# ANNE ARUNDEL COUNTY MARYLAND

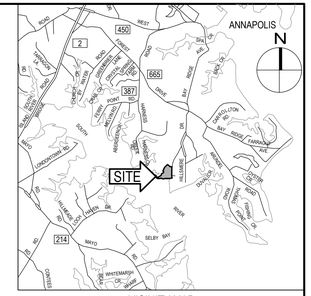
# DEPARTMENT OF PUBLIC WORKS

# QUIET WATERS RETREAT

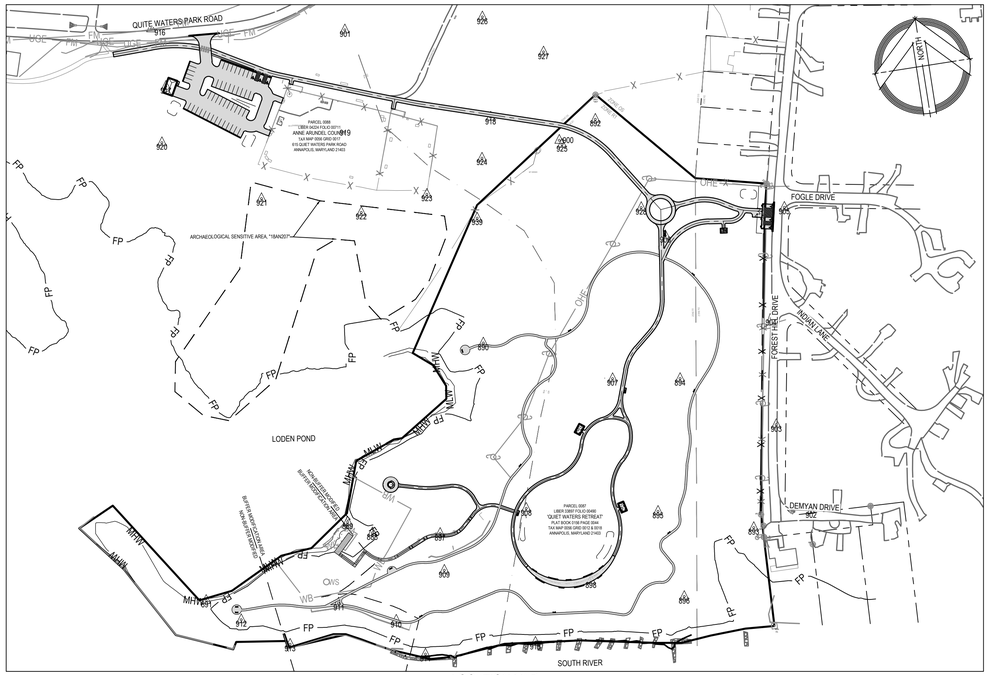
## 600 QUIET WATERS PARK ROAD, ANNAPOLIS, MD 21403

## PROJECT NO. P584600 , CONTRACT NO. P584607

## SCHEMATIC DESIGN SUBMISSION




VICINITY MAP
SCALE: 1" = 2,000'




LOCATION MAP
SCALE: 1" = 150'

## INDEX OF DRAWINGS

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| 002 | OVERALL EXISTING CONDITIONS PLAN |
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| 018 | CRITICAL AREA PLAN |
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## STANDARD RESPONSIBILITY NOTES:

1. I (WE) CERTIFY THAT:
   a. ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THIS SEDIMENT AND EROSION CONTROL PLAN, AND FURTHER, AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT (AASCD) BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS.
   b. ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE MARYLAND DEPARTMENT OF THE ENVIRONMENT'S APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. RESPONSIBLE PERSONNEL ON SITE: _____
   c. IF APPLICABLE, THE APPROPRIATE ENCLOSURE WILL BE CONSTRUCTED AND MAINTAINED ON SEDIMENT BASIN(S) INCLUDED IN THIS PLAN. SUCH STRUCTURE(S) WILL BE IN COMPLIANCE WITH THE ANNE ARUNDEL COUNTY CODE.
2. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHT, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THE PLAN.
3. FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT AND/OR TEMPORARY STABILIZATION PER THE AASCD VEGETATIVE ESTABLISHMENT SHALL BE COMPLETED WITHIN THREE CALENDAR DAYS FOR THE SURFACE OF ALL CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND SEVEN DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. THE GRADING AND SEDIMENT CONTROL APPROVAL ON THIS PLAN EXTENDS ONLY TO THOSE AREAS WITHIN THE LIMITS OF DISTURBANCE.
5. THE APPROVAL OF THIS PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH FEDERAL, STATE OR COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.
6. THE DEVELOPER MUST REQUEST THAT THE SEDIMENT AND EROSION CONTROL INSPECTOR APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
7. ALL MATERIAL SHALL BE TAKEN TO A SITE WITH AN APPROVED SEDIMENT AND EROSION CONTROL PLAN.
8. FIRST PHASE INSPECTION AND APPROVAL OF THE SEDIMENT AND EROSION CONTROL INSPECTOR SHALL BE REQUIRED UPON COMPLETION OF THE INSTALLATION OF EROSION AND SEDIMENT CONTROLS PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THE INITIAL APPROVAL BY THE SEDIMENT AND EROSION CONTROL INSPECTOR IS GIVEN. INSPECTION AND PERMITS MAY ALSO REQUIRE THAT AN INSPECTION AND CERTIFICATION OF THE INSTALLATION OF SEDIMENT CONTROL ALSO BE PERFORMED BY A DESIGN PROFESSIONAL PRIOR TO CONSTRUCTION COMMENCING.
9. APPROVAL FROM THE INSPECTOR MUST BE REQUESTED ON FINAL STABILIZATION OF ALL SITES PRIOR TO REMOVAL OF SEDIMENT AND EROSION CONTROLS.
10. EXISTING TOPOGRAPHY MUST BE FIELD VERIFIED BY RESPONSIBLE PERSONNEL TO THE SATISFACTION OF THE SEDIMENT CONTROL INSPECTOR PRIOR TO COMMENCING WORK.

_____ DATE ~~DATE~~
SIGNATURE OF DEVELOPER/OWNER

~~PRINT~~ NAME:

TITLE:

ADDRESS: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS
2662 RIVA ROAD
ANNAPOLIS, MARYLAND 21401

TELEPHONE NUMBER:

EMAIL ADDRESS:

## CONSULTANT'S CERTIFICATION

THE DEVELOPER'S PLAN TO CONTROL SILT AND EROSION IS ADEQUATE TO CONTAIN THE SILT AND EROSION ON THE PROPERTY COVERED BY THE PLAN. I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THIS SITE, AND WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASCD PLAN SUBMITTAL GUIDELINES AND THE CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER.

MD P.E. LICENSE # _____

MD LAND SURVEYOR LICENSE # _____

MD LANDSCAPE ARCHITECT # _____

NAME _____

FIRM NAME _____

ADDRESS _____ _____

CITY _____ STATE _____ ZIP CODE _____

NOTE: THE CONSULTANT'S CERTIFICATION MUST BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER IF THE SITE LIES WITHIN THE SEVERN RIVER WATERSHED.

## GENERAL CONSTRUCTION NOTES:

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH ANNE ARUNDEL COUNTY STANDARD SPECIFICATIONS AND/OR DETAILS FOR CONSTRUCTION AND THE STATE HIGHWAY ADMINISTRATION'S HIGHWAY DRAINAGE MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION UNLESS OTHERWISE NOTED.
2. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS AND ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE.
3. THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AT 1-800-257-7777 A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION, BORING. PILE DRIVING AND/OR DIGGING FOR THE LOCATION OF GAS, ELECTRIC, TELEPHONE, WATER AND SEWER LINES.
4. MECHANICAL EXCAVATION SHALL NOT BE CONDUCTED WITHIN 3 FEET HORIZONTALLY OR WITHIN 2 FEET VERTICALLY OF KNOWN UTILITY LOCATIONS. HAND OR SOFT DIGGING SHALL BE DONE WITHIN THESE LIMITS. UNDERGROUND UTILITIES, ONCE UNCOVERED, SHALL BE PROTECTED FROM BEING STRUCK BY EQUIPMENT.
5. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
6. ALL EXCESS SOIL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION.
7. DISTURBANCES THAT DO NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED BY THE END OF THE WORKDAY. NO MORE AREA SHALL BE DISTURBED THAN CAN BE STABILIZED BY THE END OF THE WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE. SLOPES SHALL BE STABILIZED IMMEDIATELY WITH TOPSOIL, SEED AND EROSION CONTROL MATTING (IF REQUIRED). SEE NOTE #16.
8. ALL FILL AREAS SHALL BE CLEANED OF ALL VEGETATION AND DEBRIS PRIOR TO THE PLACEMENT OF FILL. FILL MATERIAL SHALL BE PLACED IN CONTROLLED LIFTS WITH A MAXIMUM THICKNESS OF 8" PRIOR TO COMPACTION THAT IS CONTINUOUS OVER THE ENTIRE AREA OF FILL EACH LAYER OF FILL SHALL BE COMPACTED WITH THE MINIMUM NUMBER OF PASSES NECESSARY TO PRODUCE A FULL ASYMPTOTIC COMPACTION.
9. ALL STONE USED FOR THE PROTECTIONS WORK SHALL BE DURABLE QUARRIED STONE. THE STONE SHALL BE HARD AND ANGULAR, FREE FROM EITHER LAMINATIONS, WEAK CLEAVAGES, OR UNDESIRABLE WEATHERING, AND OF SUCH CHARACTER THAT IT WILL NOT DISINTEGRATE FROM THE ACTION OF AIR, SALT, WATER, OR HANDLING. SEDIMENTARY STONE WILL GENERALLY BE UNACCEPTABLE. INDIVIDUAL STONES WILL BE FREE FROM THIN, SLABBY PIECES HAVING A MAXIMUM DIMENSION OF MORE THAN THREE AND ONE-HALF TIMES THE LEAST DIMENSION.
10. ANY EXCAVATION THAT MEETS SAND FILL REQUIREMENTS MAY BE REUSED. OTHERWISE, UNSUITABLE MATERIAL IS TO BE DISPOSED OF AT AN APPROVED LOCATION.
11. THE WORK INSTALLED AS A PART OF THE PROJECT WILL CONTAIN NO FAULTY MATERIALS, OR ANY CARELESS, OR UNSKILLED WORKMANSHIP.
12. THE CONTRACTOR SHALL CORRECT, REPAIR, OR REMOVE AND REPLACE WITH PROPER WORK AT NO COST TO THE COUNTY, OR ANY WORK FOUND NOT TO BE AS PER THE GUARANTEE. THE CONTRACTOR SHALL ALSO MAKE GOOD ALL DAMAGES CAUSED TO OTHER WORK OR MATERIALS IN THE PROCESS OF FULFILLING THE GUARANTEE.
13. CONTRACTOR MAY UTILIZE STOCKPILE AREAS AS DELINEATED ON PLANS.
14. ALL DISTURBED AREAS SHALL HAVE PERMANENT OR TEMPORARY STABILIZATION COMPLETED WITHIN: THREE CALENDAR DAYS ON SLOPES GREATER THAN 3:1 AND TO THE SURFACE OF ALL PERIMETER SEDIMENT CONTROLS. SEVEN CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS.
15. ALL TREES WITH A DIAMETER GREATER THAN 12 INCHES WITHIN THE LIMIT OF DISTURBANCE SHALL NOT BE REMOVED UNLESS PRIOR APPROVAL IS OBTAINED OR EXPLICITLY SHOWN ON THE PLANS TO BE REMOVED. ALL TREES WITHIN THE LIMIT OF DISTURBANCE, THAT ARE NOT TO BE REMOVED SHALL BE PROTECTED WITH TREE PROTECTION FENCING OR TREE REINFORCED PLANKING.
16. ALL DISTURBED AREAS WITH SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITH TEMPORARY SOIL STABILIZATION MATING THAT HAS A SUFFICIENT DESIGN SHEAR STRESS FOR THE APPLICATION OR AS SHOWN ON THE APPROVED SEDIMENT AND EROSION CONTROL PLANS.
17. ALL ROADS SHALL BE CLEANED AND CLEARED BY THE END OF EACH WORK DAY. ANY MUD OR ROCKS TRACKED ON THE ROADWAYS SHALL BE SWEPT BEFORE THE END OF EACH WORK DAY.
18. ALL STAKING, RE-STAKING, AND CUT SHEETS SHALL BE PERFORMED BY A REGISTERED LAND SURVEYOR OR PROFESSIONAL ENGINEER AT THE CONTRACTOR' S EXPENSE.
19. ALL CONSTRUCTION TO BE PERFORMED IN ACCORDANCE WITH STATE OF MARYLAND OCCUPATIONAL SAFETY LAWS.
20. CONTRACTOR MUST ENSURE THAT COPIES OF FEDERAL, STATE, AND COUNTY PERMITS ARE POSTED ON SITE PRIOR TO THE START OF ANY WORK.
21. CONTRACTOR SHALL RESTORE ALL AREAS IMPACTED BY CONSTRUCTION ACTIVITY. THIS SHALL INCLUDE BUT NOT LIMITED TO GRASS AREAS, ROADS, AND PAVED AREAS, ETC.
22. WITHOUT THE EXPRESS WRITTEN CONSENT OF THE COUNTY (THROUGH THE OFFICE OF PLANNING AND ZONING'S CULTURAL RESOURCES DIVISION), THE OWNER OR MANAGER OF THE PROPERTY SHALL NOT CAUSE, PERMIT, OR SUFFER GRADING, EXCAVATION, PLOWING, SUBSOILING, DRAINAGE IMPROVEMENTS, OR OTHER UNDERTAKING OR ACTION THAT WOULD DISTURB MATERIAL ON THE SURFACE OR SUBSURFACE OF THE GROUND AREA WITHIN THE ARCHAEOLOGICAL SENSITIVE AREA AS RECORDED WITH THE STATE OF MARYLAND, KNOWN AS 18AN207.

