

6
5
4
3
2
1



0 200 400 Feet
SCALE: 1" = 200'

SEQUENCE OF CONSTRUCTION

- NOTIFY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION AT (410) 537-3510, THE M-NOPPC PARK MANAGER, AND THE CONTRACTING OFFICER'S REPRESENTATIVE, MR. BRUCE PITTS, AT (301) 677-7433 FOR THE REQUIRED PRE-CONSTRUCTION MEETING AT LEAST SEVEN DAYS BEFORE COMMENCING LAND DISTURBING ACTIVITIES.
- INSTALL TREE PROTECTION FENCING AS SHOWN ON THE PLAN.
- COMPLETE TREE REMOVAL AND SELECTIVE TRIMMING AS SHOWN ON THE PLAN OR AS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.
- NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS RUNOFF IS DIRECTED TO AN APPROVED MDE SEDIMENT CONTROL DEVICE.
- PHASE B-1 (UPSTREAM OF LAYHILL ROAD)**
- CLEAR AND GRUB ONLY THOSE AREAS NECESSARY TO INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES.
- INSTALL STABILIZED CONSTRUCTION ENTRANCES FROM CHAPEL HILL ROAD AND LAYHILL ROAD AND BUILD THE ASSOCIATED TEMPORARY ACCESS ROAD. STABILIZE AT THE END OF EACH WORK DAY. FOR THE ACCESS ROAD WITHIN A WETLAND, PLACE TIMBER MATS TO MINIMIZE IMPACTS.
- INSTALL SILT FENCE AS DESIGNATED ON THE PLANS.
- CLEAR AND GRUB REMAINING WORK AREA UPSTREAM OF LAYHILL ROAD. ANY DISTURBANCE CAUSED BY THIS PROCESS SHALL BE STABILIZED BY THE END OF THE DAY.
- INSTALL PUMP-AROUND FLOW DIVERSION AND DEWATER THE CONSTRUCTION ZONE THROUGH THE APPROVED DEWATERING DEVICE. THE CONTRACTOR SHALL STAGE THE LIMITS OF THE PUMP-AROUND FLOW DIVERSION TO DEWATER ONLY THAT SECTION SCHEDULED FOR THAT DAY'S WORK. AT THE END OF EACH WORK DAY THE WORK AREA SHALL BE STABILIZED, THE PUMP-AROUND PRACTICE REMOVED, AND THE FLOW RESTORED TO THE CHANNEL. WORK SHALL BE COMPLETED ONLY DURING FORECASTED PERIODS OF DRY WEATHER.
- CONSTRUCT STREAM IMPROVEMENTS ABOVE LAYHILL ROAD BEGINNING UPSTREAM TO DOWNSTREAM. THE CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO MINIMIZE UNNECESSARY DISTURBANCE. FOR THE STREAM IMPROVEMENTS, ONLY THAT AMOUNT OF WORK SHALL BE COMPLETED THAT CAN BE STABILIZED BY THE END OF THE DAY.
- ONCE ALL STREAM WORK UPSTREAM OF LAYHILL ROAD HAS BEEN COMPLETED AND STABILIZED, AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND CONTRACTING OFFICER'S REPRESENTATIVE, REMOVE THE ASSOCIATED ACCESS ROAD. AS THE ROAD IS REMOVED, INSTALL PLANTINGS ACCORDING TO THE PLAN, SCHEDULE AND DETAILS PROVIDED ON THE PLANTING PLAN.
- WITH THE APPROVAL OF THE MDE INSPECTOR AND CONTRACTING OFFICER'S REPRESENTATIVE, REMOVE THE REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF THESE CONTROLS. INSTALL ANY REMAINING PLANTINGS.

PHASE B-2 (DOWNSTREAM OF LAYHILL ROAD - NORTHWEST GOLF COURSE)

