
IN ELECTION DISTRICT: GENESIS TRACT 602.02
WATER CODE: 400, SEWER CODE: 2152200

OWNER:
HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE (410) 312-2100

DEVELOPER:
HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE (410) 312-2100

SITE RESOURCES
INCORPORATED
Comprehensive Land Planning & Site Design Services
14156 Jurettville Pike • Poolesville, Maryland 21111
(410) 952-3338 • Fax (410) 952-3389

DES: JLT
DRN: JLT/AM
CHK: AFE
DATE: 08/14/14

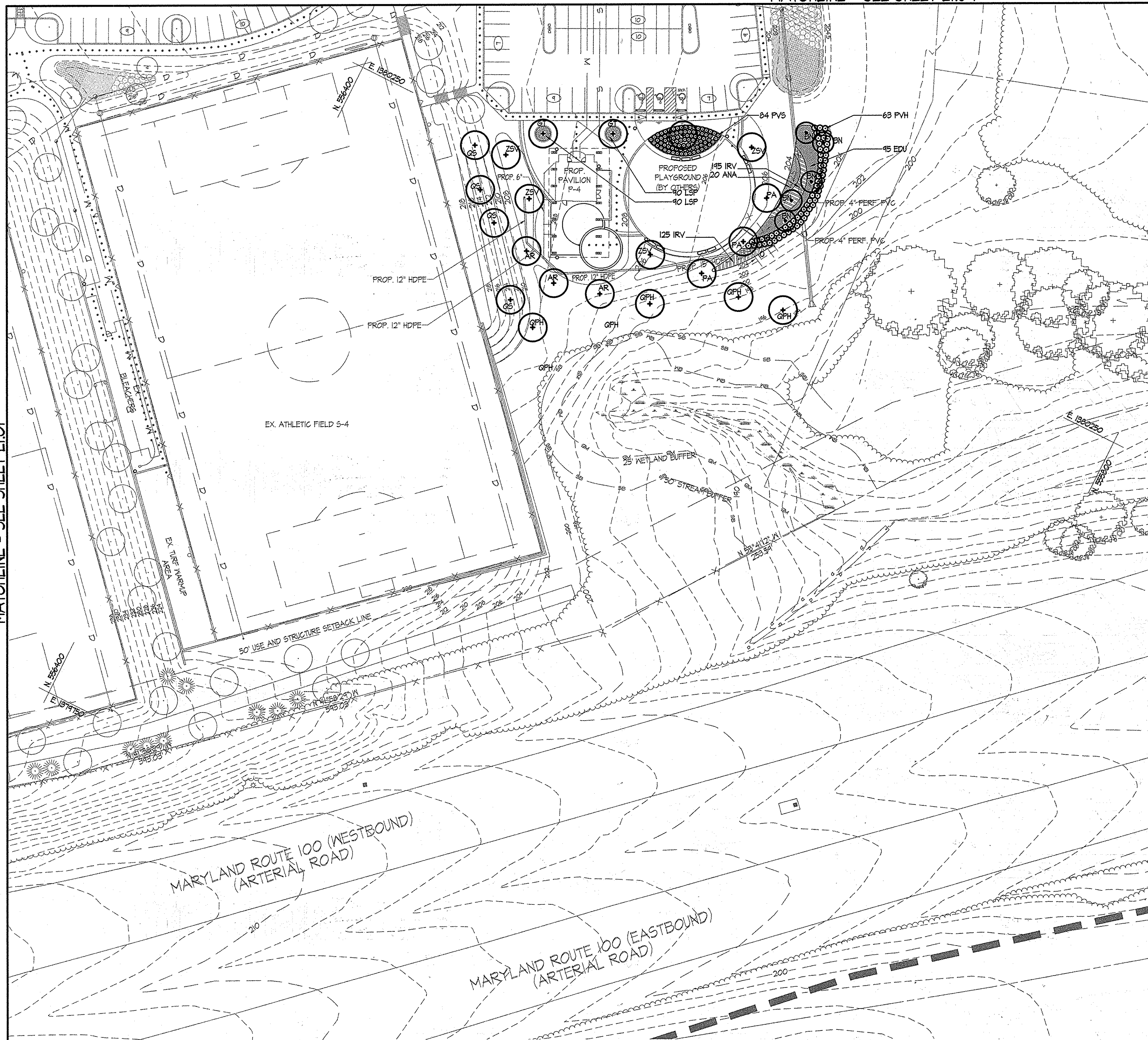
BY	NO.	REVISION	DATE

600' SCALE MAP NO. 51 BLOCK NO. 16

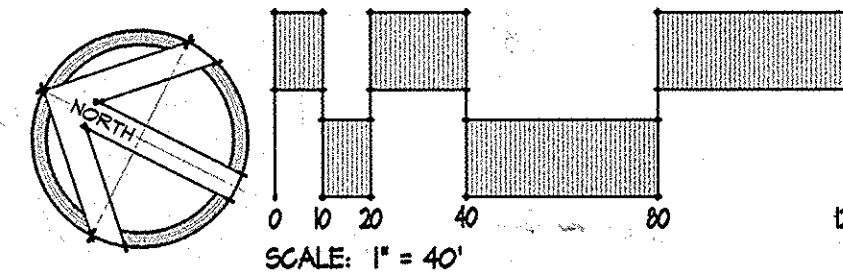
TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

CAPITAL PROJECT NO. N-3457
HOWARD COUNTY, MARYLAND

SCALE: 1"=40'
LI.01
SHEET 58 OF 61
SDP-14-033



T:\101002-033 Proj Phase II Site Development Planning\LI.02 Planting Layout.dwg Aug 13, 2014 11:50am -JT



APPROVED: DEPARTMENT OF PLANNING & ZONING

[Signature]
DIRECTOR

[Signature]
CHIEF, DEVELOPMENT ENGINEERING DIVISION

[Signature]
CHIEF, DIVISION OF LAND DEVELOPMENT

DATE: 9/18/14

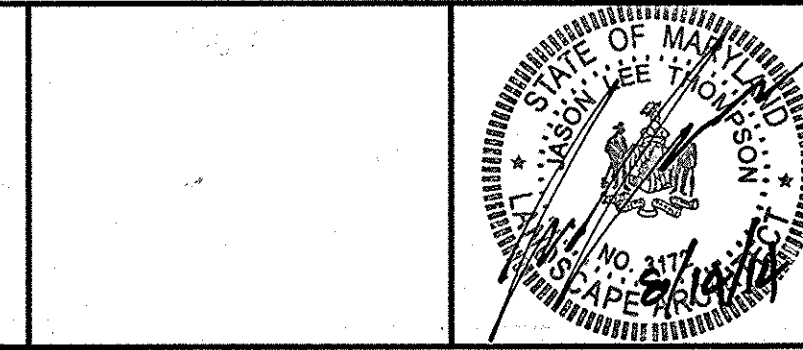
ADDRESS / PERMIT INFORMATION
PARCEL: 101 545 542 536 102 105 105 LOT A-21, 105 LOT A-22
ADDRESS: 6400 MANSION LANE
L571 / F44, L2059 / F397, L2209 / F340, L5709 / F600,
L584 / F78, L483 / F437, L483 / F190, L483 / F7, 640
GRID 11 & 10, ZONE: HA, TAX MAP NO. 37
IN ELECTION DISTRICT: CENSUS TRACT 6012.02
WATER CODE: 400, SEWER CODE: 252200

OWNER:
HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE (410) 382-2100

DEVELOPER:
HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
1120 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
PHONE (410) 382-2100