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

150 0 75 150 300
1"=150'-0"

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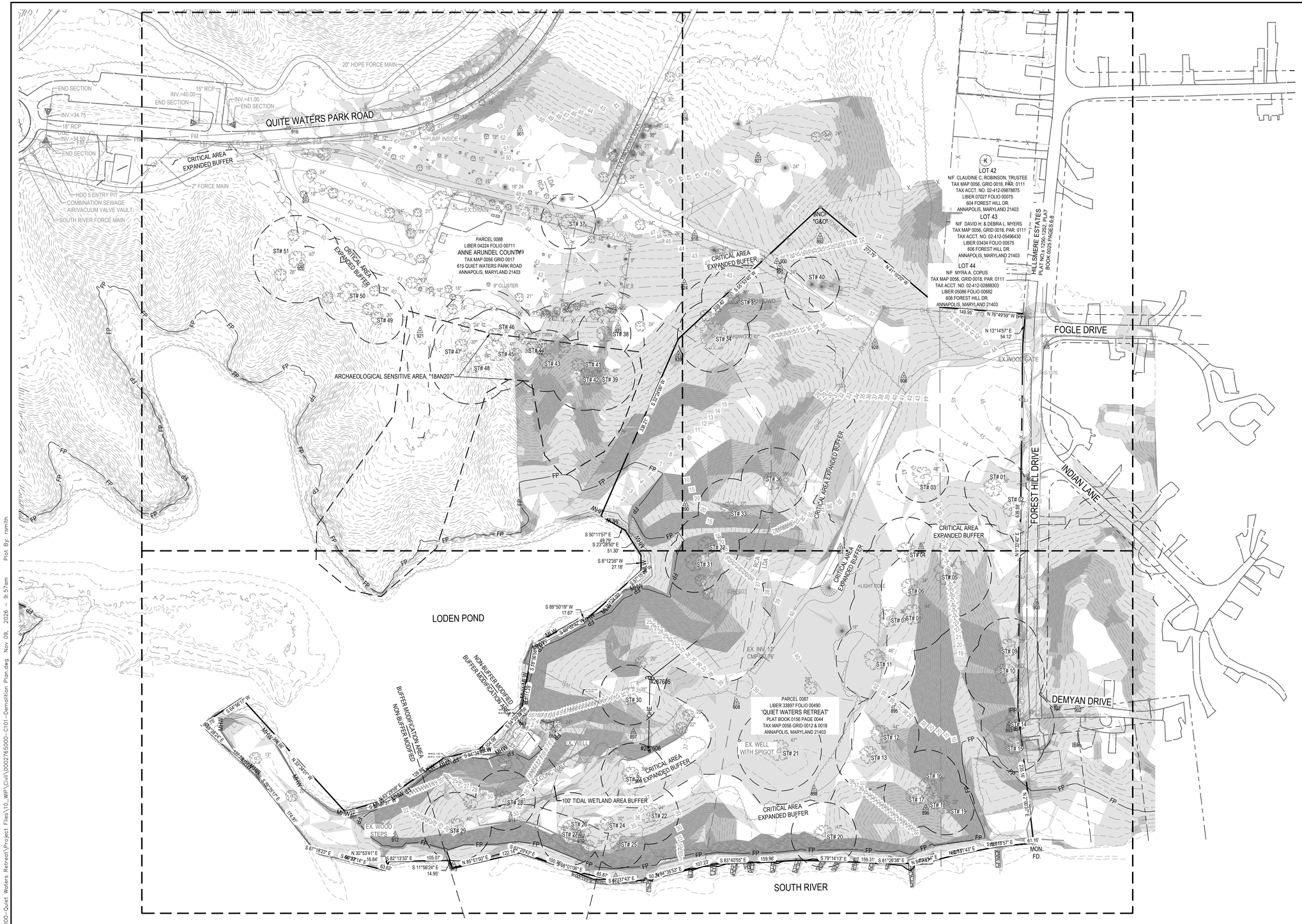

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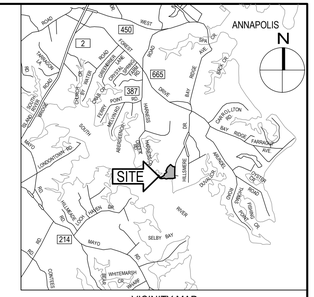
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

| | | | |
|---|---|---|---|
| APPROVED DATE | APPROVED DATE | SCALE: 1" = 150' | QUIET WATERS RETREAT |
| CHIEF ENGINEER | PROJECT MANAGER | DRAWN BY: R.S.S. | |
| APPROVED DATE | APPROVED DATE | CHECKED BY: R.W.H. | COVER SHEET |
| ASSISTANT CHIEF ENGINEER | CHIEF, RIGHT-OF-WAY | SHEET NO. OF | |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

Plot By: rsmith
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VICINITY MAP
SCALE: 1" = 2,000'

## LEGEND

| DESCRIPTION | EXISTING |
|---|---|
| BUILDING | EX. BLDG |
| BITUMINOUS CONCRETE PAVING | EX.MACADAM |
| GRAVEL DRIVE | EX. GRAVEL |
| CONCRETE PAVERS | EX. PAVERS |
| DECIDUOUS / EVERGREEN TREES | 12" 6" 3" |
| TREELINE | |
| CLEAN OUT | C.O. |
| DRAIN INLET | |
| TRENCH DRAIN | |
| ELECTRIC MH | E |
| FIRE HYDRANT | |
| GAS VALVE | |
| HAND BOX | H.B. |
| INLET MH | |
| UTILITY POLE | |
| SANITARY MH | S |
| SIGN (ONE-POST) | |
| STORM DRAIN MH | D |
| STREET LIGHT | |
| TRAVERSE STATION | △ 900 |
| WELL | W |
| WATER VALVE | |
| SPOT ELEVATION | × 35.5 |
| MAJOR CONTOUR | 35 |
| MINOR CONTOUR | 36 |
| WALL | |
| CONC. CURB | |
| SURVEY LIMITS | |
| FENCE LINE | X |
| O/H ELECTRIC | OHE |
| U/G ELECTRIC | UGE |
| U/G GAS | G |
| U/G SANITARY | SS |
| SANITARY FORCE MAIN | FM |
| U/G STORM | D |
| UG WATER | W |
| U/G TELEPHONE | T |
| SOIL BORING | TH# |
| MEAN HIGH WATER | |
| CAC EXPANDED BUFFER | |
| CRITICAL AREA BOUNDARY | LDA / RCA |
| STEEP SLOPES: 5% TO 15% | |
| STEEP SLOPES: 15% TO 25% | |
| DENOTES STEEP SLOPES: 25% OR > | |

## GENERAL NOTE:

WITHOUT THE EXPRESS WRITTEN CONSENT OF THE COUNTY (THROUGH THE OFFICE OF PLANNING AND ZONING'S CULTURAL RESOURCES DIVISION), THE OWNER OR MANAGER OF THE PROPERTY SHALL NOT CAUSE, PERMIT, OR SUFFER GRADING, EXCAVATION, PLOWING, SUBSOILING, DRAINAGE IMPROVEMENTS, OR OTHER UNDERTAKING OR ACTION THAT WOULD DISTURB MATERIAL ON THE SURFACE OR SUBSURFACE OF THE GROUND AREA WITHIN THE ARCHAEOLOGICAL SENSITIVE AREA AS RECORDED WITH THE STATE OF MARYLAND, KNOWN AS 18AN207.

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1"=80'-0" (80 0 40 80 160)


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| REVISIONS | | | |
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| NO. | DESCRIPTION | BY | DATE |
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

| | | | |
|---|---|---|---|
| APPROVED DATE — CHIEF ENGINEER | APPROVED DATE — PROJECT MANAGER | SCALE: 1" = 80' | QUIET WATERS RETREAT |
| APPROVED DATE — ASSISTANT CHIEF ENGINEER | APPROVED DATE — CHIEF, RIGHT-OF-WAY | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | OVERALL EXISTING CONDITIONS PLAN |
| | | SHEET NO. OF | |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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MATCH LINE SEE DEMOLITION PLAN

## LEGEND

| DESCRIPTION | EXISTING | DEMOLISH / REMOVE |
|---|---|---|
| BUILDING | EX. BLDG | |
| BITUMINOUS CONCRETE PAVING | EX.MACADAM | |
| GRAVEL DRIVE | EX. GRAVEL | |
| CONCRETE PAVERS | EX. PAVERS | |
| DECIDUOUS / EVERGREEN TREES | 12" 6" 3" | 12" 6" 3" |
| TREELINE | | |

## DEMOLITION NOTES:

D-1 SAW CUT EXISTING BITUMINOUS CONCRETE PAVING.
D-2 REMOVE EXISTING BITUMINOUS CONCRETE PAVING.
D-3 REMOVE EXISTING GRAVEL PAVED DRIVEWAY / PARKING LOT.
D-4 REMOVE EXISTING BOAT HOUSE AND FOUNDATION.
D-5 REMOVE EXISTING WOOD RAMP AND WOOD PILING.
D-6 REMOVE EXISTING WELL HOUSE AND FOUNDATION.
D-7 REMOVE EXISTING LIGHT POLE AND APPENDAGES.
D-8 REMOVE EXISTING TREES AS NECESSARY FOR NEW CONSTRUCTION.
D-9 REMOVE STORM DRAIN STRUCTURES AND ASSOCIATED PIPING.
D-10 REMOVE EXISTING WOODEN FENCE AND POSTS.
D-11 ABANDON EXISTING WELL PER COMAR REGULATIONS.
D-12 AREA OF SELECTIVE VEGETATION REMOVAL AND UNDER STORY CLEARING AS DIRECTED IN THE FIELD AND AS NECESSARY FOR NEW CONSTRUCTION. NO SPECIMEN TREES ARE TO BE REMOVED.
D-13 REMOVE EXISTING CONCRETE PAVERS.
D-14 REMOVE EXISTING METAL FENCE AND POSTS.
D-15 REMOVE EXISTING CONCRETE RETAINING WALL.
D-16 REMOVE EXISTING WOODEN STAIRS.
D-17 REMOVE EXISTING UTILITY POLE, ELECTRIC PANEL AND ASSOCIATED WIRING.