- CONTACT GOLF COURSE SUPERINTENDENT MR. CHRIS FERNANDES AT (301) 598-6100 TO COORDINATE WORK ACTIVITIES IN AND AROUND THE GOLF COURSE IN-PLAY AREAS.
- CLEAR AND GRUB ONLY THOSE AREAS NECESSARY TO INSTALL PERIMETER EROSION AND SEDIMENT CONTROL DEVICES.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE AND ASSOCIATED ACCESS ROAD FOR WORK AREA DOWNSTREAM OF LAYHILL ROAD. STABILIZE AT THE END OF EACH WORK DAY.
- CLEAR AND GRUB REMAINING WORK AREA DOWNSTREAM OF LAYHILL ROAD. ANY DISTURBANCE CAUSED BY THIS PROCESS SHALL BE STABILIZED BY THE END OF THE DAY.
- INSTALL PUMP-AROUND FLOW DIVERSION AND DEWATER THE CONSTRUCTION ZONE THROUGH THE APPROVED DEWATERING DEVICE. THE CONTRACTOR SHALL STAGE THE LIMITS OF THE PUMP-AROUND FLOW DIVERSION TO DEWATER ONLY THAT SECTION SCHEDULED FOR THAT DAY'S WORK. AT THE END OF EACH WORK DAY THE WORK AREA SHALL BE STABILIZED, THE PUMP-AROUND PRACTICE REMOVED, AND THE FLOW RESTORED TO THE CHANNEL. WORK SHALL BE COMPLETED ONLY DURING FORECASTED PERIODS OF DRY WEATHER.
- CONTINUE STREAM IMPROVEMENTS DOWNSTREAM OF LAYHILL ROAD WORKING FROM DOWNSTREAM TO UPSTREAM. UPON COMPLETION OF THE WORK, AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE THE ASSOCIATED ACCESS ROAD. AS THE ROAD IS REMOVED, INSTALL PLANTINGS ACCORDING TO THE PLAN, SCHEDULE AND DETAILS PROVIDED ON THE PLANTING PLAN.
- WITH APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR AND CONTRACTING OFFICER'S REPRESENTATIVE, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF THESE CONTROLS. INSTALL ANY REMAINING PLANTINGS.

SEQUENCE OF CONSTRUCTION NOTE:

THE PREFERRED TIMING OF CONSTRUCTION ACTIVITIES ON THE GOLF COURSE IS BETWEEN OCTOBER AND MARCH. PHASE B-2 MAY BE COMPLETED PRIOR TO PHASE B-1 TO ACCOMMODATE THIS PERIOD OR MEET OTHER PROJECT REQUIREMENTS.

SITE INFORMATION - BATCHELLORS

A. TOTAL AREA OF FACILITY (Base, Campus, Park, Etc.)	27.3 Acres
B. TOTAL AREA OF PROJECT SITE	27.3 Acres
C. AREA DISTURBED	4.83 Acres
D. AREA TO BE ROOFED OR PAVED	0.00 Acres
E. TOTAL CUT	9,748 CY
F. TOTAL FILL	2,654 CY
G. OFF-SITE WASTE/BORROW AREA LOCATION	TBD

FOR COMBINED SITE INFORMATION REFER TO DRAWING GN-13

For Commission use only

Permit Application:

Date Received:

Park Permit No: 2012.09

Permit Fee:

Review Staff:

Lead Staff:

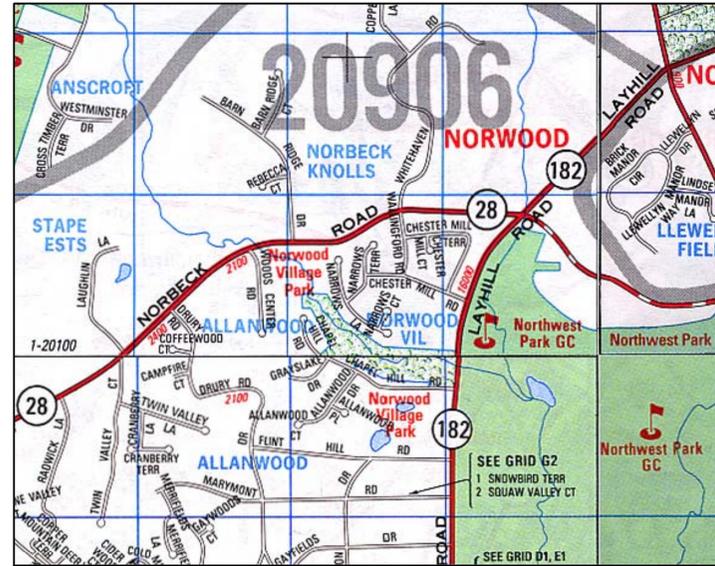
Region Staff:

Planning Staff:

Inspector:

Other:

Additional Comments:

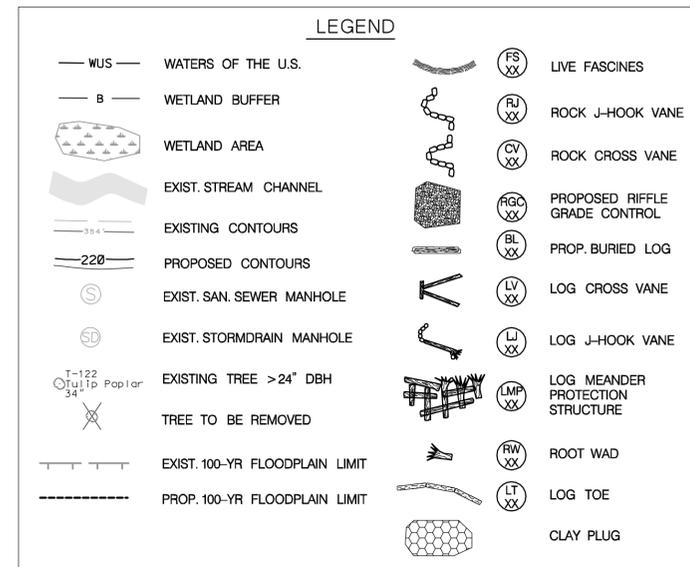


VICINITY MAP

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Expiration: 03/13/13

NOTES:

- PRIOR TO INITIATION OF WORK, THE CONTRACTOR SHALL WALK THE SITE WITH THE CONTRACTING OFFICER'S REPRESENTATIVES AND M-NOPPC TO IDENTIFY THE TREES TO BE PROTECTED.
- STOCKPILE AREA SHALL BE LOCATED AT AN MDE APPROVED OFF-SITE LOCATION.
- MAINTENANCE OF TRAFFIC IS THE RESPONSIBILITY OF THE CONTRACTOR.
- HARDWOOD MATS SHALL BE PLACED BY THE CONTRACTOR TO PROTECT CRITICAL ROOT ZONES, SANITARY SEWER LINES, MANHOLES AND SENSITIVE AREAS AS AS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL EMPLOY LOW IMPACT CONSTRUCTION TECHNIQUES FOR ALL AREAS WITHIN THE LOD.
- SILT FENCE AND SUPER SILT FENCE INSTALLED WITHIN CRITICAL ROOT ZONES SHALL NOT BE EMBEDDED INTO THE GROUND (I.E. TRENCHED) BUT THE REMAINING GEOTEXTILE SHALL BE SPREAD UPSLOPE OF THE FENCE LINE, STAPLED/STAKED ON 3 FOOT CENTERS AND COVERED WITH 12 INCHES OF MULCH. THE CHAIN LINK FENCE OF SUPER SILT FENCE SHALL NOT BE EMBEDDED BUT CUT AT GROUND LEVEL OR FOLDED UPSLOPE.
- THE WORK IN THIS AREA SHALL BE COMPLETED USING THE METHOD OF SAME DAY STABILIZATION. NO MORE AREA SHALL BE DISTURBED THAN CAN BE STABILIZED BY THE END OF THE WORKDAY. ALL DISTURBED AREAS SHALL BE STABILIZED BY THE END OF THE WORKDAY.
- WORK ACTIVITIES ON THE GOLF COURSE SHALL NOT PREVENT OR UNDULY INTERRUPT THE MOVEMENT OF CART TRAFFIC OR GOLF COURSE PATRONS ACCESS TO, AND PLAY ON, THE TEES, FAIRWAYS AND GREENS OF THE COURSE. THE CONTRACTOR SHALL PROVIDE THE GOLF COURSE SUPERINTENDENT 24 HOURS NOTIFICATION OF ANY WORK ACTIVITIES THAT MAY UNDULY INTERFERE WITH NORMAL GOLF COURSE OPERATIONS.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE EXISTING ASPHALT ROADS RESULTING FROM THE CONSTRUCTION ACTIVITIES.