SITE RESOURCES
INCORPORATED
Comprehensive Land Planning & Site Design Services

14105 Armitville Pike • Pikesville, Maryland 21111
(410) 822-3338 • Fax (410) 822-3389



DES:	JLT				
DRN:	JLT/AM				
CHK:	AFE				
DATE:	08/14/14	BY:	NO.	REVISION	DATE

PLANTING PLAN

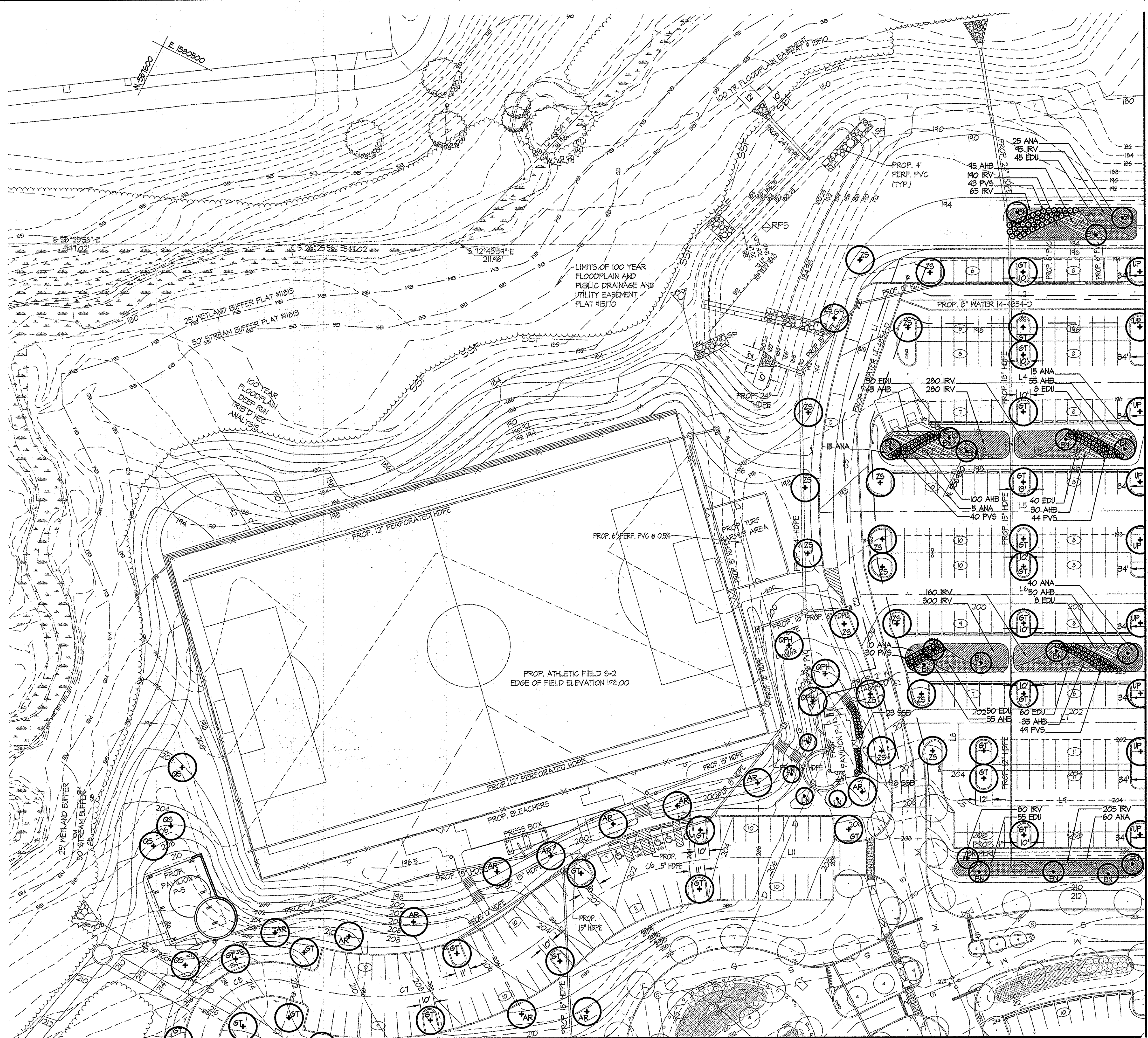
600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

CAPITAL PROJECT NO. N-3457
HOWARD COUNTY, MARYLAND

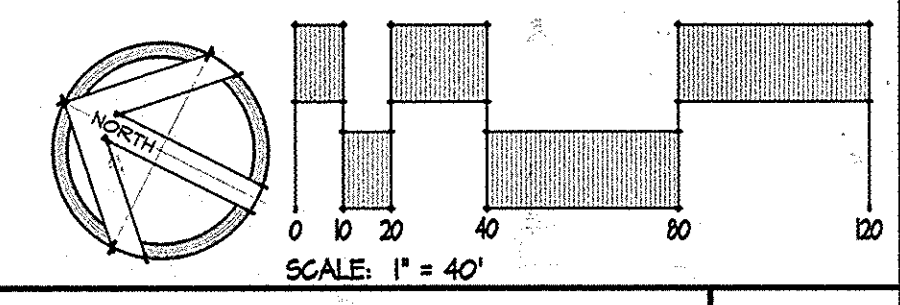
SCALE: 1" = 40'

LI.02
SHEET 54 OF 67



MATCHLINE - SEE SHEET L1.04

MATCHLINE - SEE SHEET L1.01

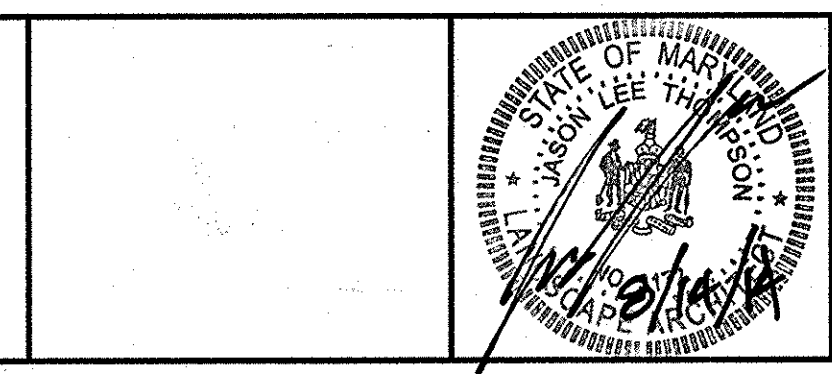


T:\060002-Eng Plan-Phase II Site Development\Plan\060002-1103 Planting Plan.dwg - Aug 19, 2014 11:48am - JLT

APPROVED: DEPARTMENT OF PLANNING & ZONING
M. A. G. G. G.
 DIRECTOR
 DATE: 9/18/14
Ch. Ed. E.
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 9/18/14
V. S. S. S.
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 9/18/14

ADDRESS / PERMIT INFORMATION
 PARCELS 601, 602, 603, 604, 605, 195 LOT A-21, 195 LOT A-22
 ADDRESS: 6400 MANSION LANE
 LOTS 1 / F.A.M. L10269 / F.F.351, L12209 / F.F.940, L15769 / F.F.600,
 L1584 / F.F.70, L.A.569 / F.F.431, L.A.569 / F.F.610, L.A.569 / F.F.640
 GRID IT & IS, ZONE: M4, TAX MAP NO. 37
 IN ELECTION DISTRICT: CENSUS TRACT 602.02
 WATER CODE: 400, SEWER CODE: 252200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 328-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1100 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE: (410) 328-2100

SITE RESOURCES
 incorporated
 Comprehensive Land Planning & Site Design Services
 14315 Jermantowne Pike • Hanover, Maryland 21076
 (410) 982-3338 • Fax (410) 982-3389



DES:	JLT				
DRN:	JLT/AM				
CHK:	AFE				
DATE:	08/14/14	BY:	NO.	REVISION	DATE

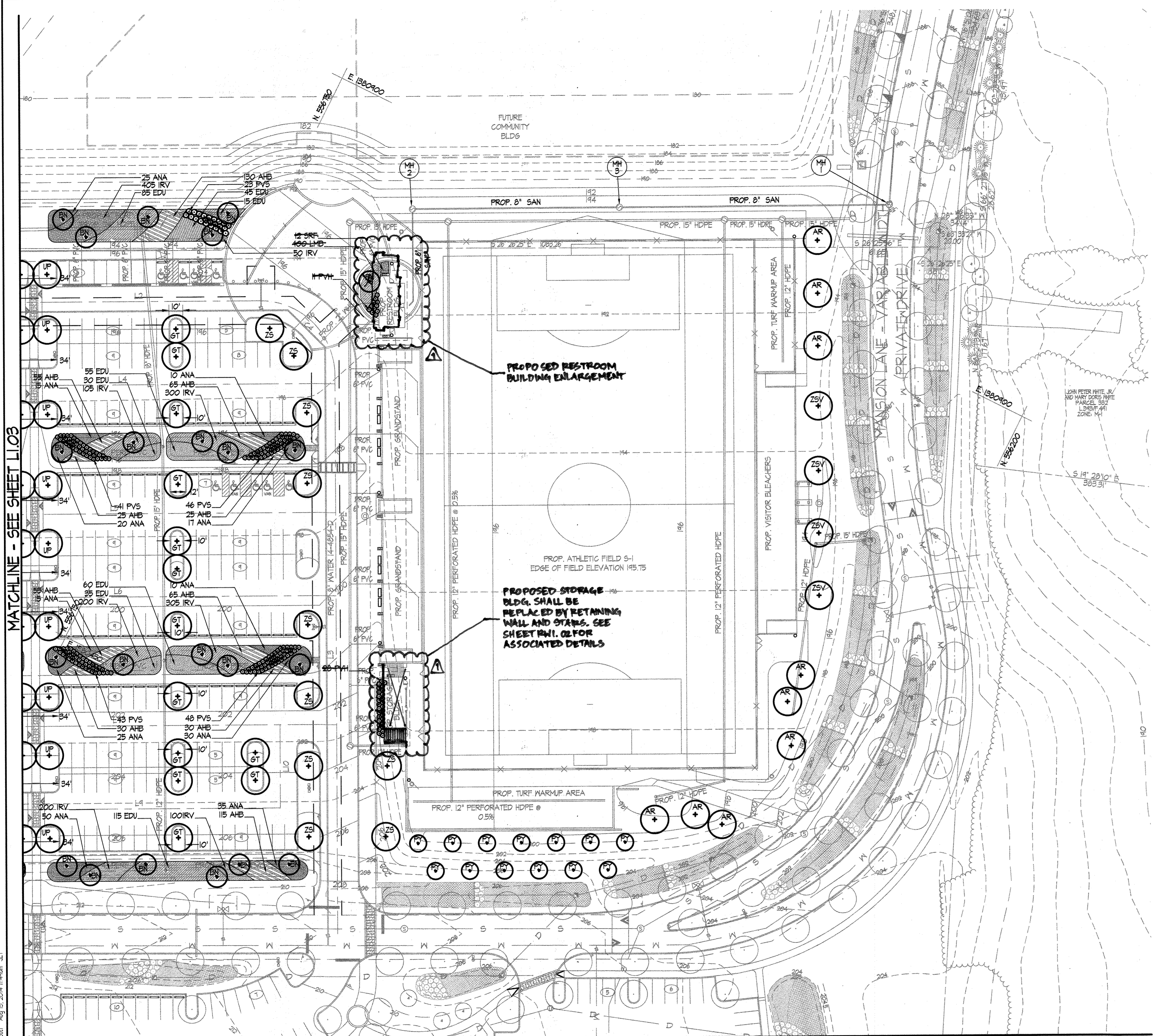
PLANTING PLAN					
600' SCALE MAP NO.	51	BLOCK NO.	16		

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-345T
 HOWARD COUNTY, MARYLAND