LODEN POND
SOUTH RIVER
EX. MARSH
EX. WELL
EX. ELEC. PANEL
EX. 1 STORY WELL HOUSE
EX. INV. 12" CMP=37.76'
EX. WOOD BULKHEAD
EX. CONC. BULKHEAD (BROKEN)
EX. RIP RAP (TYP.)
EX. WOOD RET. WALL
EX. CONC. WALL
EX. GRAVEL
LIGHT POLE
STORM DRAIN INLETS
EX. RAMP
NON-BUFFER MODIFIED
BUFFER MODIFICATION AREA
BUFFER MODIFICATION AREA NON-BUFFER MODIFIED
100' TIDAL WETLAND AREA BUFFER
CRITICAL AREA EXPANDED BUFFER
MHW EL. 0.42'
MLW EL. -0.55'
#287604
#287605
#287606
PARCEL 0087
LIBER 33897 FOLIO 00490
"QUIET WATERS RETREAT"
PLAT BOOK 0156 PAGE 0044
TAX MAP 0056 GRID 0012 & 0018
ANNAPOLIS, MARYLAND 21403

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| REVISIONS | | | |
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

| | | | |
|---|---|---|---|
| APPROVED DATE / CHIEF ENGINEER | APPROVED DATE / PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | |
| APPROVED DATE / ASSISTANT CHIEF ENGINEER | APPROVED DATE / CHIEF, RIGHT-OF-WAY | SHEET NO. OF | DEMOLITION PLAN |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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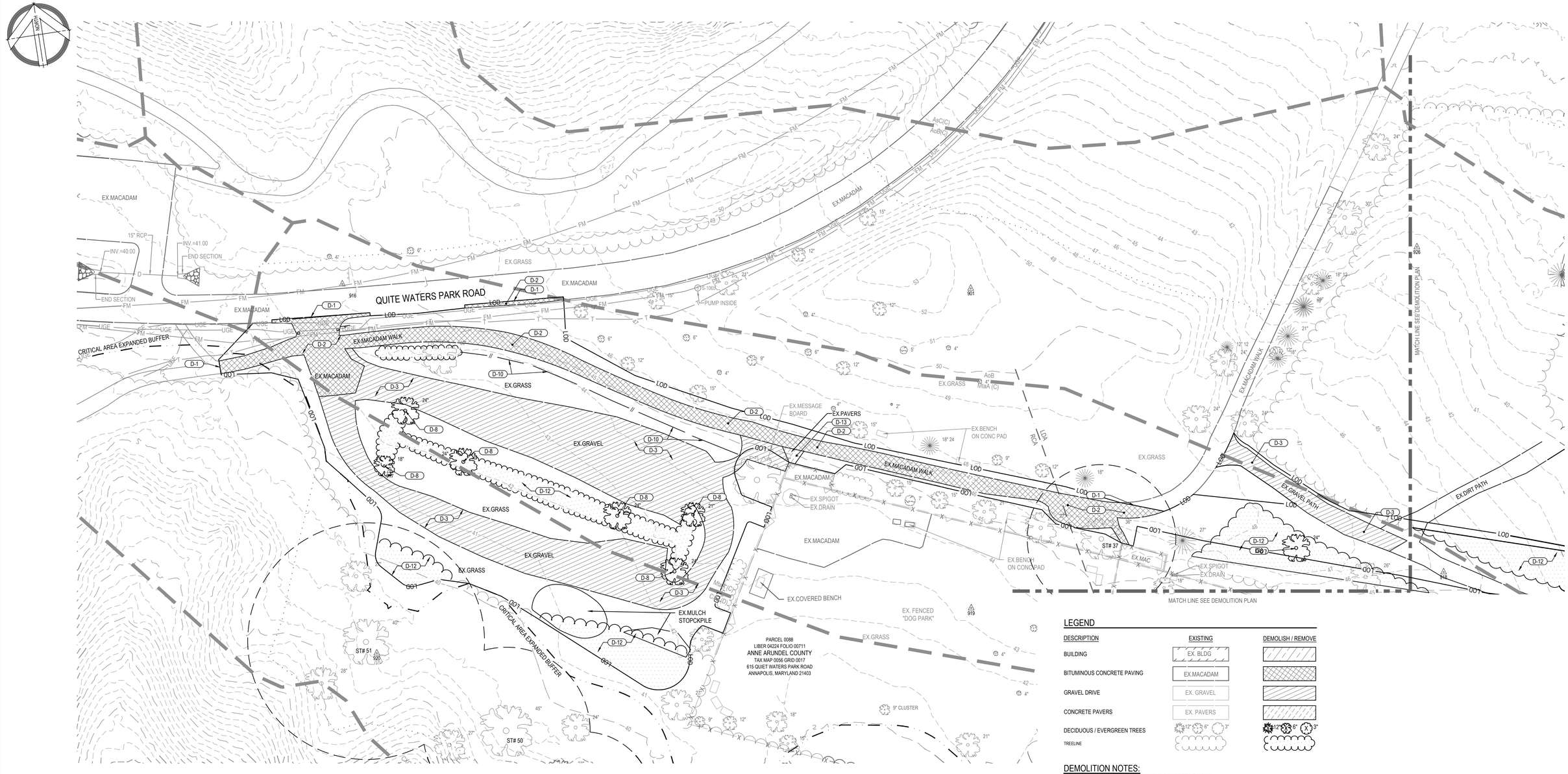
REVISIONS

| NO. | DESCRIPTION | BY | DATE |
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

| | | | |
|---|---|---|---|
| APPROVED DATE — CHIEF ENGINEER | APPROVED DATE — PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| APPROVED DATE — ASSISTANT CHIEF ENGINEER | APPROVED DATE — CHIEF, RIGHT-OF-WAY | DRAWN BY: R.S.S.<br>CHECKED BY: R.W.H.<br>SHEET NO. OF<br>PROJECT NO.: P584600<br>CONTRACT NO.: P584607 | DEMOLITION PLAN |

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## LEGEND

| DESCRIPTION | EXISTING | DEMOLISH / REMOVE |
|---|---|---|
| BUILDING | EX. BLDG | |
| BITUMINOUS CONCRETE PAVING | EX.MACADAM | |
| GRAVEL DRIVE | EX. GRAVEL | |
| CONCRETE PAVERS | EX. PAVERS | |
| DECIDUOUS / EVERGREEN TREES | 12" 6" 3" | 12" 6" 3" |
| TREELINE | | |

## DEMOLITION NOTES:

D-1 SAW CUT EXISTING BITUMINOUS CONCRETE PAVING.
D-2 REMOVE EXISTING BITUMINOUS CONCRETE PAVING.
D-3 REMOVE EXISTING GRAVEL PAVED DRIVEWAY / PARKING LOT.
D-4 REMOVE EXISTING BOAT HOUSE AND FOUNDATION.
D-5 REMOVE EXISTING WOOD RAMP AND WOOD PILING.
D-6 REMOVE EXISTING WELL HOUSE AND FOUNDATION.
D-7 REMOVE EXISTING LIGHT POLE AND APPENDAGES.
D-8 REMOVE EXISTING TREES AS NECESSARY FOR NEW CONSTRUCTION.
D-9 REMOVE STORM DRAIN STRUCTURES AND ASSOCIATED PIPING.
D-10 REMOVE EXISTING WOODEN FENCE AND POSTS.
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1"=30'-0" 30 0 15 30 60

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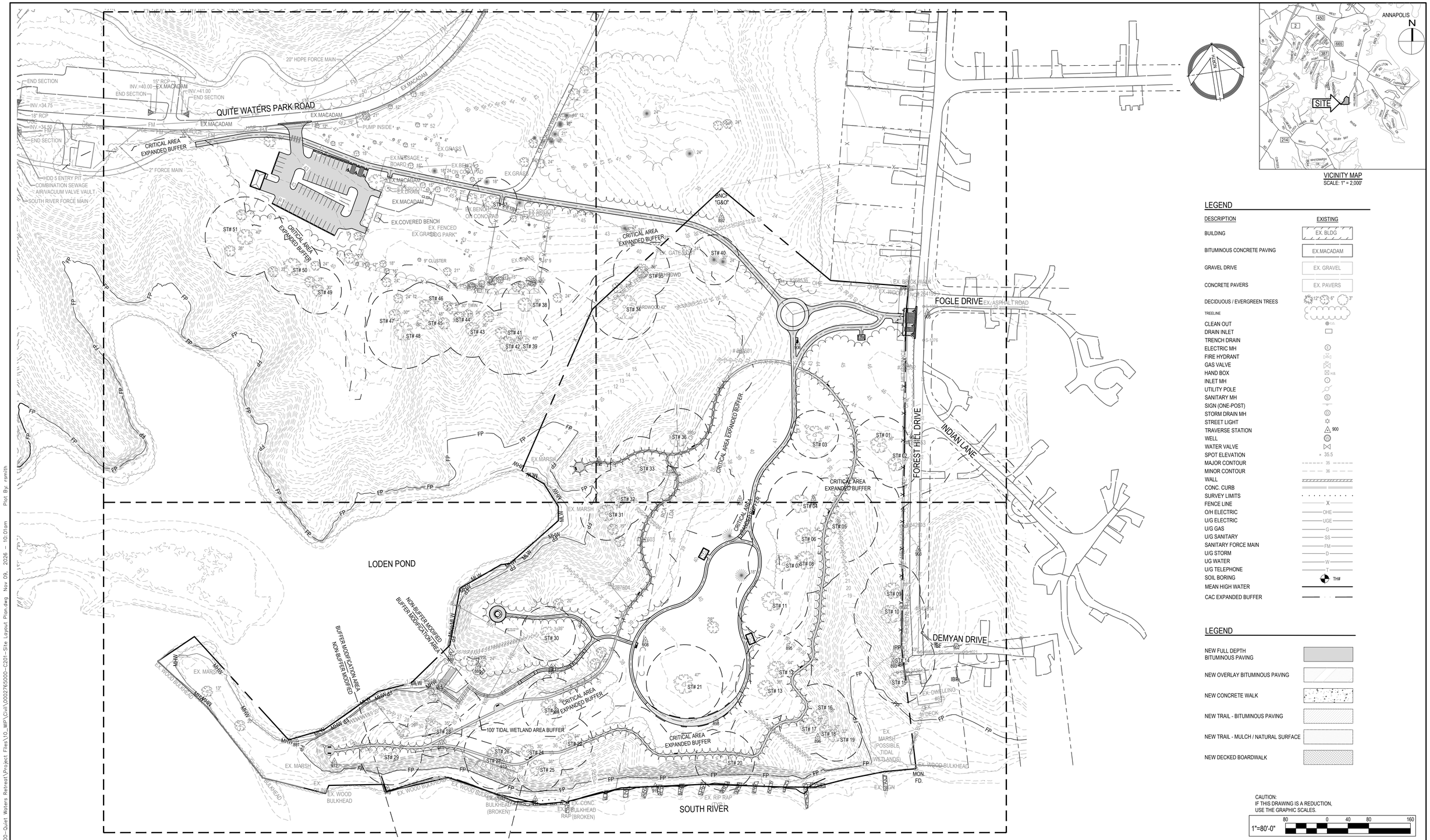
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License #27734 Expiration Date: 07/12/2026

| REVISIONS | | | |
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| NO. | DESCRIPTION | BY | DATE |
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