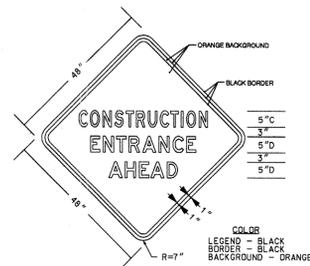


FOR ADDENDUM	DATE	APPR
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		DESCRIPTION

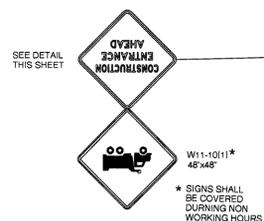
Date	08/11/2012
Design file no.	
Drawing code	BR-1
Dwg scale	AS SHOWN
Designed by	SPB
Checked by	REP
Drawn by	DEA
Reviewed by	TWH
Submitted by	CMK
U.S. ARMY ENGINEER DIVISION	
CORPS OF ENGINEERS	
BALTIMORE, MARYLAND	
W912DR-07-0-0008	
Task Order No. 19	

**BATCHELLORS RUN I & II
COVER SHEET**

Sheet Number:
7 OF 79

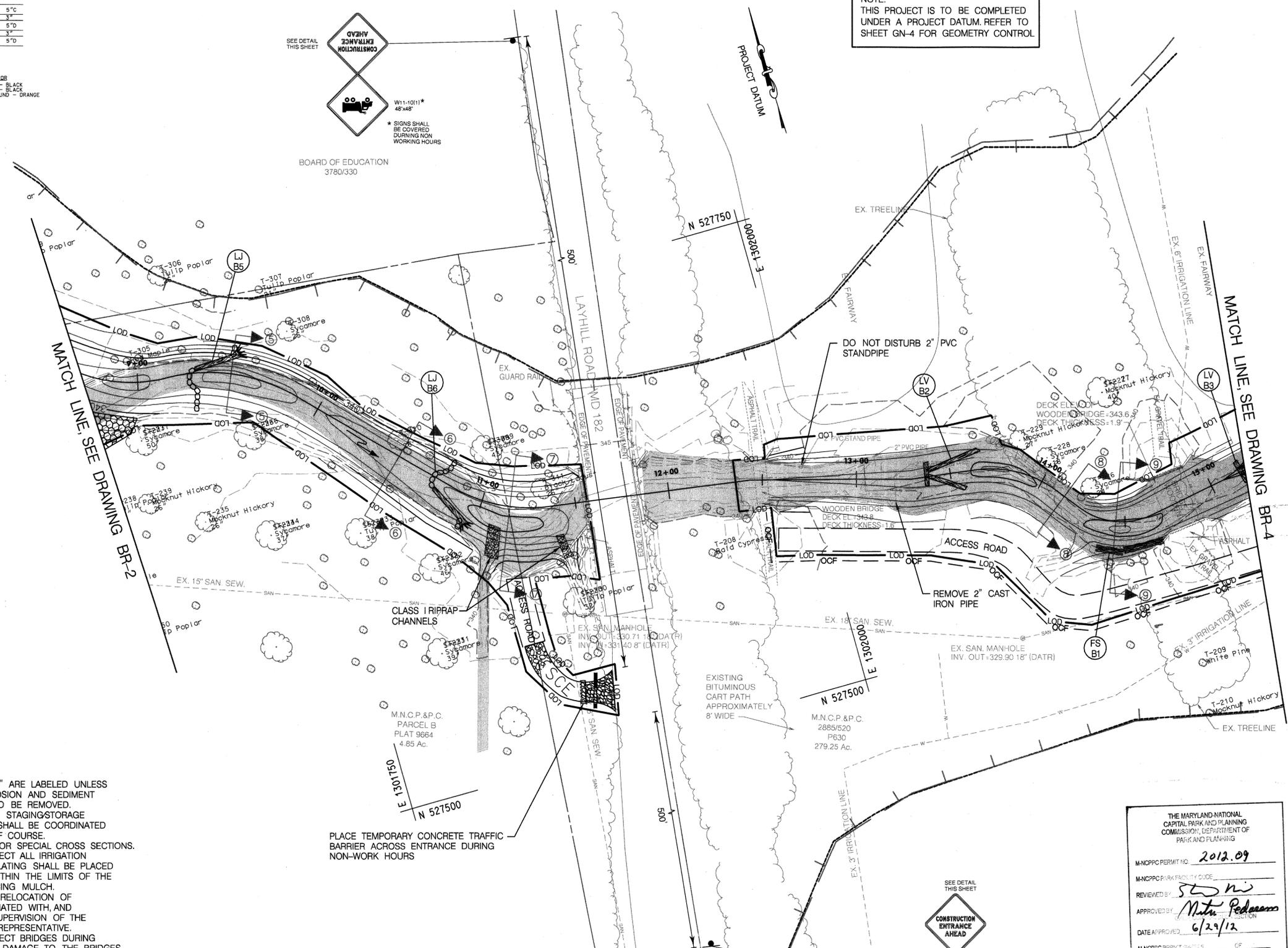


WARNING SIGN DETAIL
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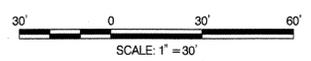
BOARD OF EDUCATION
3780/330