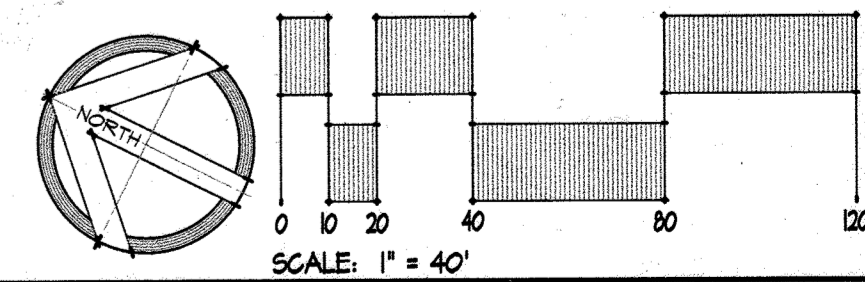
SCALE:
 1"=40'
 L1.03
 SHEET
 60 OF 61
 SDP-14-033

MATCHLINE - SEE SHEET L1.03

MATCHLINE - SEE SHEET L1.02



Z:\10100457\Troy Park Phase II Site Development Plan\DWG\L1.04 Planting Plan.dwg - Layout1 - Aug 18, 2014 11:44am - LT



APPROVED: DEPARTMENT OF PLANNING & ZONING
Mrs. DeLoe
 DIRECTOR
 DATE: 7/15/14

Paul Edm
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 9-3-14

Karl Schaefer
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 9-18-14

ADDRESS / PERMIT INFORMATION
 PARCEL: 561 545 542 536 105 105 105 LOT A-21, 105 LOT A-22
 ADDRESS: 6490 VANDERBILT LANE
 L571 / F414, L10688 / F397, L12205 / F390, L5708 / F600,
 L584 / F118, L4939 / F431, L4810 / F490, L6195 / F. 640
 GRID 11 & 22, ZONE M4, TAX MAP NO. 57
 IN ELECTION DISTRICT, GENOUS TRACT 602.02
 WATER CODE: 400, SEWER CODE: 330200

OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1200 OAKLAND MILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 312-2700

DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1200 OAKLAND MILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 312-2700

SITE RESOURCES
 CONSULTING LAND PLANNING & SITE DESIGN SERVICES

14315 Annettsville Pike • Pikesville, Maryland 21113
 (410) 883-3388 • Fax (410) 883-3389

STATE OF MARYLAND
 DEPARTMENT OF PLANNING & ZONING
 9/18/14

DES:	SRI:	BUILDING REVISIONS	DATE
JLT			9/19/12
DRN:	JLT/AM		
CHK:	AFE		
DATE:	08/14/14		
BY:	NO.	REVISION	DATE

600' SCALE MAP NO.	51	BLOCK NO.	16
PLANTING PLAN			

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

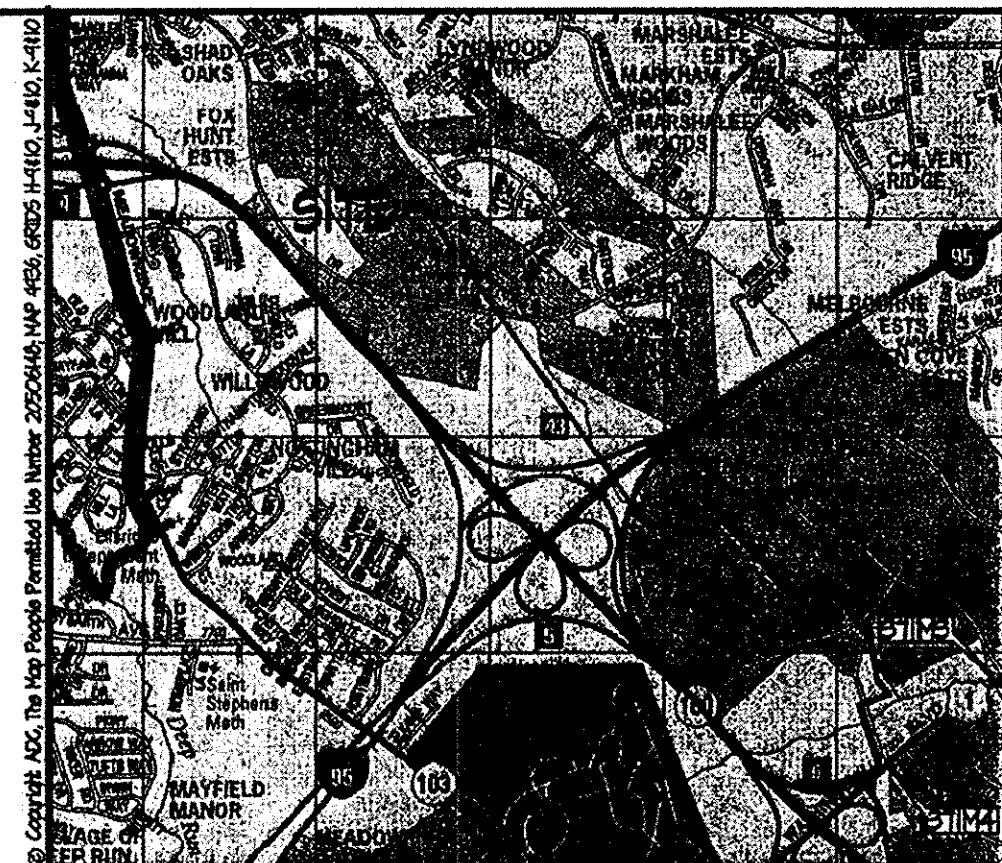
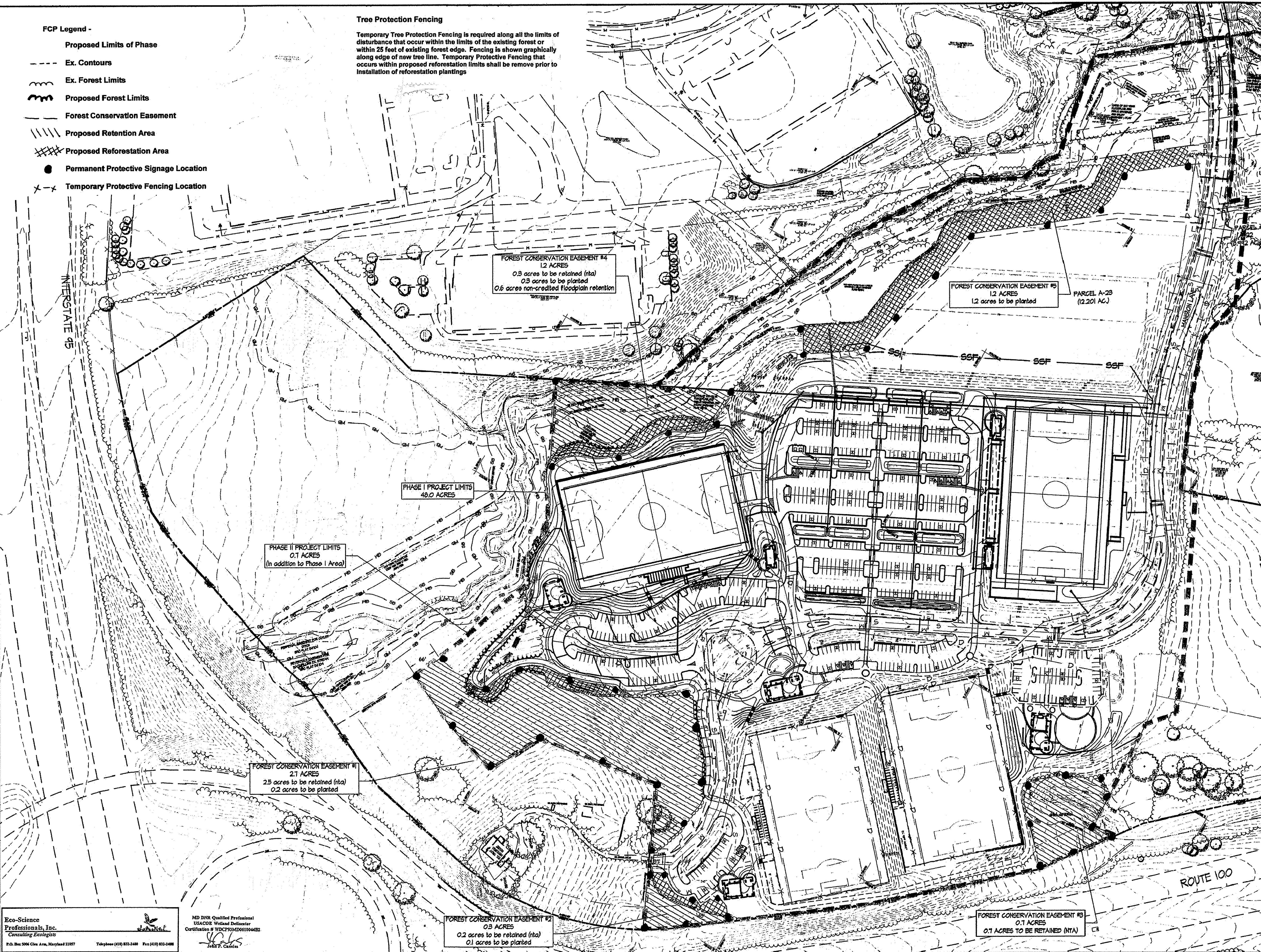
CAPITAL PROJECT NO. N-3457
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 40'
 SHEET
 L1.04
 61 OF 67