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|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | DEMOLITION PLAN |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF | |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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VICINITY MAP
SCALE: 1" = 2,000'

## LEGEND

| DESCRIPTION | EXISTING |
|---|---|
| BUILDING | EX. BLDG |
| BITUMINOUS CONCRETE PAVING | EX.MACADAM |
| GRAVEL DRIVE | EX. GRAVEL |
| CONCRETE PAVERS | EX. PAVERS |
| DECIDUOUS / EVERGREEN TREES | |
| TREELINE | |
| CLEAN OUT | |
| DRAIN INLET | |
| TRENCH DRAIN | |
| ELECTRIC MH | E |
| FIRE HYDRANT | |
| GAS VALVE | |
| HAND BOX | H.B. |
| INLET MH | |
| UTILITY POLE | |
| SANITARY MH | S |
| SIGN (ONE-POST) | |
| STORM DRAIN MH | D |
| STREET LIGHT | |
| TRAVERSE STATION | 900 |
| WELL | W |
| WATER VALVE | |
| SPOT ELEVATION | × 35.5 |
| MAJOR CONTOUR | 35 |
| MINOR CONTOUR | 36 |
| WALL | |
| CONC. CURB | |
| SURVEY LIMITS | |
| FENCE LINE | X |
| O/H ELECTRIC | OHE |
| U/G ELECTRIC | UGE |
| U/G GAS | G |
| U/G SANITARY | SS |
| SANITARY FORCE MAIN | FM |
| U/G STORM | D |
| UG WATER | W |
| U/G TELEPHONE | T |
| SOIL BORING | TH# |
| MEAN HIGH WATER | |
| CAC EXPANDED BUFFER | |

## LEGEND

| | |
|---|---|
| NEW FULL DEPTH BITUMINOUS PAVING | |
| NEW OVERLAY BITUMINOUS PAVING | |
| NEW CONCRETE WALK | |
| NEW TRAIL - BITUMINOUS PAVING | |
| NEW TRAIL - MULCH / NATURAL SURFACE | |
| NEW DECKED BOARDWALK | |

CAUTION:
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1"=80'-0" (80 0 40 80 160)


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|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 80' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | CHECKED BY: R.W.H. | OVERALL SITE LAYOUT PLAN |
| | | SHEET NO. OF | |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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MATCH LINE SEE SITE LAYOUT PLAN

LODEN POND

## CONSTRUCTION NOTES:

N-1 MEET EXISTING CONDITIONS.
N-2 NEW 20' x 33' MAINTENANCE SHED.
N-3 NEW 38' x 40' OVERLOOK WOOD DECK PLATFORM.
N-4 NEW 12' x 20' OPEN AIR PAVILION ON CONCRETE PAD.
N-5 NEW FULL DEPTH BITUMINOUS CONCRETE PAVING, SEE DETAIL #1 ON SITE DETAILS.
N-6 NEW BITUMINOUS CONCRETE CONCRETE MILL AND OVERLAY, SEE DETAIL #2 ON SITE DETAILS.
N-7 NEW CONCRETE SIDEWALK, SEE DETAIL #3 ON SITE DETAILS.
N-8 NEW BITUMINOUS CONCRETE PEDESTRIAN TRAIL, SEE DETAIL #4 ON SITE DETAILS.
N-9 NEW CONCRETE UNIT PAVERS, SEE DETAIL #5 ON SITE DETAILS.
N-10 NEW MULCH / NATURAL SURFACE TRAIL, SEE DETAIL #6 ON SITE DETAILS.
N-11 NEW DECKED BOARDWALK, SEE DETAIL #7 ON SITE DETAILS.
N-12 NEW 4" STANDARD PARKING STRIPING,SEE DETAIL #8 ON SITE DETAILS.
N-13 NEW ADA ACCESSIBLE PARKING STRIPING, SEE DETAIL #9 ON SITE DETAILS.
N-14 NEW ADA ACCESSIBLE PARKING SIGN, SEE DETAIL #10 ON SITE DETAILS.
N-15 NEW CONCRETE WHEEL STOP, SEE DETAIL #11 ON SITE DETAILS.
N-16 NEW PEDESTRIAN CROSSWALK, SEE DETAIL #12 ON SHEET C202.
N-17 NEW PORTABLE TOILETS (PROVIDED BY OWNER) WITH WOOD ENCLOSURE, SEE DETAIL #13 ON SITE DETAILS.
N-18 NEW BENCH ON CONCRETE PAD, SEE DETAIL #14 ON SITE DETAILS.
N-19 NEW SPLIT RAIL FENCING, SEE DETAIL #15 ON SITE DETAILS.
N-20 NEW CONCRETE SEAT WALL, SEE DETAIL #16 ON SITE DETAILS.
N-21 NEW REMOVABLE BOLLARD, SEE DETAIL #17 ON SITE DETAILS.
N-22 NEW BENCH ON CONCRETE FOOTERS, SEE DETAIL #14 ON SITE DETAILS.

## LEGEND

NEW FULL DEPTH BITUMINOUS PAVING
NEW OVERLAY BITUMINOUS PAVING
NEW CONCRETE WALK
NEW TRAIL - BITUMINOUS PAVING
NEW TRAIL - MULCH / NATURAL SURFACE
NEW DECKED BOARDWALK

NON-BUFFER MODIFIED BUFFER MODIFICATION AREA
100' TIDAL WETLAND AREA BUFFER
CRITICAL AREA EXPANDED BUFFER
EX. MARSH
EX. WOOD BULKHEAD
EX. WOOD REV. WALL
EX. CONC. BULKHEAD (BROKEN)
EX. RIP RAP (TYP.)
EX. TILING
SOUTH RIVER

CAUTION:
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ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

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|---|---|---|---|
| APPROVED DATE — CHIEF ENGINEER | APPROVED DATE — PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| APPROVED DATE — ASSISTANT CHIEF ENGINEER | APPROVED DATE — CHIEF, RIGHT-OF-WAY | DRAWN BY: R.S.S. / CHECKED BY: R.W.H. | SITE LAYOUT PLAN |
| | | SHEET NO. OF / PROJECT NO.: P584600 / CONTRACT NO.: P584607 | |

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## CONSTRUCTION NOTES:

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- N-10 NEW MULCH / NATURAL SURFACE TRAIL, SEE DETAIL #6 ON SITE DETAILS.
- N-11 NEW DECKED BOARDWALK, SEE DETAIL #7 ON SITE DETAILS.
- N-12 NEW 4" STANDARD PARKING STRIPING,SEE DETAIL #8 ON SITE DETAILS.
- N-13 NEW ADA ACCESSIBLE PARKING STRIPING, SEE DETAIL #9 ON SITE DETAILS.
- N-14 NEW ADA ACCESSIBLE PARKING SIGN, SEE DETAIL #10 ON SITE DETAILS.
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## LEGEND

- NEW FULL DEPTH BITUMINOUS PAVING
- NEW OVERLAY BITUMINOUS PAVING
- NEW CONCRETE WALK
- NEW TRAIL - BITUMINOUS PAVING
- NEW TRAIL - MULCH / NATURAL SURFACE
- NEW DECKED BOARDWALK

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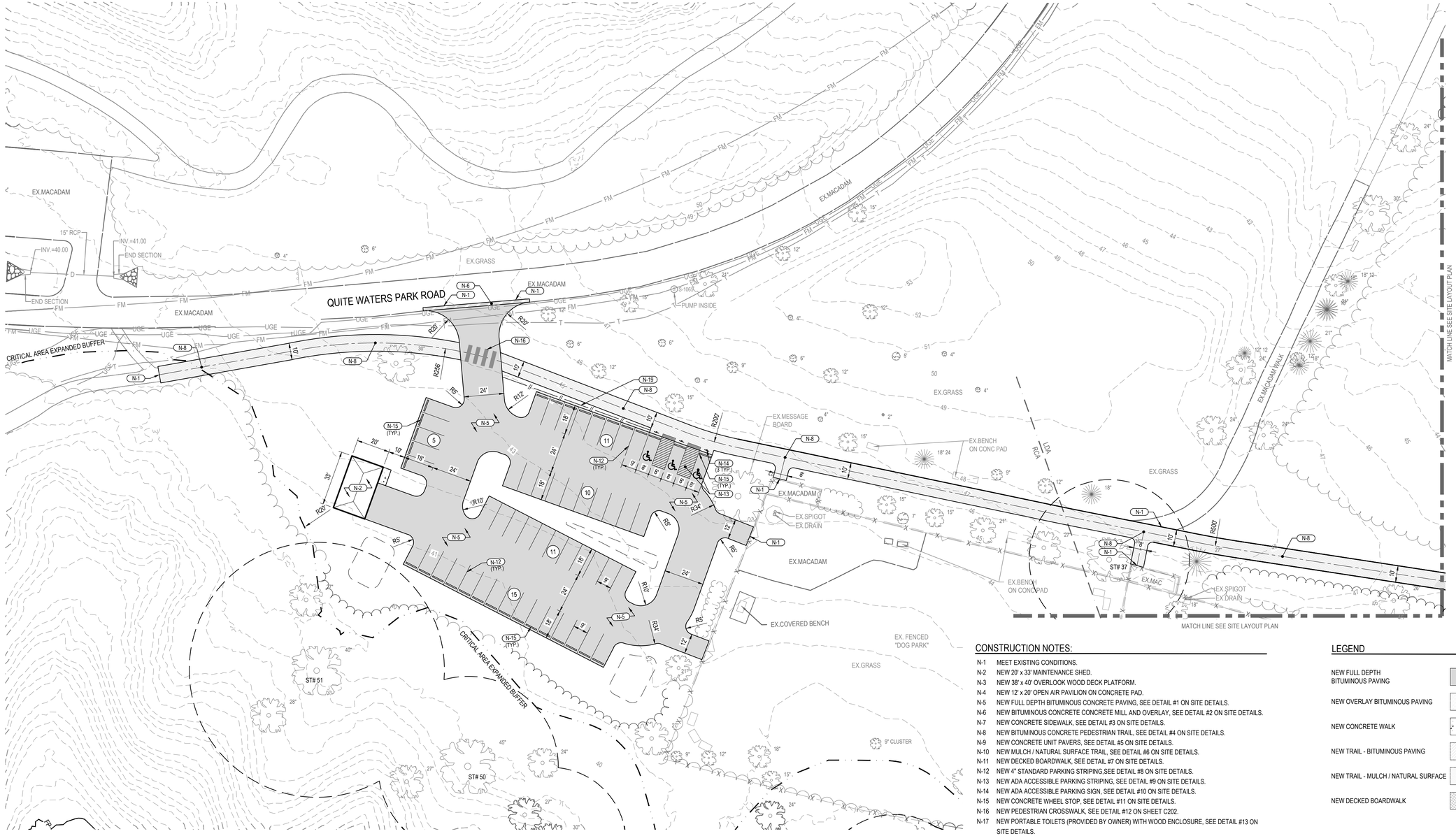

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|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 30'<br>DRAWN BY: R.S.S.<br>CHECKED BY: R.W.H. | QUIET WATERS RETREAT |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF<br>PROJECT NO.: P584600<br>CONTRACT NO.: P584607 | SITE LAYOUT PLAN |

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MATCH LINE SEE SITE LAYOUT PLAN

## CONSTRUCTION NOTES:

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## LEGEND

- NEW FULL DEPTH BITUMINOUS PAVING
- NEW OVERLAY BITUMINOUS PAVING
- NEW CONCRETE WALK
- NEW TRAIL - BITUMINOUS PAVING
- NEW TRAIL - MULCH / NATURAL SURFACE
- NEW DECKED BOARDWALK

## PARKING COMPUTATION:

| | |
|---|---|
| STANDARD PARKING SPACES | = 49 SPACES |
| ADA PARKING PARKING SPACES | = 6 SPACES |
| TOTAL PARKING SPACES PROVIDED | = 55 SPACES |

