

HOLLYWOOD BEACH GOLF CLUB

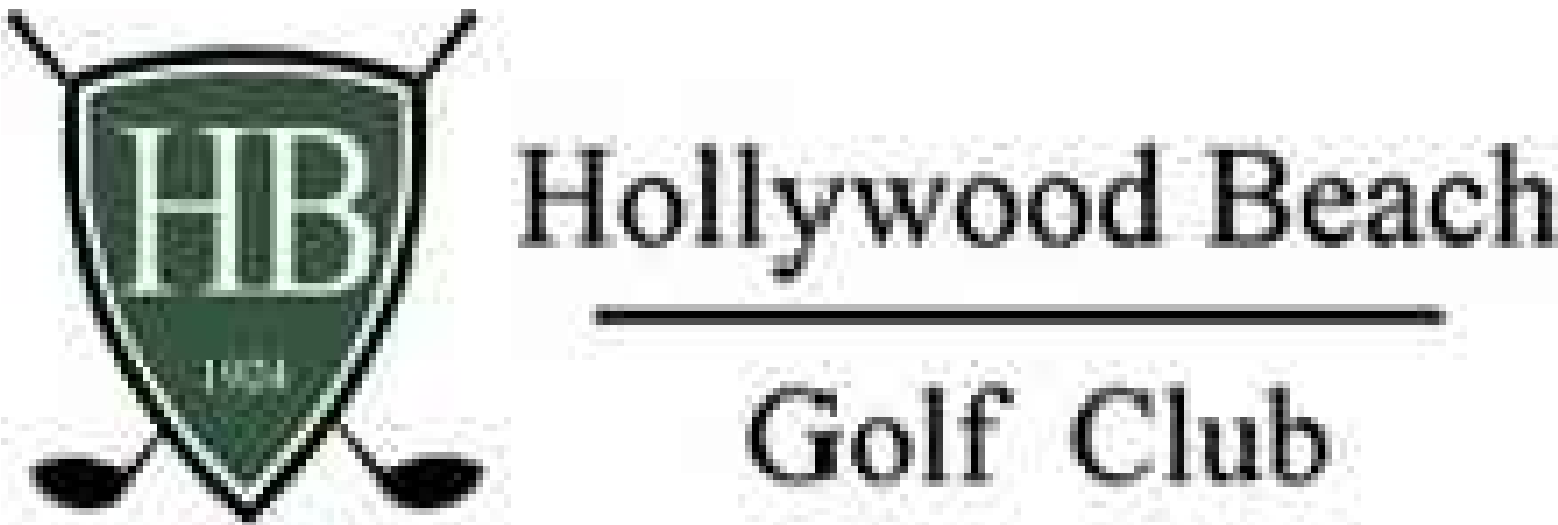
HOLLYWOOD, FLORIDA

DESIGN DEVELOPMENT

JUNE 3, 2022

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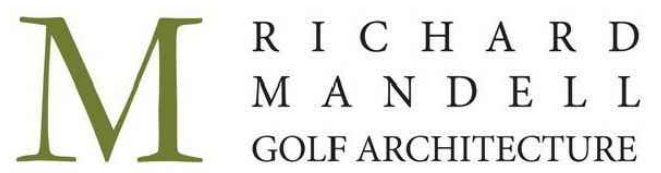


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FOOD & BEVERAGE:



Camacho
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Norcross, Georgia 30071
T: (770) 582-1144

**DESIGN
DEVELOPMENT
INDEX**

06.03.2022

PROJECT NAME:

HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE

PROJECT ADDRESS:

1600 Johnson Street
Hollywood, FL 33020

PROJECT NO.:

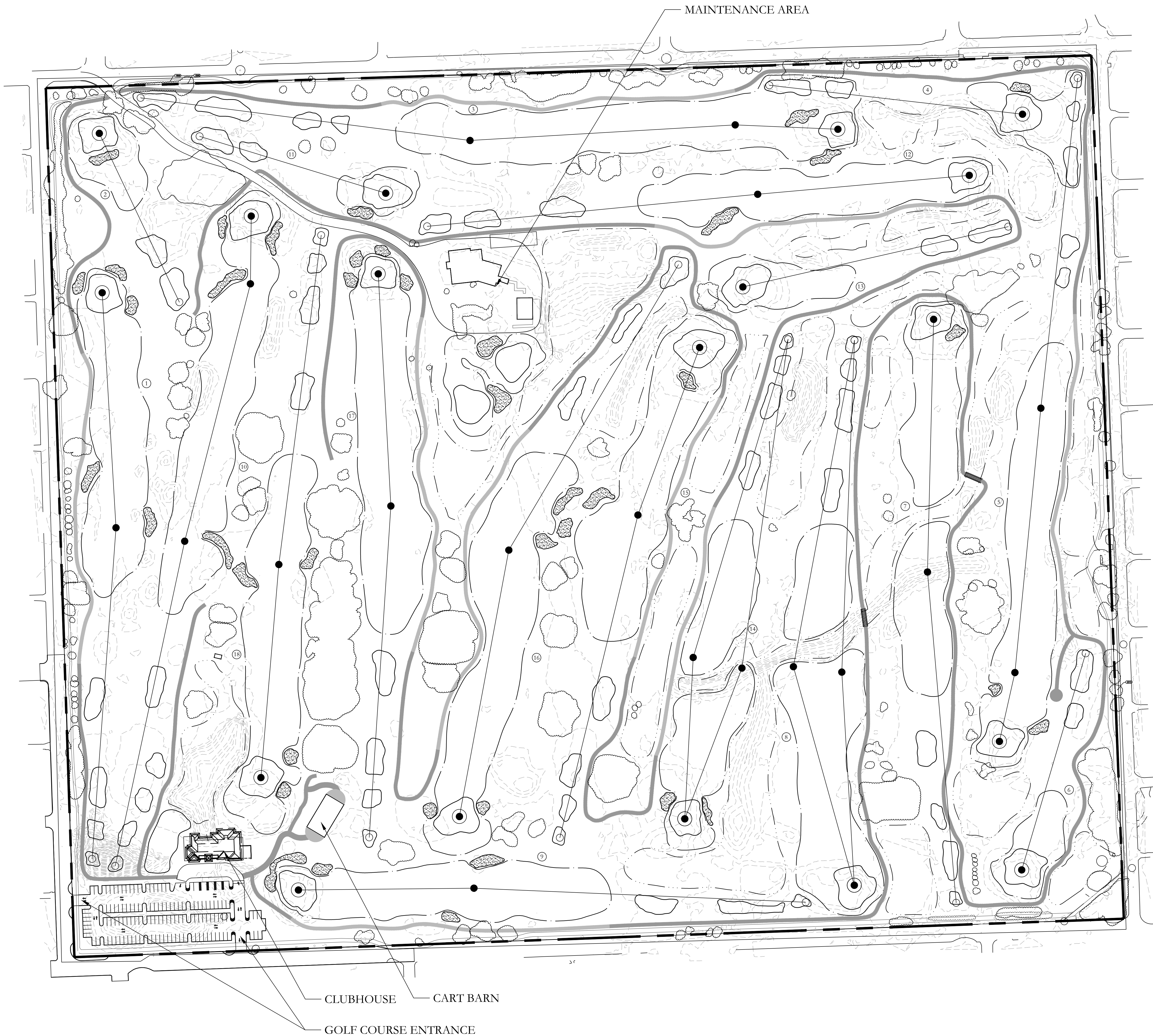
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
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G1.00

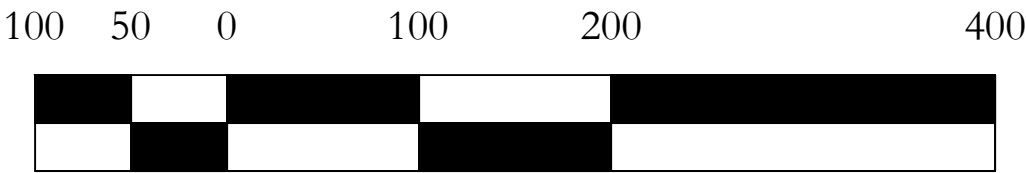


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LEGEND

- GREEN
- SAND BUNKER
- TEE
- FAIRWAY
- WATER
- TREE TO REMAIN
- BRIDGE



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**DESIGN
DEVELOPMENT
MASTER
PLAN**