- FCP Legend -**
- Proposed Limits of Phase
 - Ex. Contours
 - Ex. Forest Limits
 - Proposed Forest Limits
 - Forest Conservation Easement
 - Proposed Retention Area
 - Proposed Reforestation Area
 - Permanent Protective Signage Location
 - ××× Temporary Protective Fencing Location

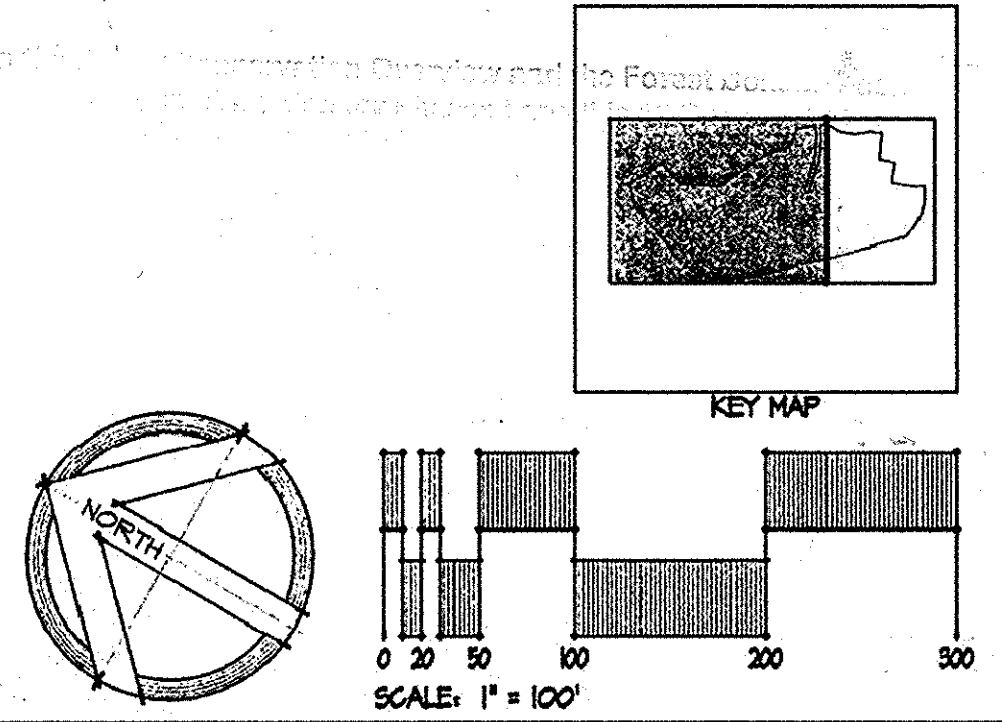
Tree Protection Fencing

Temporary Tree Protection Fencing is required along all the limits of disturbance that occur within the limits of the existing forest or within 25 feet of existing forest edge. Fencing is shown graphically along edge of new tree line. Temporary Protective Fencing that occurs within proposed reforestation limits shall be removed prior to installation of reforestation plantings



VICINITY MAP 1"=2000'

- LEGEND**
- PROPERTY LINE
 - EXISTING TREELINE
 - FB --- EXISTING FOREST BUFFER
 - EXISTING TREES
 - EXISTING SHRUBS
 - EXISTING WALK
 - EXISTING ROAD
 - EXISTING CURB
 - EXISTING STORM DRAIN
 - EXISTING WATER
 - EXISTING SANITARY SEWER
 - EXISTING GAS
 - EXISTING PROPANE
 - EXISTING FUEL OIL
 - EXISTING TELEPHONE
 - EXISTING ELECTRIC
 - EXISTING OVERHEAD ELECTRIC
 - EXISTING LIGHTING
 - EXISTING COMMUNICATIONS
 - EXISTING CABLE TV
 - EXISTING FIBER OPTIC
 - EXISTING CHILLED WATER SUPPLY
 - EXISTING CHILLED WATER RETURN
 - EXISTING HOT WATER SUPPLY
 - EXISTING HOT WATER RETURN
 - EXISTING FENCE
 - EXISTING GUARDRAIL
 - PROPOSED WOODSLINE
 - PROPOSED WALK
 - PROPOSED BUILDING



Eco-Science Professionals, Inc. Consulting Ecologists
 P.O. Box 5064 Clia Ave, Maryland 21087 Telephone (410) 833-2488 Fax (410) 833-2488

MD DNR Qualified Professional
 USACOE Wetland Delimitator
 Certification # W0730MD010194422
 J. P. Galt

APPROVED: DEPARTMENT OF PLANNING & ZONING
 Director: *Frank A. Wight* 2/6/14 DATE
 Chief, Development Engineering Division: *Chad E. ...* 9-3-14 DATE
 Chief, Division of Land Development: *V. T. ...* 9-18-14 DATE

ADDRESS / PERMIT INFORMATION
 PARCELS: 501, 545, 542, 586, 193, 195, 196, LOT A-21, 195 LOT A-22
 ADDRESS: 1450 HANSON LANE
 LEFT / F-44, L-2059 / F-251, L-2205 / F-940, L-5789 / F-620,
 L-5841 / F-18, L-4939 / F-431, L-4855 / F-640, L-6199 / F-640
 GRID / F-18, ZONE: M-1 TAX MAP NO. 91
 2nd ELECTION DISTRICT, GENRES TRACT 8&21.02
 WATER CODE: 400, SEWER CODE: 252200
 OWNER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1202 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 833-2100
 DEVELOPER: HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1202 OAKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 833-2100

SITE RESOURCES
 INCORPORATED
 Comprehensive Land Planning & Site Design Services
 14155 Northridge Pkwy • Bethesda, Maryland 20814
 (410) 883-3388 • fax (410) 883-3389

DES:	
DRN:	
CHK:	
DATE: 09/14/14	

BY	NO.	REVISION	DATE

NOT FOR CONSTRUCTION

600' SCALE MAP NO. 51 BLOCK NO. 16

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIB PARCELS A-21 AND A-22
 CAPITAL PROJECT NO. N-XXXX
 HOWARD COUNTY, MARYLAND