CAUTION:
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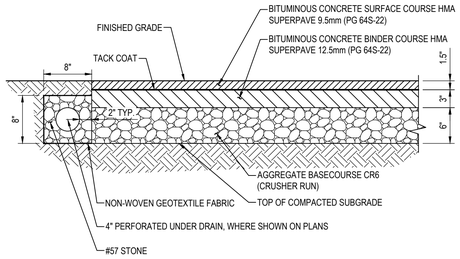
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| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF | SITE LAYOUT PLAN |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

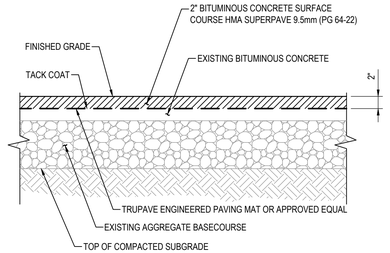
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SECTION

## 1 FULL DEPTH BITUMINOUS CONCRETE PAVING

SCALE: 1" = 1'-0"

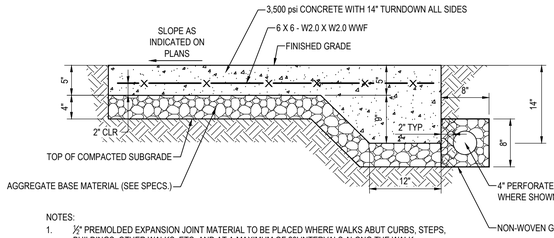



NOTES:
1. MAINTAIN POSITIVE DRAINAGE AT ALL TIMES.
2. AT PERIMETERS OF OVERLAY PAVING AREAS: MEET NEW ROAD PAVING SECTION FINISHED GRADE FLUSH.
3. MILL THE TOP 2INCHES OF THE PARKING LOT AND ROADWAY SURFACE.
4. EXAMINE THE MILLED SURFACE. CUT OUT ANY FAILED BASE COURSE AREA EXHIBITING ALLIGTOR OR PATCHWORK CRACKING, WHICH MAY HAVE BEEN HIDDEN BELOW THE SURFACE COURSE, TO EXPOSE THE UNDERLYING SOIL OR CRUSHED STONE BASE.
5. CLEAN EXPOSED LINEAR CRACKS IN THE EXPOSED SURFACE, FILLING CRACKS THINNER THAN 1/4-INCH WIDTH WITH LIQUID ASPHALT AND FILLING CRACKS LARGER THAN 1/4-INCH WITH SAND/ASPHALT MIX.
6. PLACE THE LIQUID ASPHALT TACK COAT AND APPROPRIATE PAVEMENT GRADE GEOTEXTILE FABRIC ACROSS THE ENTIRE OVERLAY AREA TO MEET MANUFACTURER'S REQUIREMENTS. PAVING FABRIC SHOULD BE INSTALLED BY AN APPROVED SPECIALTY CONTRACTOR.
7. PLACE A 2-INCH THICK OVERLAY SECTION OF HOT-MIX ASPHALT (9.5MM SUPERPAVE, LEVEL 10 OVER THE ENTIRE OVERLAY AREA.

SECTION

## 2 BITUMINOUS CONCRETE MILL AND OVERLAY

SCALE: 1" = 1'-0"

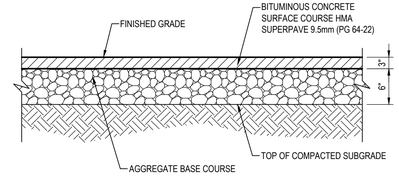



NOTES:
1. ½" PREMOLDED EXPANSION JOINT MATERIAL TO BE PLACED WHERE WALKS ABUT CURBS, STEPS, BUILDINGS, OTHER WALKS, ETC. AND AT A MAXIMUM OF 20' INTERVALS ALONG THE WALK.
2. SCORING SHALL BE PROVIDED AT 4' ON-CENTER FOR 4' & 8' WALKS, 5' ON-CENTER FOR 5' & 10' WALKS, AND 6' ON-CENTER FOR 6' AND LARGER NOT PREVIOUSLY MENTIONED.

SECTION

## 3 CONCRETE SIDEWALK

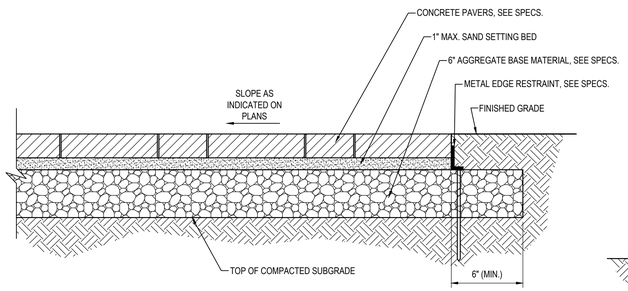
SCALE: 1" = 1'-0"




SECTION

## 4 BITUMINOUS CONCRETE PEDESTRIAN TRAIL

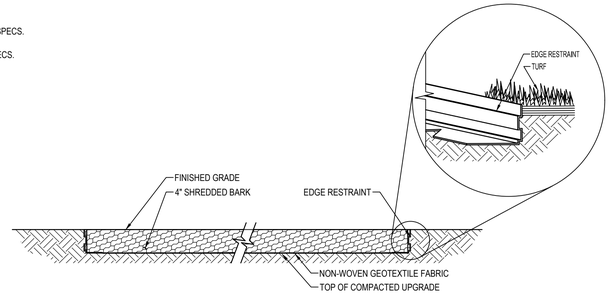
SCALE: 1" = 1'-0"




SECTION

## 5 CONCRETE UNIT PAVER ON SAND BASE

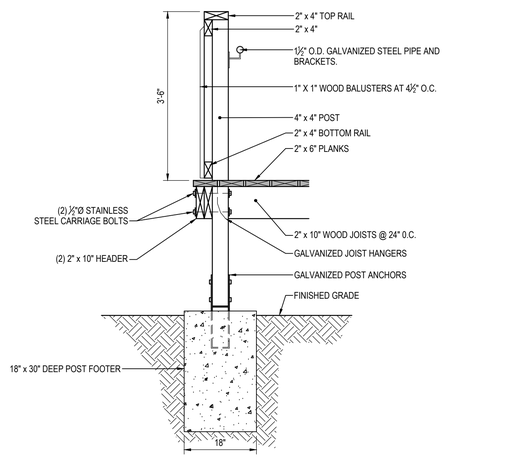
SCALE: 1" = 1'-0"




ELEVATION

## 6 MULCHED PEDESTRIAN TRAIL

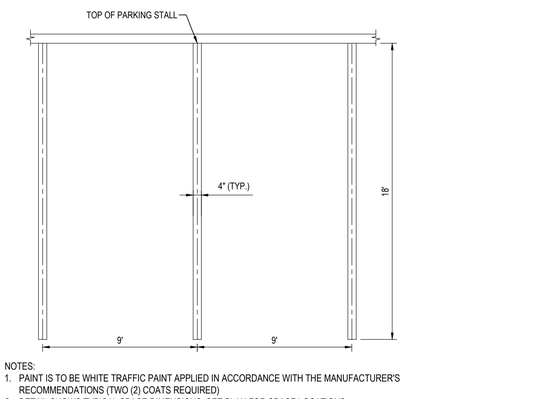
NOT TO SCALE




ELEVATION

## 7 DECKED BOARDWALK

NOT TO SCALE

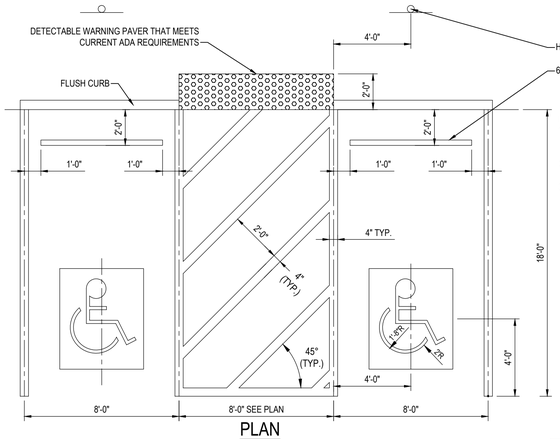



NOTES:
1. PAINT IS TO BE WHITE TRAFFIC PAINT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS (TWO (2) COATS REQUIRED)
2. DETAIL SHOWS TYPICAL SPACE DIMENSIONS. SEE PLAN FOR SPACE LOCATIONS.

PLAN

## 8 4" STANDARD PAVEMENT STRIPING

NOT TO SCALE

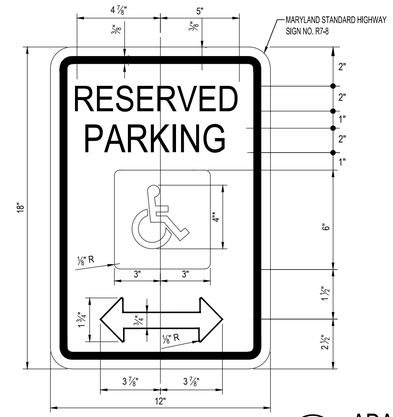



NOTES:
1. PAINT TO BE WHITE TRAFFIC PAINT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TWO (2) COATS REQUIRED.
2. SEE PLAN TO DETERMINE IF MULTIPLE HANDICAP SPACES ARE REQUIRED.
3. HANDICAPPED SYMBOL TO BE WHITE TRAFFIC PAINT ON BLUE TRAFFIC PAINT BACKGROUND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. TWO (2) COATS REQUIRED.

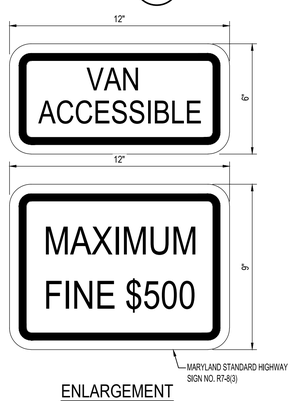
PLAN

## 9 ADA ACCESSIBLE PARKING STRIPING

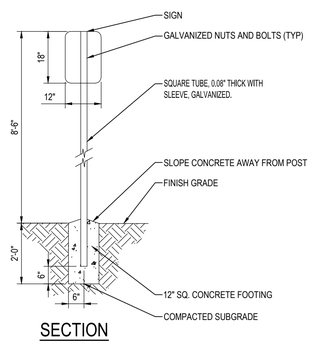
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ENLARGEMENT



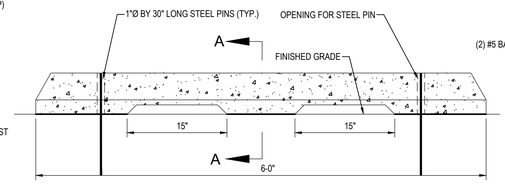

ENLARGEMENT




SECTION

## 10 ADA ACCESSIBLE PARKING SIGN

NOT TO SCALE




ELEVATION

SECTION A-A

## 11 CONCRETE WHEELSTOP

SCALE: 1" = 1'-0"

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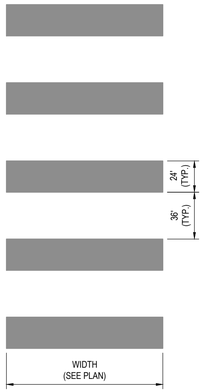
REVISIONS

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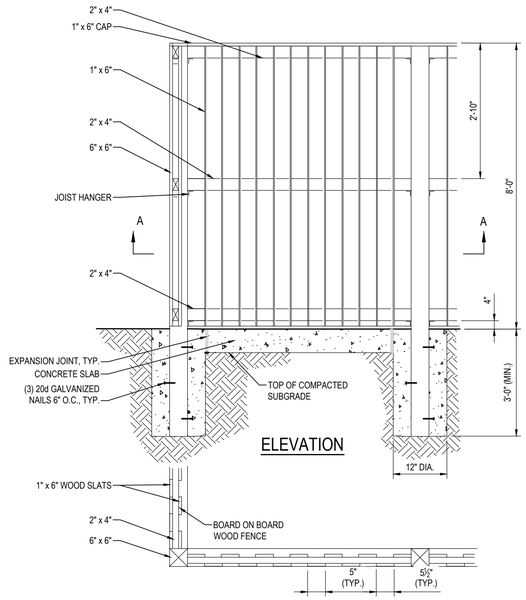
| | | | |
|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: AS SHOWN<br>DRAWN BY: R.S.S.<br>CHECKED BY: R.W.H. | QUIET WATERS RETREAT |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF<br>PROJECT NO.: P584600<br>CONTRACT NO.: P584607 | SITE DETAILS |

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NOTES:
1. PAINT IS TO BE WHITE THERMOPLASTIC PAINT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS (TWO (2) COATS REQUIRED).