NOTE:
THIS PROJECT IS TO BE COMPLETED
UNDER A PROJECT DATUM. REFER TO
SHEET GN-4 FOR GEOMETRY CONTROL



- NOTES:
- ONLY TREES WITH A DBH >24" ARE LABELED UNLESS OTHERWISE SPECIFIED. SEE EROSION AND SEDIMENT CONTROL PLANS FOR TREES TO BE REMOVED.
 - LIMITS OF ACCESS ROADS AND STAGING/STORAGE AREA ARE APPROXIMATE AND SHALL BE COORDINATED WITH M-NCPPC AND THE GOLF COURSE.
 - SEE SHEETS BR-8 AND BR-9 FOR SPECIAL CROSS SECTIONS.
 - THE CONTRACTOR SHALL PROTECT ALL IRRIGATION LINES. STEEL OR COMPOSITE PLATING SHALL BE PLACED OVER ALL IRRIGATION LINES WITHIN THE LIMITS OF THE ACCESS ROAD PRIOR TO PLACING MULCH.
 - ANY REPAIR, REPLACEMENT OR RELOCATION OF IRRIGATION SHALL BE COORDINATED WITH AND BE COMPLETED UNDER THE SUPERVISION OF THE GOLF COURSE'S DESIGNATED REPRESENTATIVE.
 - THE CONTRACTOR SHALL PROTECT BRIDGES DURING CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THE BRIDGES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - PIPE REMOVAL SHALL EXTEND A MINIMUM OF 1-FOOT INTO THE CHANNEL BANKS.
 - FOR RIPRAP CHANNEL DETAIL SEE SHEET GN-12.
 - THE ORANGE CONSTRUCTION FENCE SHALL BE PLACED COINCIDENT WITH THE LIMIT OF DISTURBANCE. AN 8' BREAK IN THE FENCING SHALL BE PLACED AT ALL GOLF CART CROSSINGS.

PLACE TEMPORARY CONCRETE TRAFFIC BARRIER ACROSS ENTRANCE DURING NON-WORK HOURS



THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, DEPARTMENT OF PARK AND PLAYING

MANCPPC PERMIT NO. 2012.09

MANCPPC PARK FACILITY CODE _____

REVIEWED BY: Stu Ni

APPROVED BY: Maria Pedraza

DATE APPROVED: 6/29/12

MANCPPC PERMIT SITES _____ OF _____

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact Jay Childs, Construction Supervisor at (301) 495-2574

For Commission use only

Permit Application:

Date Received: _____

Park Permit No.: 2012.09

Permit Fee: _____

Review Staff:

Lead Staff: _____

Region Staff: _____

Planning Staff: _____

Inspector: _____

Other: _____

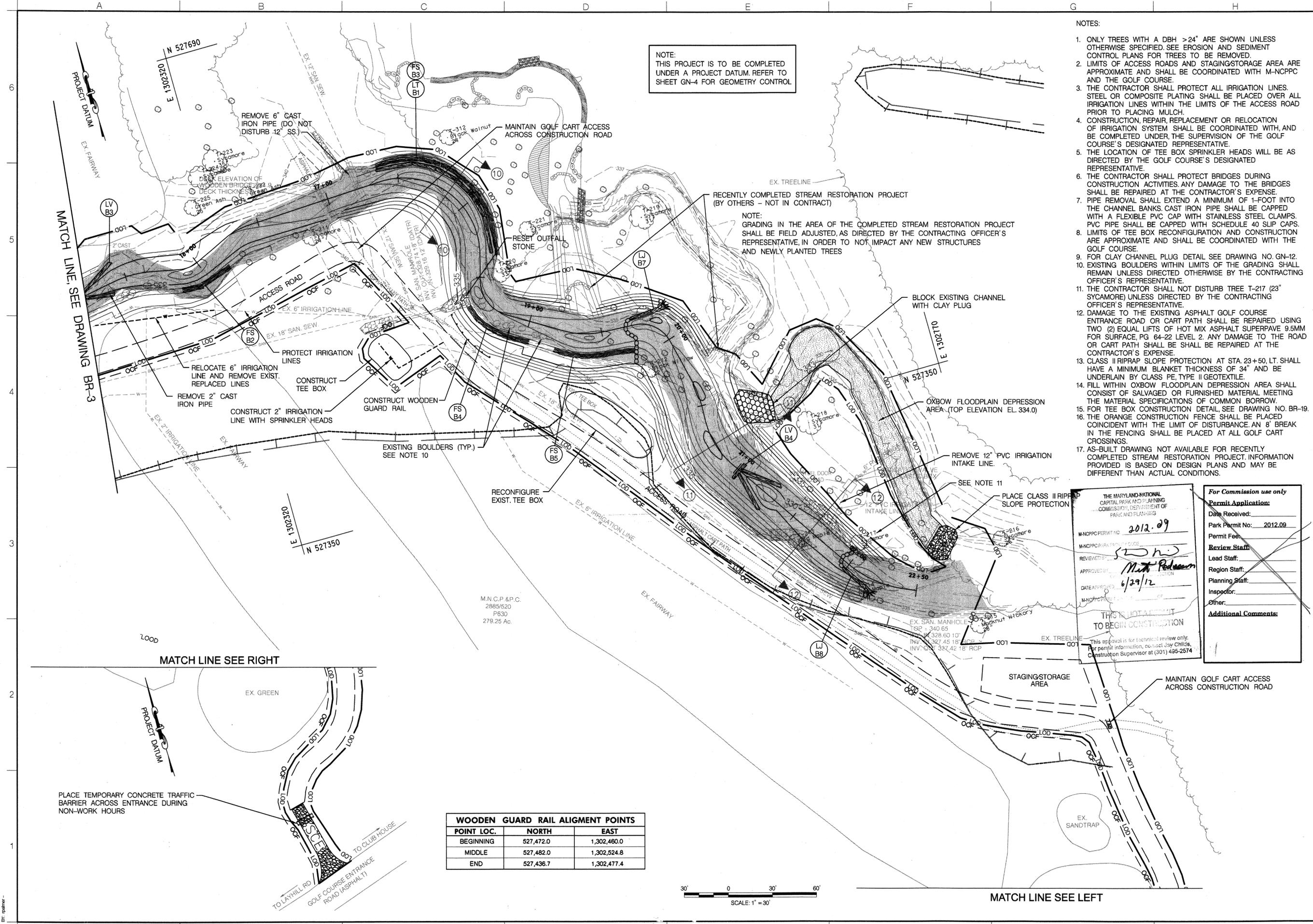
Additional Comments:



MARK	DESCRIPTION	DATE	APPR.

Designed by:	REP	Date:	06/11/2012
Drawn by:	DEA	Design file no.:	
Reviewed by:	TMH	Drawing code:	BR-3
Submitted by:	CVK	Dwg scale:	1"=30'
U.S. ARMY ENGINEER DIVISION CORPS OF ENGINEERS BALTIMORE, MARYLAND		W912DR-07-D-0008 Task Order No. 19	

**BATCHELLORS RUN I & II
SITE PLAN**



NOTE:
THIS PROJECT IS TO BE COMPLETED UNDER A PROJECT DATUM. REFER TO SHEET GN-4 FOR GEOMETRY CONTROL

NOTE:
GRADING IN THE AREA OF THE COMPLETED STREAM RESTORATION PROJECT SHALL BE FIELD ADJUSTED, AS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE, IN ORDER TO NOT IMPACT ANY NEW STRUCTURES AND NEWLY PLANTED TREES

NOTES:

- ONLY TREES WITH A DBH >24" ARE SHOWN UNLESS OTHERWISE SPECIFIED. SEE EROSION AND SEDIMENT CONTROL PLANS FOR TREES TO BE REMOVED.
- LIMITS OF ACCESS ROADS AND STAGING/STORAGE AREA ARE APPROXIMATE AND SHALL BE COORDINATED WITH M-NCPPC AND THE GOLF COURSE.
- THE CONTRACTOR SHALL PROTECT ALL IRRIGATION LINES. STEEL OR COMPOSITE PLATING SHALL BE PLACED OVER ALL IRRIGATION LINES WITHIN THE LIMITS OF THE ACCESS ROAD PRIOR TO PLACING MULCH.
- CONSTRUCTION, REPAIR, REPLACEMENT OR RELOCATION OF IRRIGATION SYSTEM SHALL BE COORDINATED WITH, AND BE COMPLETED UNDER THE SUPERVISION OF THE GOLF COURSE'S DESIGNATED REPRESENTATIVE.
- THE LOCATION OF TEE BOX SPRINKLER HEADS WILL BE AS DIRECTED BY THE GOLF COURSE'S DESIGNATED REPRESENTATIVE.
- THE CONTRACTOR SHALL PROTECT BRIDGES DURING CONSTRUCTION ACTIVITIES. ANY DAMAGE TO THE BRIDGES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- PIPE REMOVAL SHALL EXTEND A MINIMUM OF 1-FOOT INTO THE CHANNEL BANKS. CAST IRON PIPE SHALL BE CAPPED WITH A FLEXIBLE PVC CAP WITH STAINLESS STEEL CLAMPS. PVC PIPE SHALL BE CAPPED WITH SCHEDULE 40 SLIP CAPS.
- LIMITS OF TEE BOX RECONFIGURATION AND CONSTRUCTION ARE APPROXIMATE AND SHALL BE COORDINATED WITH THE GOLF COURSE.
- FOR CLAY CHANNEL PLUG DETAIL SEE DRAWING NO. GN-12.
- EXISTING BOULDERS WITHIN LIMITS OF THE GRADING SHALL REMAIN UNLESS DIRECTED OTHERWISE BY THE CONTRACTING OFFICER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL NOT DISTURB TREE T-217 (23" SYCAMORE) UNLESS DIRECTED BY THE CONTRACTING OFFICER'S REPRESENTATIVE.
- DAMAGE TO THE EXISTING ASPHALT GOLF COURSE ENTRANCE ROAD OR CART PATH SHALL BE REPAIRED USING TWO (2) EQUAL LIFTS OF HOT MIX ASPHALT SUPERPAVE 9.5MM FOR SURFACE, PG 64-22 LEVEL 2. ANY DAMAGE TO THE ROAD OR CART PATH SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CLASS II RIPRAP SLOPE PROTECTION AT STA. 23+50, LT. SHALL HAVE A MINIMUM BLANKET THICKNESS OF 34" AND BE UNDERLAIN BY CLASS PE, TYPE II GEOTEXTILE.
- FILL WITHIN OXBOW FLOODPLAIN DEPRESSION AREA SHALL CONSIST OF SALVAGED OR FURNISHED MATERIAL MEETING THE MATERIAL SPECIFICATIONS OF COMMON BORROW.
- FOR TEE BOX CONSTRUCTION DETAIL, SEE DRAWING NO. BR-19.
- THE ORANGE CONSTRUCTION FENCE SHALL BE PLACED COINCIDENT WITH THE LIMIT OF DISTURBANCE AN 8' BREAK IN THE FENCING SHALL BE PLACED AT ALL GOLF CART CROSSINGS.
- AS-BUILT DRAWING NOT AVAILABLE FOR RECENTLY COMPLETED STREAM RESTORATION PROJECT. INFORMATION PROVIDED IS BASED ON DESIGN PLANS AND MAY BE DIFFERENT THAN ACTUAL CONDITIONS.

THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION, DEPARTMENT OF PARK AND PLANNING

MANPCPP PERMIT NO. 2012-09

REVIEWED BY: *[Signature]*

APPROVED BY: *[Signature]*

DATE APPROVED: 6/29/12

MANPCPP PROJECT NO. W912DR-07-D-0008

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact Jay Childs, Construction Supervisor at (301) 495-2574

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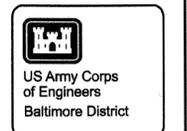
Planning Staff: _____

Inspector: _____

Other: _____

Additional Comments:

WOODEN GUARD RAIL ALIGNMENT POINTS		
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BEGINNING	527,472.0	1,302,460.0
MIDDLE	527,482.0	1,302,524.8
END	527,436.7	1,302,477.4



DATE	DESCRIPTION	MARK

Date:	06/11/2012
Design file no.:	
MANPCPP PERMIT NO.:	2012-09
REVIEWED BY:	<i>[Signature]</i>
APPROVED BY:	<i>[Signature]</i>
DATE APPROVED:	6/29/12
MANPCPP PROJECT NO.:	W912DR-07-D-0008
Task Order No.:	19

BATCHELLORS RUN I & II
SITE PLAN

Sheet Number:
10 OF 79