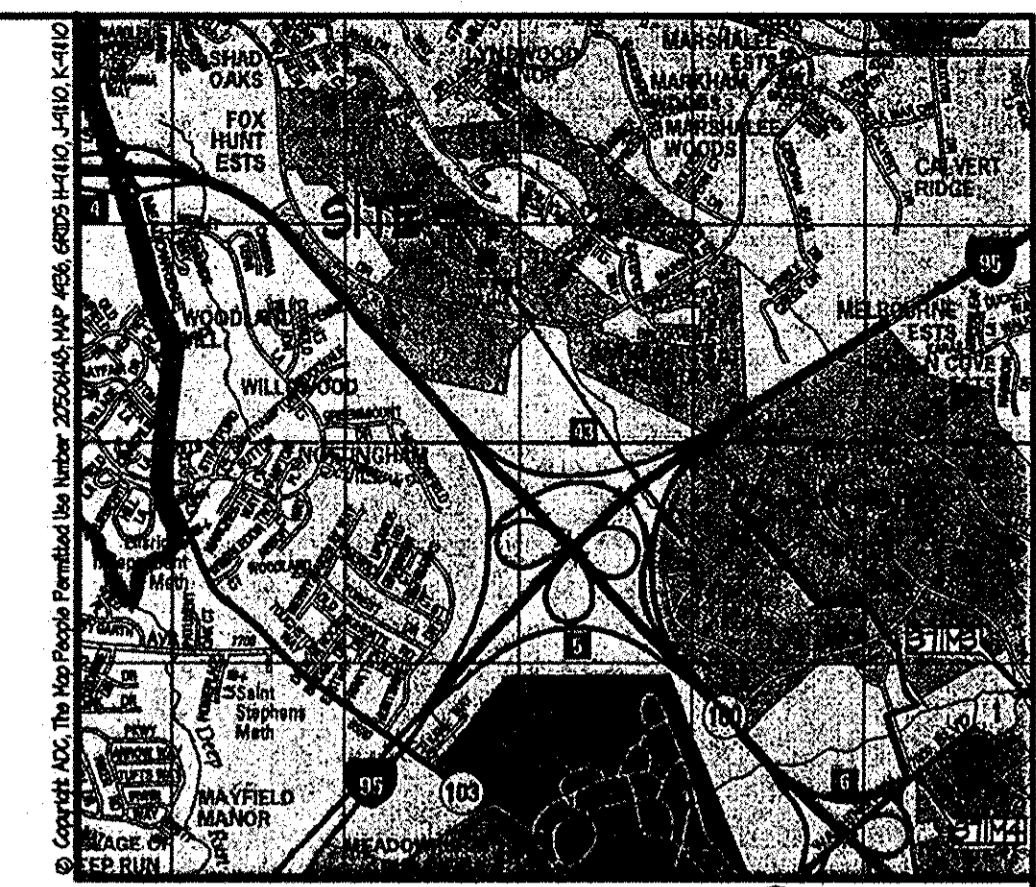
SCALE: 1"=100'
 FCI.01
 SHEET 680 OF 671
 SDP-14-033

FOREST CONSERVATION OVERVIEW BY PHASE
UPDATED JANUARY 9, 2014

Phase	Comment	Gross Acreage	Net Tract Area	Existing Forest (nta)	Forest to be Cleared	Forest to be Retained	Afforestation Required	Reforestation Required/ Provided	Retention in excess of BEP *
I	1	48.0	34.9	33.9	30.6	3.3	0	14.1/11.1	0
II	2	48.7	35.6	34.6	30.9	3.7	0	13.7/11.8	0
Future	3	51.9	38.0	36.1	Break Even Point for Entire Site = 25.9 acres				

* forest retained in excess of BEP may be credited toward retention requirements of other phases

Comment 1 - revised per plan update 7/1/13
 Comment 2 - Phase II is comprised of 48.0 acres of Phase I plus 0.7 acres of additional land area. Reductions in overall forest retention shown from Phase I value is the result of grading/clearing of forest that was proposed to be retained as part of Phase I site design but will be impacted by Phase II improvements. Forest clearing calculations shown in Phase II include clearing and retention amounts for work performed under Phases I and II and are not additive.
 Comment 3 - Values shown for "Future" reflects the acreage and forest outside of the defined boundary of Phases I and II. If forest retention for the entire site can meet the 25.9 acres break even point, no reforestation will be required.



VICINITY MAP 1"=2000'

FOREST CONSERVATION WORKSHEET
Version 1.0

Project: Troy Park
Date: January 22, 2014

NET TRACT AREA		Whole Site ACRES	Phase I ACRES	Phase II ACRES	Future Phases ACRES
A. Total tract area		100.6	48.0	48.7	51.9
B. Area within Exempt Lots A-21 and A-22		16.1	12.5	12.5	3.6
C. Area within 100 year floodplain outside Lots A21 and A 22		10.9	0.6	0.6	10.3
D. Net Tract Area		73.6	34.9	35.6	38.0

LAND USE CATEGORY: (from table 3.2.1, page 40, Manual)		IDA	IDA	IDA	IDA
ARA	MDR	IDA	HDR	MPD	CIA
E. Afforestation Threshold (percentage)	15%	11.0	5.2	5.3	5.7
F. Conservation Threshold (percentage)	20%	14.7	7.0	7.1	7.6

EXISTING FOREST COVER:					
G. Existing forest cover (excluding floodplain)		70.7	33.9	34.6	36.1
H. Area of forest above afforestation threshold		58.7	28.7	29.3	30.4
I. Area of forest above conservation threshold		56.0	26.9	27.5	28.5

BREAK EVEN POINT:					
J. Forest retention above threshold with no mitigation		11.2	5.4	5.5	5.7
Break-Even Point		25.9	12.4	12.6	13.3
K. Clearing permitted without mitigation		44.8	21.5	22.0	22.6*

PROPOSED FOREST CLEARING:					
L. Total area of forest to be Cleared or Retained Outside FCE			30.6	30.9	
M. Total area of forest to be Retained in FCE			3.3	3.7	

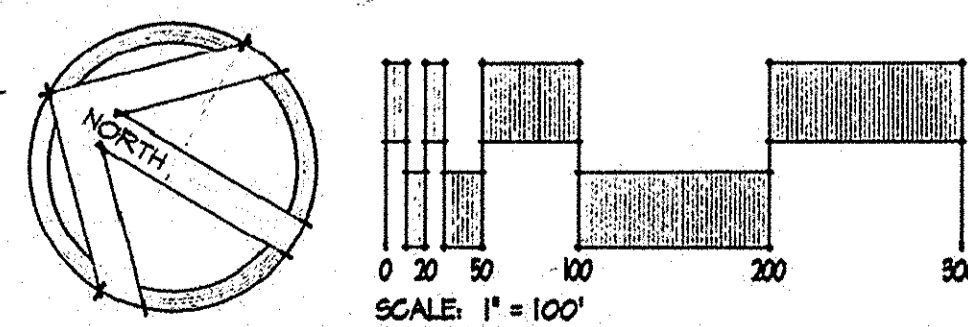
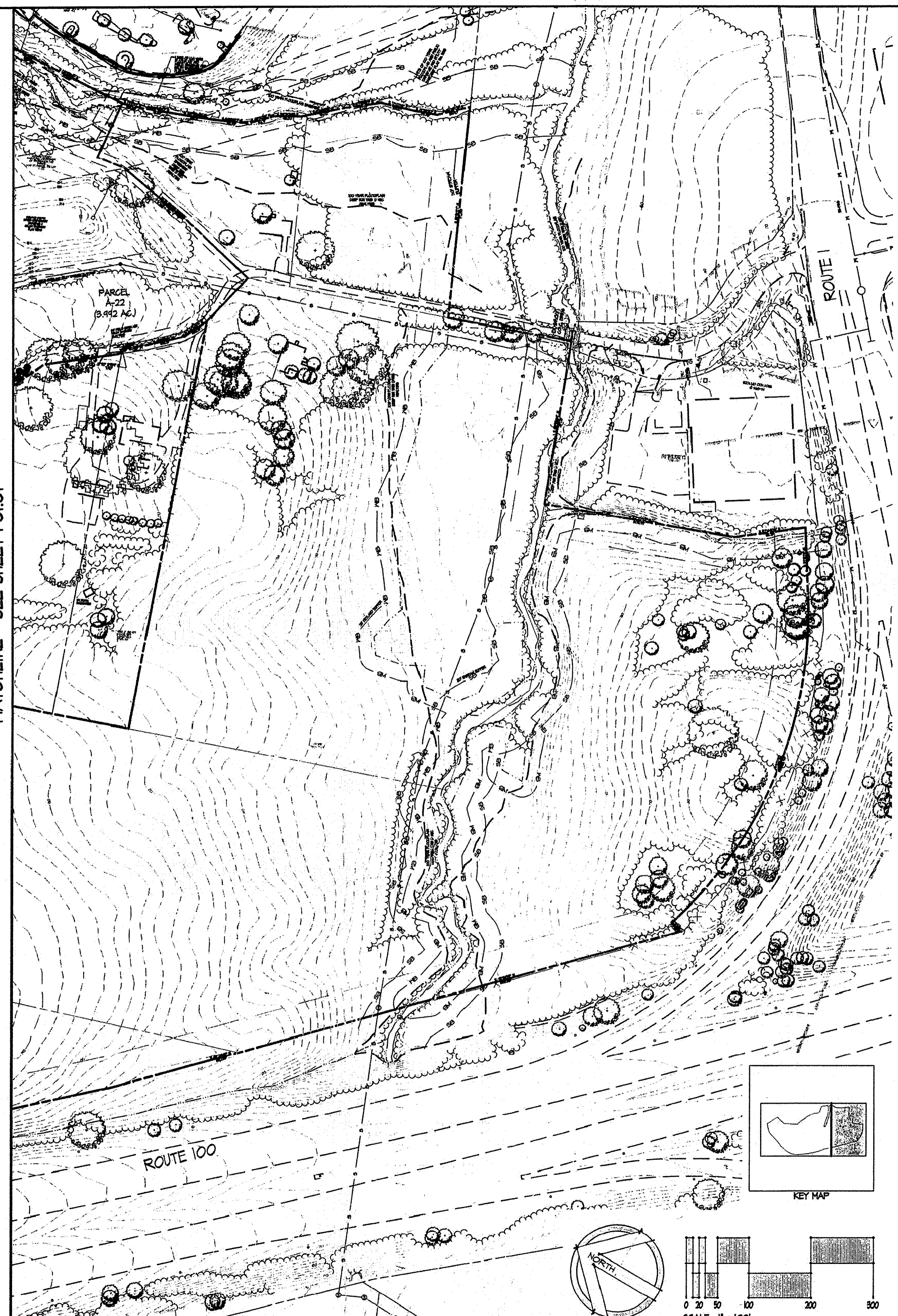
PLANTING REQUIREMENTS:					
N. Reforestation for clearing above Conservation Threshold			6.7	6.9	
P. Reforestation for clearing below Conservation Threshold			7.4	6.8	
Q. Credit for retention above conservation threshold			0	0	
R. Total reforestation required			14.1	13.7	
S. Total afforestation required			0	0	
T. Total reforestation and afforestation required			14.1	13.7	

* To meet the break even point for the entire site, the future phases will need to retain 22.2 acres of existing forest.