PLAN



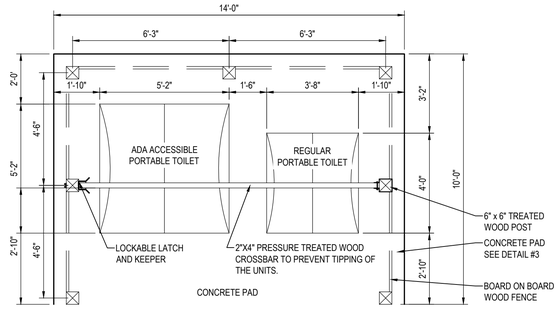

ELEVATION

SECTION A-A

## 12 PEDESTRIAN CROSS WALK STRIPING

NOT TO SCALE

NOTES:
1. ALL 6" x 6" POSTS SHALL BE CCA TREATED SOUTHERN YELLOW PINE, AWPA C1, SMOOTH FINISH.
2. ALL WOOD OTHER THAN POSTS SHALL BE WESTERN RED CEDAR, NLGA 204B. ALL EXTERIOR FACE BOARDS SHALL HAVE A SMOOTH FINISH.
3. ALL HARDWARE SHALL BE GALVANIZED COATED.
4. ALL EXPOSED HARDWARE SHALL HAVE A BLACK FINISH.

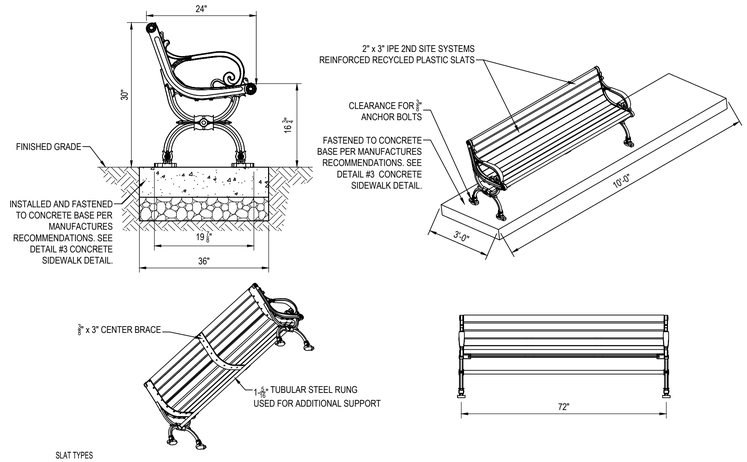



PORTABLE TOILETS PLAN

NOTE:
PORTABLE TOILETS ARE TO BE PROVIDED BY OWNER.

## 13 PORTABLE TOILETS (PROVIDED BY OWNERS) WITH WOODEN ENCLOSURE

NOT TO SCALE



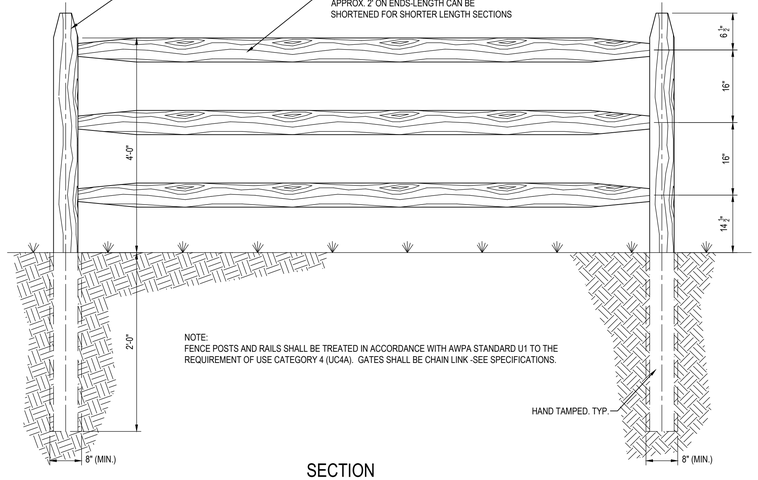

SLAT TYPES

RECYCLED PLASTIC: RECYCLED PLASTIC SLATS
COLOR: CEDAR

MANUFACTURE: ULINE PLAZA BENCH - 6' CEDAR

## 14 PARK BENCH ON CONCRETE PAD

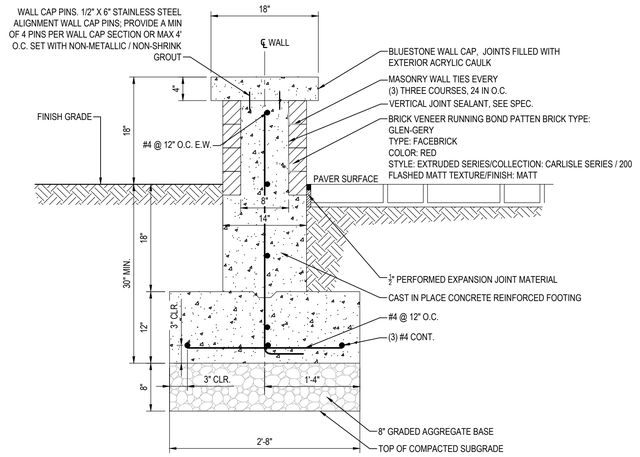
NOT TO SCALE




SECTION

## 15 SPLIT RAIL FENCING

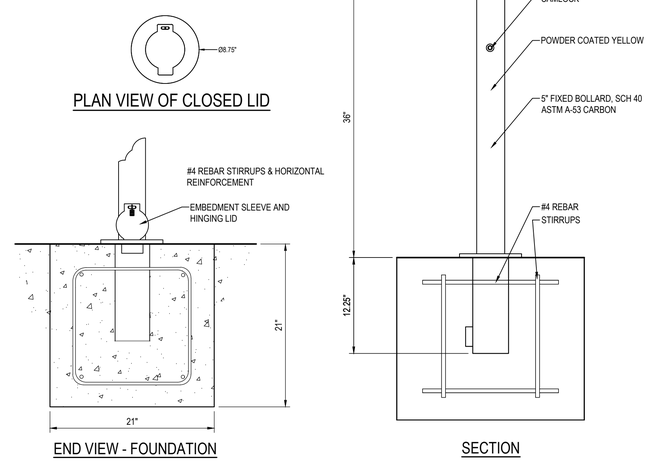
NOT TO SCALE




SECTION

## 16 CONCRETE SEAT WALL

SCALE: 1" = 1'-0"




END VIEW - FOUNDATION

SECTION

## 17 REMOVABLE BOLLARD

SCALE: 1" = 1'-0"


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| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF<br>PROJECT NO.: P584600<br>CONTRACT NO.: P584607 | SITE DETAILS |


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VICINITY MAP
SCALE: 1" = 2,000'

CAUTION:
IF THIS DRAWING IS A REDUCTION,
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1"=80'-0" 80 0 40 80 160


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|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 80' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF | OVERALL GRADING PLAN |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

Plot By: ramith Nov 09, 2026 - 10:16am C:\Users\ramith\OC\ACCDocs\GFT\00027E5000-Quiet Waters Retreat\Project Files\10_WIP\Civil\00027E5000-C301-Grading Plan.dwg

MATCH LINE SEE GRADING PLAN

LODEN POND

## GRADING LEGEND

| | |
|---|---|
| NEW MAJOR CONTOUR | 40 |
| NEW MINOR CONTOUR | 39 |
| NEW SPOT ELEVATION | 39.50 |
| FLOW ARROW | |
| NEW STORM DRAIN | |
| NEW UNDER DRAIN | |
| NEW INLET | |
| NEW CLEAN OUT | CO |
| NEW INLET | I |
| NEW MANHOLE | SMH |
| NEW END SECTION | ES |
| NEW OBSERVATION WELL | OWS |

## GRADING NOTES

~~GRADING NOTES~~

NOTE: ALL SPOT SHOT ELEVATIONS ARE TOP OF FINISHED GRADE, UNLESS

EX = EXISTING ELEVATION
TR = TOP OF RAMP
BR = BOTTOM OF RAMP
F.F EL. = FINISHED FLOOR ELEVATION

NON-BUFFER MODIFIED
BUFFER MODIFICATION AREA

BUFFER MODIFICATION AREA
NON-BUFFER MODIFIED

MHW EL. 0.42'
MLW EL. -0.55'

100' TIDAL WETLAND AREA BUFFER

CRITICAL AREA EXPANDED BUFFER

OBSERVATION DECK
F.F. EL. 17.00

NEW BOARDWALK, TYP.

F.F. EL. 40.24

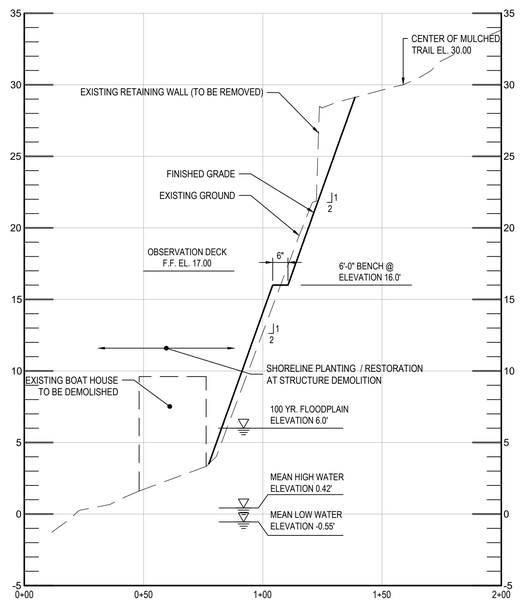
F.F. EL. 40.58

ST# 04
ST# 05
ST# 06
ST# 07
ST# 08
ST# 11
ST# 12
ST# 13
ST# 16
ST# 17
ST# 18
ST# 20
ST# 21
ST# 22
ST# 23
ST# 24
ST# 25
ST# 26
ST# 27
ST# 28
ST# 30
ST# 31

SOUTH RIVER

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

1"=30'-0" (30 0 15 30 60)




OBSERVATION DECK SECTION A-A

SCALE: HORIZ. 1"=30' VERT. 1"=5'


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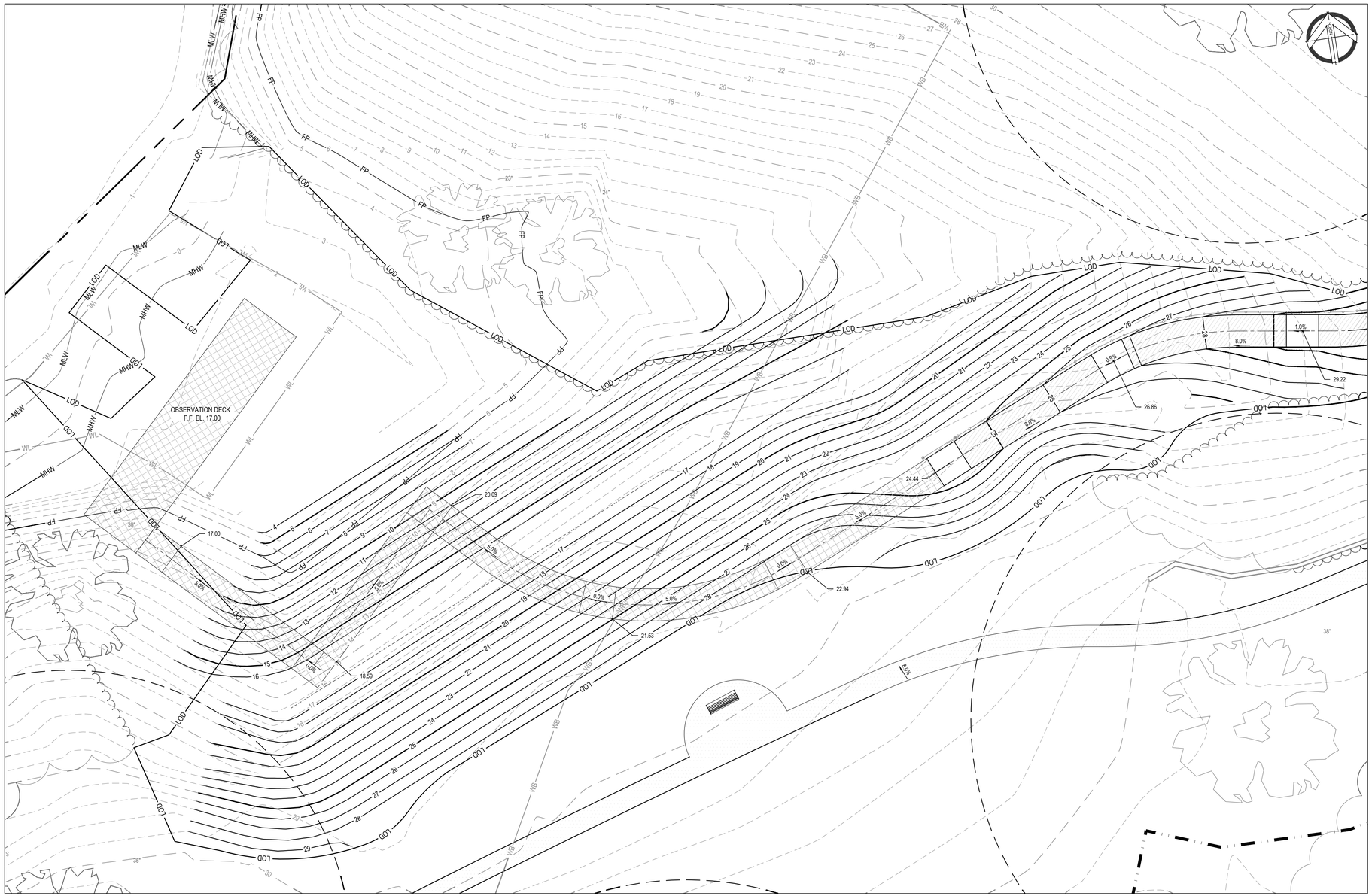

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|---|---|---|---|
| APPROVED DATE — CHIEF ENGINEER | APPROVED DATE — PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | |
| APPROVED DATE — ASSISTANT CHIEF ENGINEER | APPROVED DATE — CHIEF, RIGHT-OF-WAY | SHEET NO. OF | GRADING PLAN |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |


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GRADING ENLARGEMENT PLAN
SCALE: 1" = 10'

CAUTION:
IF THIS DRAWING IS A REDUCTION,
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1"=10'-0" 10 0 5 10 20


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|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 10' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | GRADING ENLARGEMENT PLAN |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | SHEET NO. OF | |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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## GRADING LEGEND

- NEW MAJOR CONTOUR — 40
- NEW MINOR CONTOUR — 39
- NEW SPOT ELEVATION — 39.50
- FLOW ARROW
- NEW STORM DRAIN
- NEW UNDER DRAIN
- NEW INLET
- NEW CLEAN OUT — CO #
- NEW INLET — I #
- NEW MANHOLE — SMH #
- NEW END SECTION — ES #
- NEW OBSERVATION WELL — OBS #

## GRADING NOTES

~~GENERAL DETAILS~~

NOTE: ALL SPOT SHOT ELEVATIONS ARE TOP OF FINISHED GRADE, UNLESS

EX = EXISTING ELEVATION
TR = TOP OF RAMP
BR = BOTTOM OF RAMP
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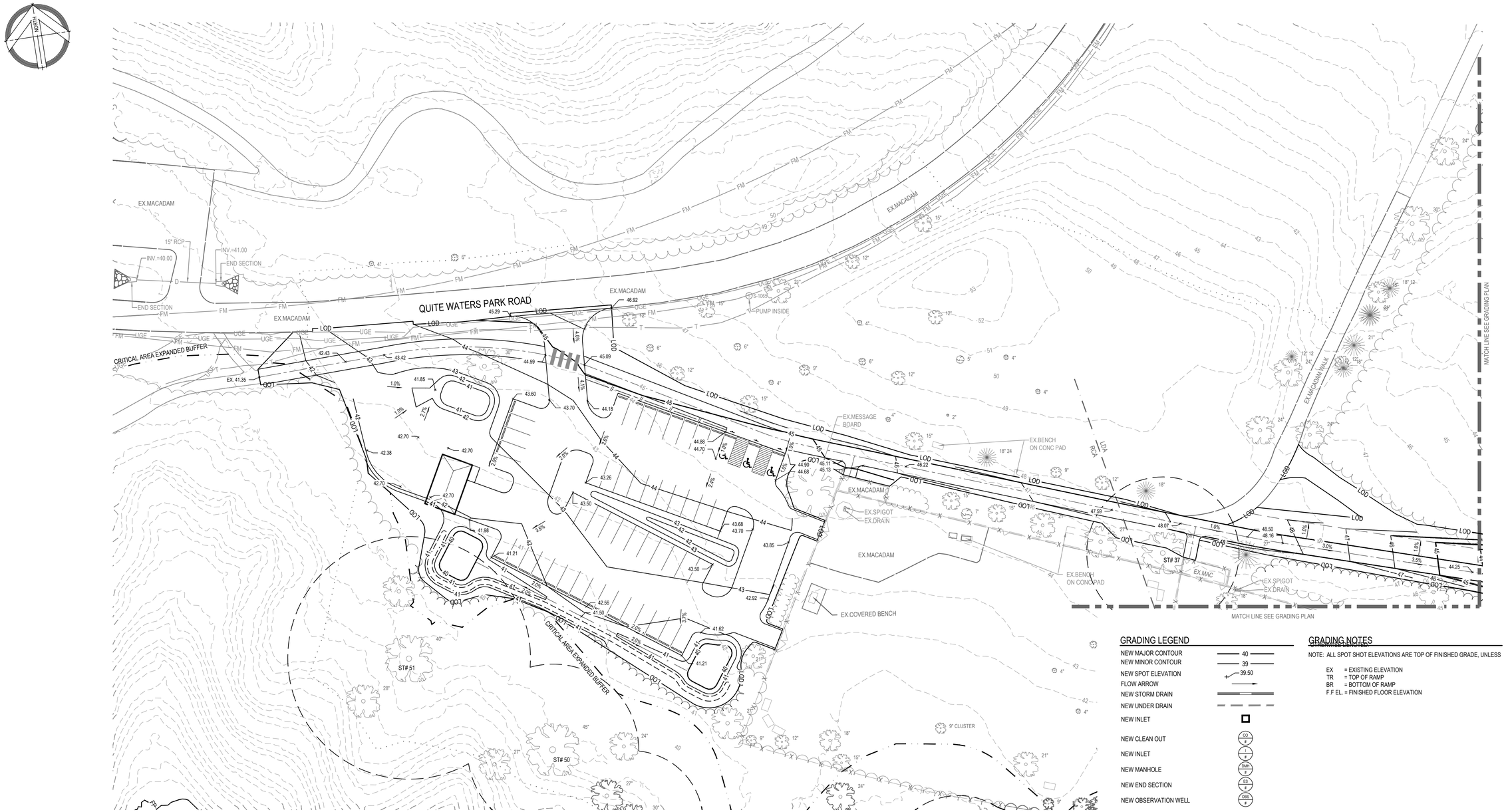
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|---|---|---|---|
| APPROVED DATE — CHIEF ENGINEER | APPROVED DATE — PROJECT MANAGER | SCALE: 1" = 30' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | |
| APPROVED DATE — ASSISTANT CHIEF ENGINEER | APPROVED DATE — CHIEF, RIGHT-OF-WAY | SHEET NO. OF | GRADING PLAN |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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## GRADING LEGEND

| | |
|---|---|
| NEW MAJOR CONTOUR | 40 |
| NEW MINOR CONTOUR | 39 |
| NEW SPOT ELEVATION | 39.50 |
| FLOW ARROW | |
| NEW STORM DRAIN | |
| NEW UNDER DRAIN | |
| NEW INLET | |
| NEW CLEAN OUT | CO # |
| NEW INLET | I # |
| NEW MANHOLE | DMH # |
| NEW END SECTION | ES # |
| NEW OBSERVATION WELL | OBS # |

## GRADING NOTES

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1"=30'-0" (30 0 15 30 60)


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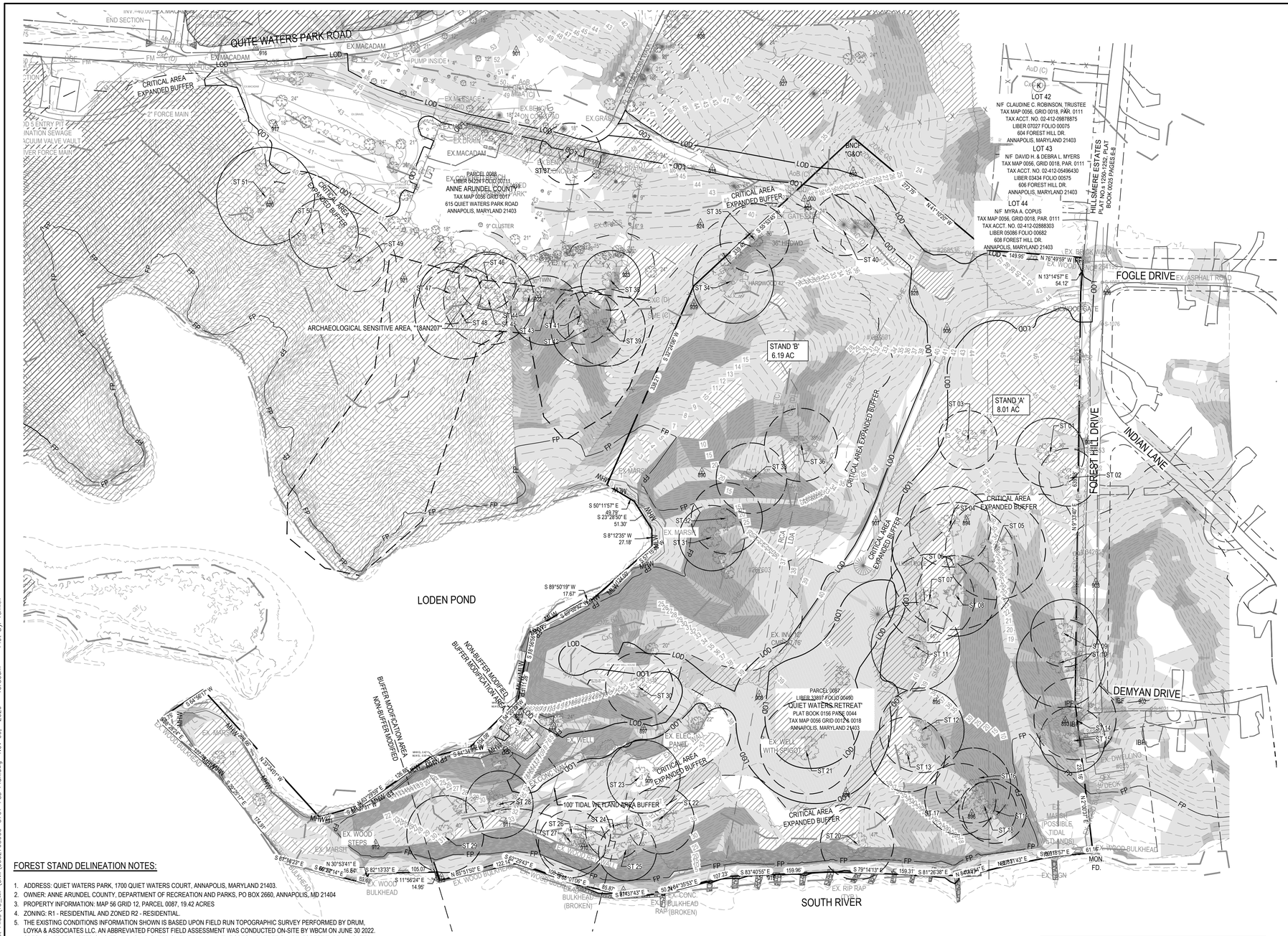
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| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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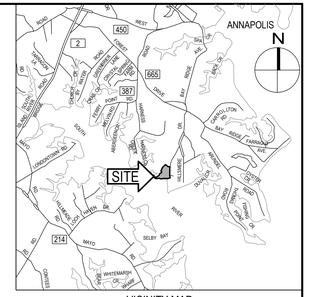