FCP NOTES

- A waiver (Waiver petition file WP-10-173) was granted July 6, 2010 to allow the Forest Conservation requirement for this project to be reviewed in phases rather than under one submission for the entire County Park.
- A waiver has been granted to allow for the temporary deferral for submission and recording of the Plat of FCE until the last phase of the development for the County Park.
- A waiver has been granted to allow for the removal of four specimen trees within Phase I of the project.
- Any Forest Conservation Easement (FCE) area shown hereon is subject to protective covenants which may be found in the Land Records of Howard County which restrict the disturbance and use of these areas.
- Limits of disturbance shall be restricted to areas within the limit of temporary fencing.
- There shall be no clearing, grading, construction or disturbance of vegetation beyond the depicted limits of disturbance, except as permitted by Howard County DPZ.
- No stockpiles, parking areas, equipment cleaning areas, etc. shall occur within areas designated as non-disturbance areas.
- Temporary fencing shall be used to protect forest resources during construction. Fencing shall be installed along limits of disturbance occurring within 50 feet of the proposed forest retention limits.
- Development on Lots A21 and A-22 are exempt from the Forest Conservation Act as they are part of the Troy Hill corporate Center which is a planned business park of at least 75 acres which received approved prior to 12/31/92 in accordance with Section 16.1202 (b)(1)(v) of the Howard County Code.
- Phase II of the project will be constructed primarily on areas of the site that were graded as part of Phase I of the development plan. Phase II will expand the disturbance area 0.7 acres but also will result in impacts to forest that was proposed for retention under Phase I. The calculations for the project have been updated for Phase II so that they include the total area of the site to be impacted by Phases I and II and so that they reflect the actual proposed forest retention/clearing required for both of these phases.
- As indicated on the Forest Conservation Overview and the Forest Conservation Worksheet the reforestation obligation for Phases I and II is 13.7 acres. This reforestation obligation will be re-evaluated upon the preparation of development plans for future phases of the project. It is possible that retention credit available in future phases could offset this reforestation obligation. If reforestation is required for the overall project, it is likely that this obligation will be met in an offsite location.
- The forest conservation easement has been established to fulfill the requirements of section 16.1200 of the Howard County code and the Forest conservation Act. No clearing, grading or construction is permitted within the forest conservation easements. However, forest management practices defined in the Deed of Forest Conservation Easement area allowed.

MATCHLINE - SEE SHEET FCI.01



Eco-Science Professionals, Inc.
 Consulting Ecologists
 P.O. Box 5006 Glen Arm, Maryland 21057 Telephone (410) 832-2400 Fax (410) 832-2405

MD DNR Qualified Professional
 USACE Wetland Delineator
 Certification #0002953/0002104/022
 John F. Canale

APPROVED: DEPARTMENT OF PLANNING & ZONING
 [Signature] 9/14/14
 DIRECTOR
 [Signature] 9-13-14
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 9-18-14
 CHIEF, DIVISION OF LAND DEVELOPMENT

ADDRESS / PERMIT INFORMATION
 PARCELS: 440 HANSON LANE
 ADDRESS: 440 HANSON LANE
 1571 / F. 114, L. 1055 / F. 321, L. 1205 / F. 340, L. 1513 / F. 600,
 L. 54 / F. 118, L. 1433 / F. 431, L. 1453 / F. 140, L. 6135 / F. 640
 650 / 11 / F. 118, L. 1433 / F. 431, L. 1453 / F. 140, L. 6135 / F. 640
 2nd ELECTION DISTRICT, GENIUS TRACT 6010.02
 WATER CODE: 400, SEWER CODE: 252200
 OWNER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1100 ONKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100
 DEVELOPER:
 HOWARD COUNTY MARYLAND DEPT. OF RECREATION AND PARKS
 1100 ONKLAND HILLS ROAD, COLUMBIA, MARYLAND 21046
 PHONE (410) 313-2100

SITE RESOURCES Incorporated
 Comprehensive Land Planning & Site Design Services
 14155 Armitage Pike • Pikesville, Maryland 21111
 (410) 835-3388 • Fax (410) 835-3389

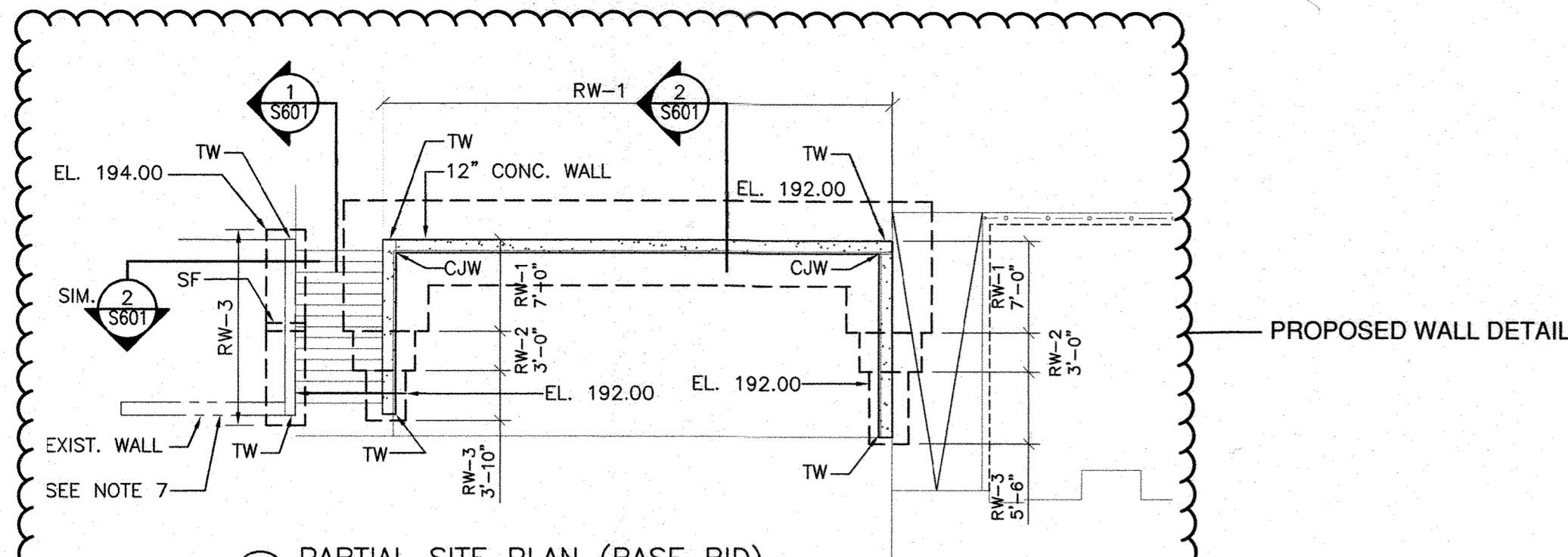
DES.					
DRN.					
CHK.					
DATE: 08/14/14	BY	NO.	REVISION	DATE	

NOT FOR CONSTRUCTION

FOREST CONSERVATION PLAN
 NOTES AND DETAILS

TROY PARK - PHASE TWO
 PART OF TROY HILL CORPORATE CENTER PHASE IIIB PARCELS A-21 AND A-22

SCALE: AS SHOWN
 FCI.02
 SHEET 68 OF 67
 SDP-14-038

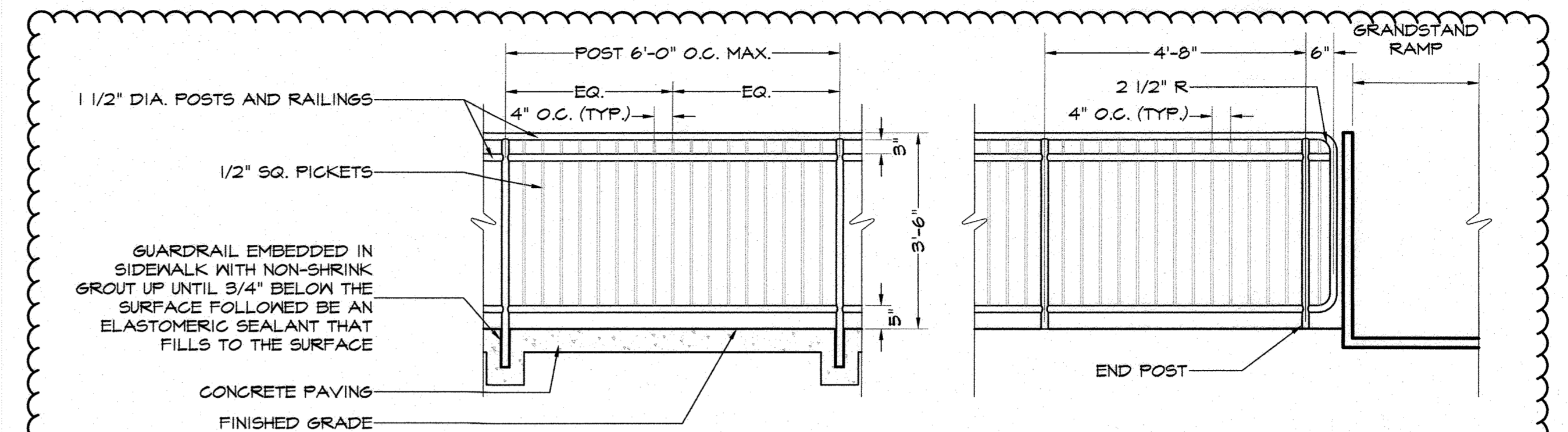


(S1) PARTIAL SITE PLAN (BASE BID)

NOT TO SCALE

PLAN NOTES:

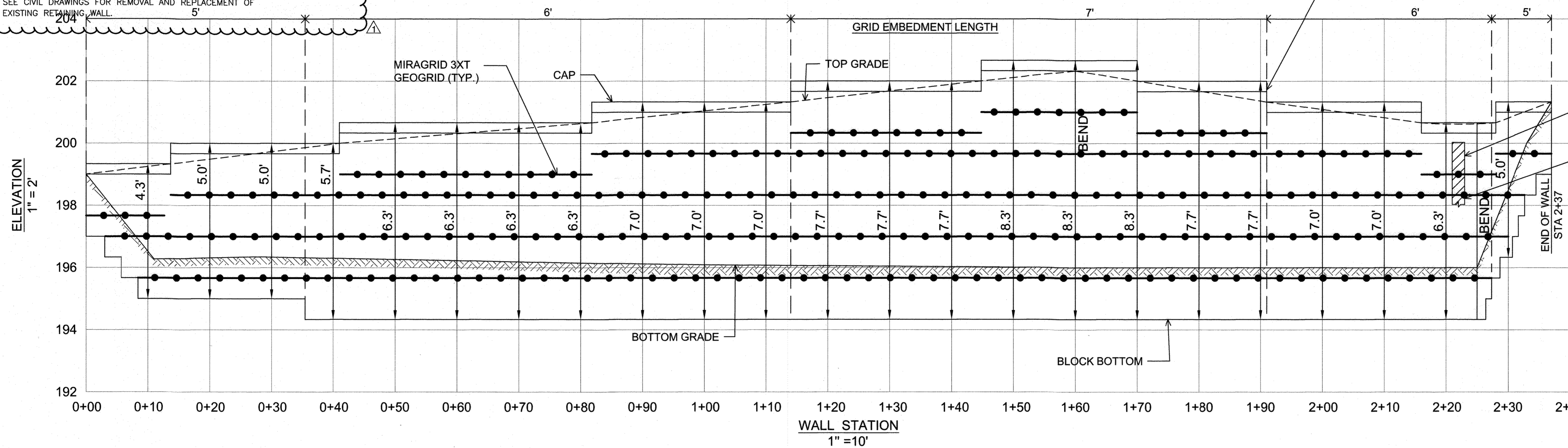
1. TW-INDICATES TOP OF WALL. SEE CIVIL DWG. FOR TOP OF CONCRETE WALL ELEVATION.
2. EL.-INDICATES BOTTOM OF FOOTING ELEVATION.
3. RW-INDICATES RETAINING WALL, SEE SECTIONS ON THIS SHEET.
4. CJW-INDICATES CONTROL JOINT IN RET. WALL. SEE 3/S-601.
5. SF-INDICATES STEPPED FOOTING, SEE 4/S-601.
6. SEE CIVIL DRAWINGS FOR GRADE ELEVATIONS.
7. SEE CIVIL DRAWINGS FOR REMOVAL AND REPLACEMENT OF EXISTING RETAINING WALL.