QUITE WATERS PARK ROAD
CRITICAL AREA EXPANDED BUFFER
ARCHAEOLOGICAL SENSITIVE AREA "18AN207"
PARCEL 0088
LIBER 04224 FOLIO 00711
ANNE ARUNDEL COUNTY
TAX MAP 0056 GRID 0017
615 QUIET WATERS PARK ROAD
ANNAPOLIS, MARYLAND 21403
LOT 42
N/F CLAUDINE C. ROBINSON, TRUSTEE
TAX MAP 0056, GRID 0018, PAR. 0111
TAX ACCT. NO. 02-412-09878875
LIBER 07027 FOLIO 00075
604 FOREST HILL DR.
ANNAPOLIS, MARYLAND 21403
LOT 43
N/F DAVID H. & DEBRA L. MYERS
TAX MAP 0056, GRID 0018, PAR. 0111
TAX ACCT. NO. 02-412-05496430
LIBER 03434 FOLIO 00575
606 FOREST HILL DR.
ANNAPOLIS, MARYLAND 21403
LOT 44
N/F MYRA A. COPUS
TAX MAP 0056, GRID 0018, PAR. 0111
TAX ACCT. NO. 02-412-02888303
LIBER 05086 FOLIO 00682
608 FOREST HILL DR.
ANNAPOLIS, MARYLAND 21403
HILL SMERE ESTATES
PLAT NO. 7225, PLAT
BOOK 0025 PAGE 0049
FOGLE DRIVE
FOREST HILL DRIVE
INDIAN LANE
DEMYAN DRIVE
STAND 'A'
8.01 AC
STAND 'B'
6.19 AC
LODEN POND
SOUTH RIVER
PARCEL 0087
LIBER 3897 FOLIO 00490
QUIET WATERS RETREAT
PLAT BOOK 0156 PAGE 0044
TAX MAP 0056 GRID 0017 & 0018
ANNAPOLIS, MARYLAND 21403
100' TIDAL WETLAND AREA BUFFER
NON-BUFFER MODIFIED
BUFFER MODIFICATION AREA
EX. MARSH
EX. WOOD BULKHEAD
EX. RIP RAP
EX. CONC. BULKHEAD RAP (BROKEN)
EX. BULKHEAD (BROKEN)
EX. WOOD STEPS
EX. DECK
EX. GAZEBO
EX. SHED
EX. WELL
EX. ELECTRIC PANEL
EX. OWELLING #615
EX. WOOD BULKHEAD
MON. FD.
EX. ASPHALT ROAD
EX. BROOK WATER
EX. WOOD
EX. GRASS
EX. MACADAM
EX. GATE
EX. BENCH
EX. DRAINAGE
EX. GAZEBO
EX. SHED
EX. WELL
EX. ELECTRIC PANEL
EX. OWELLING #615
EX. DECK
EX. WOOD BULKHEAD
EX. MARSH (POSSIBLE TIDAL WETLANDS)

## HYDROLOGIC SOIL GROUP - ANNE ARUNDEL COUNTY, MARYLAND

| MAP UNIT SYMBOL | MAP UNIT NAME | HSG RATING | k RATING | HYDRIC RATING |
|---|---|---|---|---|
| AsB | ANNAPOLIS FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES | C | .24 | SOMEWHAT POORLY DRAINED |
| CxC | CUMBERSTONE-MATTAPEX COMPLEX, 5 TO 10 PERCENT SLOPES | D | .37 | VERY POORLY DRAINED |
| MZA | MISPILLION AND TRANSQUAKING SOILS, 0 TO 1 PERCENT SLOPES, TIDAL FLOODING | A/D | - | WELL DRAINED |
| SME | SASSAFRAS AND CROOM SOILS, 15 TO 25 PERCENT SLOPES | C | .15 | |

GEOLOGY: LOWLAND DEPOSITS

GRAVEL, SAND, SILT, AND CLAY. MEDIUM-TO COARSE-GRAINED SAND AND GRAVEL; COBBLES AND BOULDERS NEAR BASE; COMMONLY CONTAINS REWORKED EOCENE GLAUCONITE; VARICOLORED SILTS AND CLAYS; BROWN TO DARK GRAY LIGNITIC SILTY CLAY; CONTAINS ESTUARINE TO MARINE FAUNA IN SOME AREAS (INCLUDES IN PART PAMLICO, TALBOT, WICOMICO AND SUNDERLAND FORMATIONS) THICKNESS 0-150 FEET.




VICINITY MAP
SCALE: 1" = 2,000'

## LEGEND

| DESCRIPTION | |
|---|---|
| BUILDING | EX. BLDG |
| BITUMINOUS PAVING | |
| GRAVEL PAVING | EX. GRAVEL |
| MACADAM WALK | EX. MAC. WALK |
| DIRT PATH | EX. DIRT PATH |
| DECIDUOUS / EVERGREEN TREES | 12" 6" 3" |
| TREELINE | |
| UTILITY POLE | |
| SIGN (ONE-POST) | |
| STREET LIGHT | |
| TRAVERSE STATION | 900 |
| SPOT ELEVATION | × 35.5 |
| MAJOR CONTOUR | 35 |
| MINOR CONTOUR | 36 |
| WALL | |
| CONC. CURB | |
| SURVEY LIMITS | |
| SPLIT RAIL FENCE | |
| SOIL BORING | TH# |
| MEAN HIGH WATER | |
| CAC EXPANDED BUFFER | |
| LEASE BOUNDARY LIMIT AREA | |
| DENOTES STEEP SLOPES: 15-25% | |
| DENOTES STEEP SLOPES: 25% OR > | |
| FOREST REMOVAL INSIDE BUFFER | |
| FOREST REMOVAL OUTSIDE BUFFER | |
| SPECIMEN TREE REMOVAL | X >30" |
| SPECIMEN TREE WITH CRITICAL ROOT ZONE, >30" DBH | ST # |

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

1"=80'-0" (80 0 40 80 160)


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| REVISIONS | | | |
|---|---|---|---|
| NO. | DESCRIPTION | BY | DATE |
| | | | |

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

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|---|---|---|---|
| APPROVED DATE — CHIEF ENGINEER | APPROVED DATE — PROJECT MANAGER | SCALE: 1" = 80' | QUIET WATERS RETREAT |
| APPROVED DATE — ASSISTANT CHIEF ENGINEER | APPROVED DATE — CHIEF, RIGHT-OF-WAY | DRAWN BY: R.S.S. | |
| | | CHECKED BY: R.W.H. | CRITICAL AREA PLAN |
| | | SHEET NO. OF | |
| | | PROJECT NO.: P584600 | |
| | | CONTRACT NO.: P584607 | |

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QUITE WATERS PARK ROAD

FOGLE DRIVE

FOREST HILL DRIVE

INDIAN LANE

DEMYAN DRIVE

LODEN POND

SOUTH RIVER

ARCHAEOLOGICAL SENSITIVE AREA, "18AN207"

100' TIDAL WETLAND AREA BUFFER

PARCEL 0088
LIBER 04224 FOLIO 00711
ANNE ARUNDEL COUNTY
TAX MAP 0056 GRID 0017
615 QUIET WATERS PARK ROAD
ANNAPOLIS, MARYLAND 21403

PARCEL 0087
LIBER 33897 FOLIO 00490
"QUIET WATERS RETREAT"
PLAT BOOK 0156 PAGE 0044
TAX MAP 0056 GRID 0012 & 0015
ANNAPOLIS, MARYLAND 21403

LOT 42
N/F CLAUDINE C. ROBINSON, TRUSTEE
TAX MAP 0056, GRID 0018, PAR. 0111
TAX ACCT. NO. 02-412-09878875
LIBER 07027 FOLIO 00075
604 FOREST HILL DR.
ANNAPOLIS, MARYLAND 21403

LOT 43
N/F DAVID H. & DEBRA L. MYERS
TAX MAP 0056, GRID 0018, PAR. 0111
TAX ACCT. NO. 02-412-05496430
LIBER 03434 FOLIO 00575
606 FOREST HILL DR.
ANNAPOLIS, MARYLAND 21403

LOT 44
N/F MYRA A. COPUS
TAX MAP 0056, GRID 0018, PAR. 0111
TAX ACCT. NO. 02-412-02888303
LIBER 05086 FOLIO 00682
608 FOREST HILL DR.
ANNAPOLIS, MARYLAND 21403

HILLSMERE ESTATES
PLAT NO. 2 PLAT
BOOK 0025 PAGES 43

VICINITY MAP
SCALE: 1" = 2,000'

LEGEND:

| | | |
|---|---|---|
| 'C' SOIL: 25,983 SQ.FT.<br>'D' SOIL: 32,034 SQ.FT. | | NEW IMPERVIOUS AREA |
| 'C' SOIL: 43,240 SQ.FT.<br>'D' SOIL: 72,691 SQ.FT. | | PERVIOUS TO REMAIN |
| 173,948 SQ.FT. | LOD | LIMITS OF DISTURBANCE |

CAUTION:
IF THIS DRAWING IS A REDUCTION,
USE THE GRAPHIC SCALES.

1"=80'-0" (80 0 40 80 160)


300 East Joppa Road Suite 200
Baltimore, MD 21286
410.512.4500 www.gftinc.com

GFT


I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License #27734 Expiration Date: 07/12/2028

REVISIONS

| NO. | DESCRIPTION | BY | DATE |
|---|---|---|---|
| | | | |

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

| | | | |
|---|---|---|---|
| APPROVED DATE<br>CHIEF ENGINEER | APPROVED DATE<br>PROJECT MANAGER | SCALE: 1" = 80' | QUIET WATERS RETREAT |
| | | DRAWN BY: R.S.S. | |
| APPROVED DATE<br>ASSISTANT CHIEF ENGINEER | APPROVED DATE<br>CHIEF, RIGHT-OF-WAY | CHECKED BY: R.W.H.<br>SHEET NO. OF<br>PROJECT NO.: P584600<br>CONTRACT NO.: P584607 | WATER QUALITY MAP |

Plot By: rsmith
C:\Users\rsmith\DC\ACCDocs\GFT\00027650O0--Quiet Waters Retreat\Project Files\10_WP\Civil\00027650O0--Water Quality Map.dwg Nov 09, 2026 - 10:32am