PROPOSED GUARDRAIL DETAILS

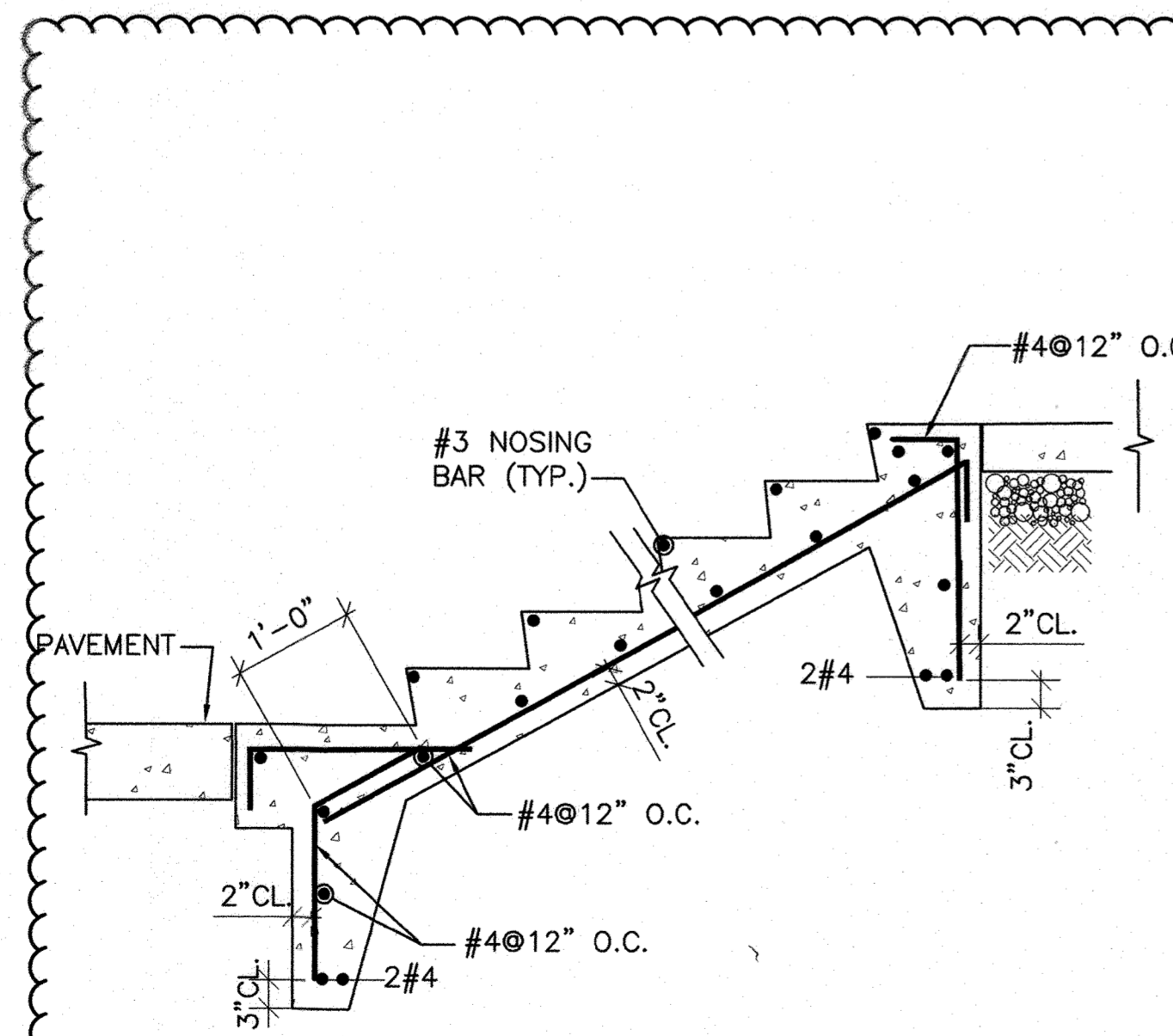
A. TYPICAL GUARDRAIL PANEL

B. GUARDRAIL END PANEL



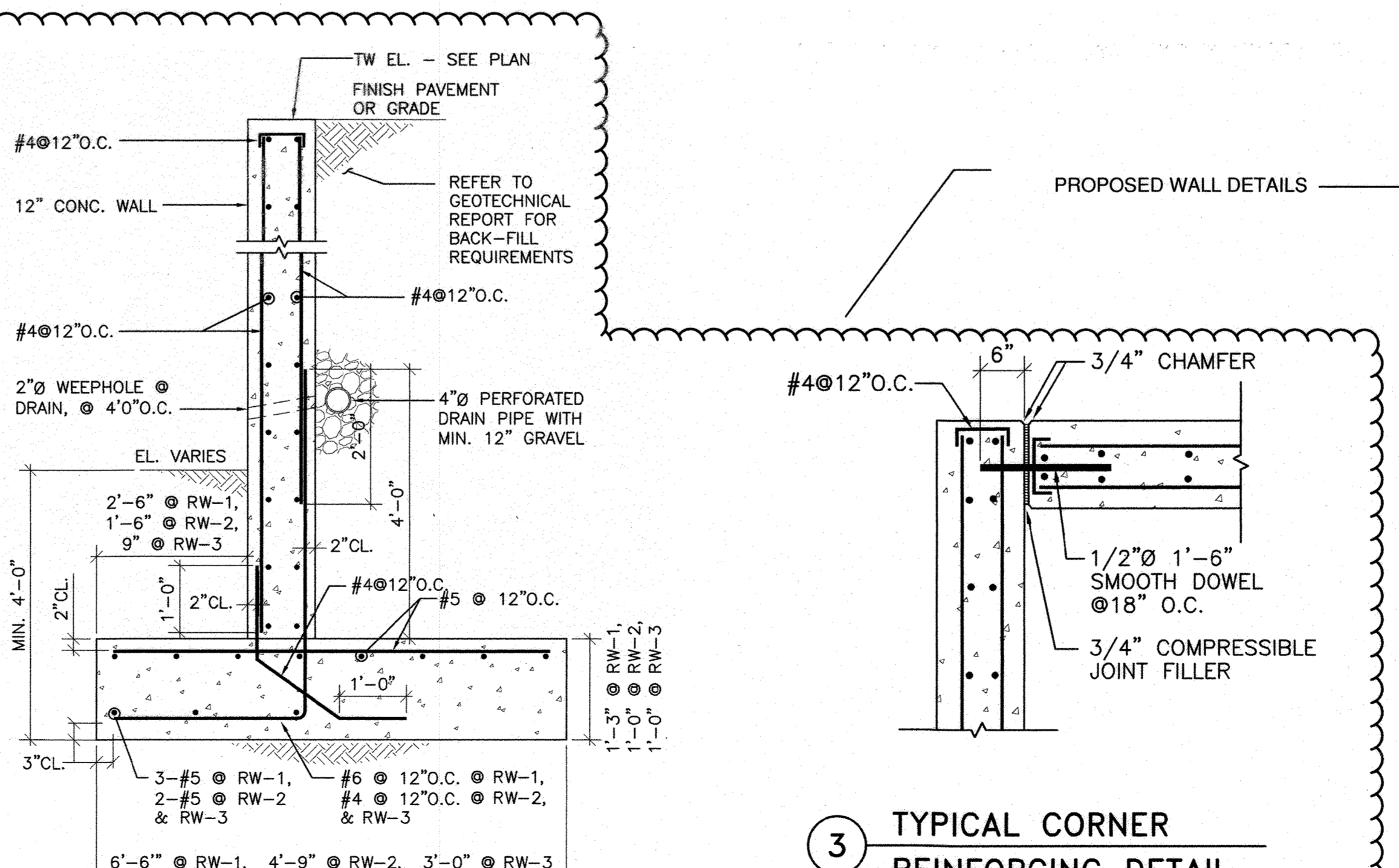
ELEVATION
1" = 2'

WALL STATION
1" = 10'



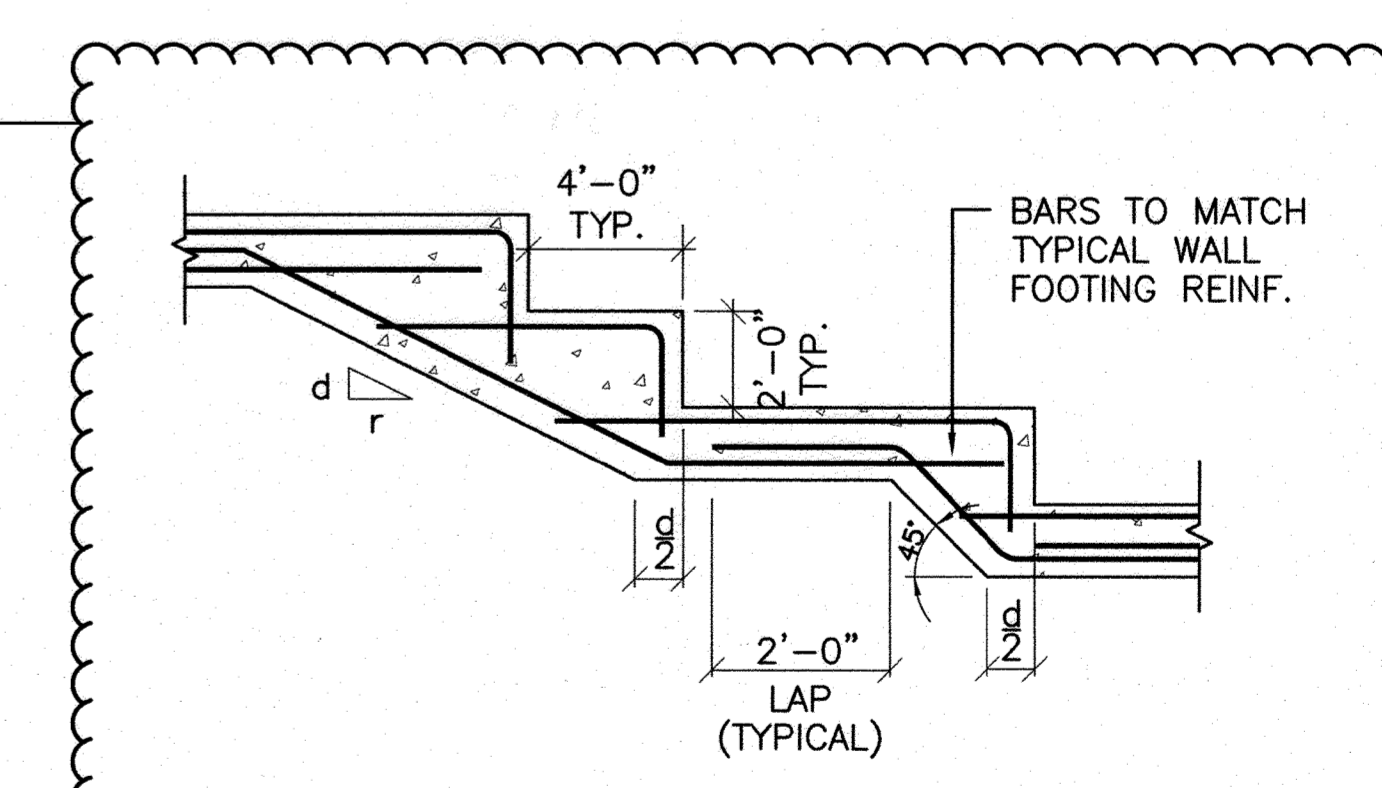
(1) SECTION AT CONCRETE STAIR

SCALE: 3/4" = 1'-0"



(3) TYPICAL CORNER REINFORCING DETAIL

NO SCALE



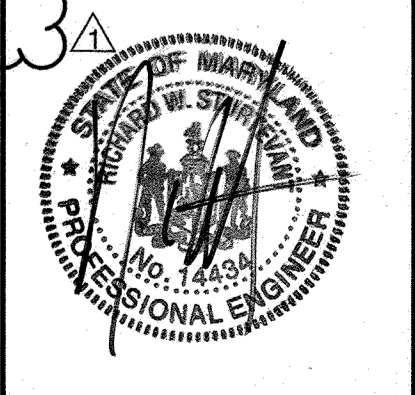
(4) TYPICAL STEPPED FOOTING DETAIL

NO SCAFF

REVISED SITE DEVELOPMENT PLAN - SDP-14-033
 APPROVED : DEPARTMENT OF PLANNING AND ZONING
 Director: *[Signature]* 4-10-19
 Chief, Development Engineering Division: *[Signature]* 4-8-19
 Chief, Division of Land Development: *[Signature]* 4-10-19

NOTE: SEE ARCH. AND CIVIL DWGS. FOR STAIR PROFILE, DIMENSIONS & ADDL. INFO.

PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 14434
 EXPIRATION DATE: 05/31/19



HILLIS-CARNES
 ENGINEERING ASSOCIATES
 10975 Guilford Road, Suite A Annapolis Junction, Maryland
 Phone: (410) 880-4788 www.hcea.com Fax: (410) 880-4098

TROY PARK - PHASE TWO - A
 HOWARD COUNTY, MARYLAND

REVISION NO.	DESCRIPTION	DATE	JOB NUMBER:	DESIGNED BY:	DATE	SCALE:	DRAWN BY:	APPROVED BY:	SHEET
1	REVISION TO RETAINING WALL	04-01-2019	10439-G	AR		AS SHOWN	AR	RWS	RW1.02
2	BUILDING REVISIONS	09/14/2022							67 of 67