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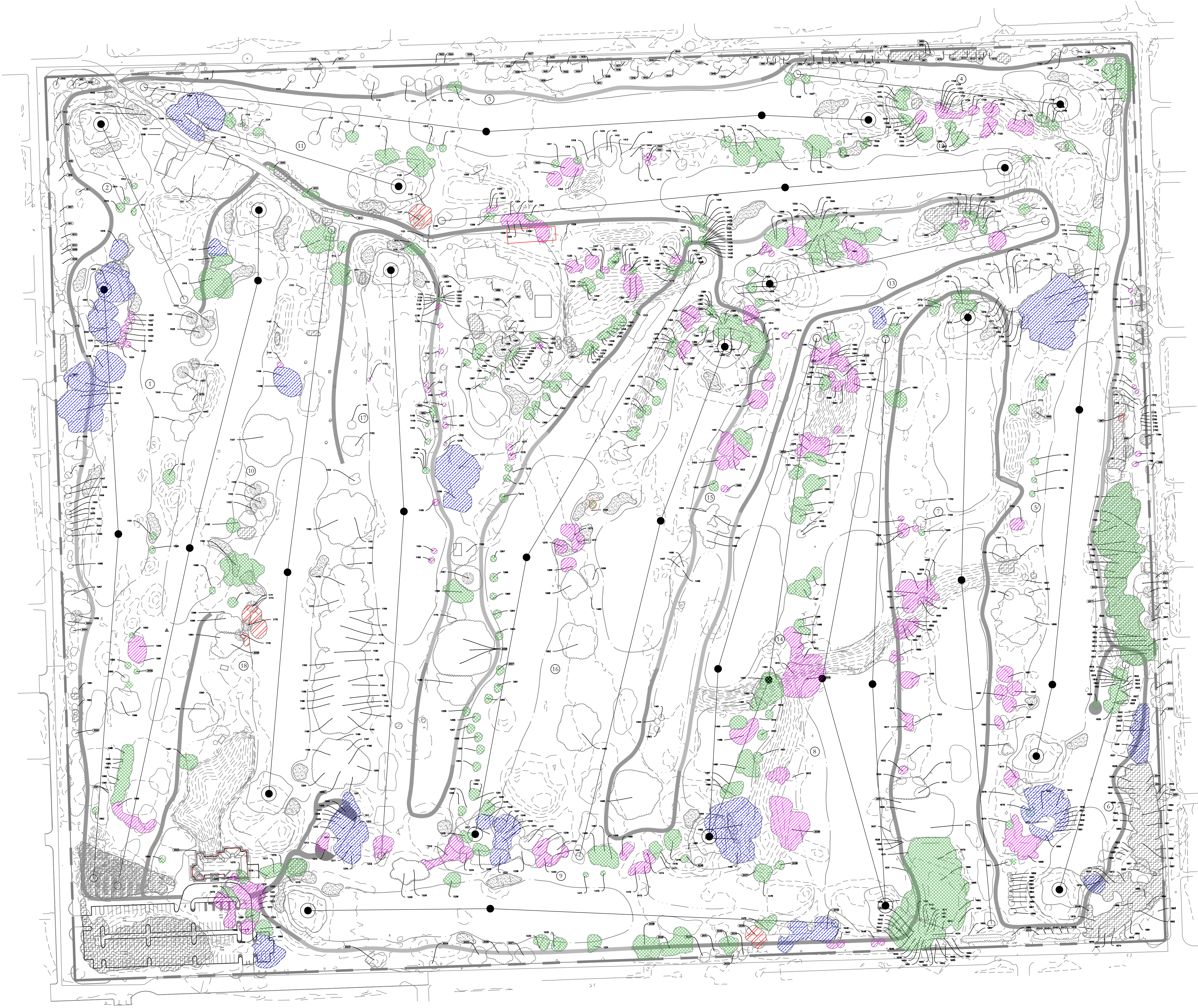
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SHEET NAME

**DESIGN DEVELOPMENT
MASTER PLAN**

SHEET NO.

G1.01



NOTES:

- A. GENERAL
1. CONTRACTOR SHALL ADHERE TO ALL TREE PROTECTION REQUIREMENTS LISTED IN THESE SPECIFICATIONS AND/OR THOSE LISTED IN THE CITY OR COUNTY ZONING CODE, TREE PROTECTION (LATEST EDITIONS, WHICHEVER IS MORE STRINGENT SHALL APPLY.
 2. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION PROCEDURES WITH THE PROJECT ARBORIST PRIOR TO BEGINNING WORK.
 3. ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATION MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETEST SOIL DISTURBANCE.
 4. NO SIGNS, BUILDING PERMITS, WIRES OR OTHER ATTACHMENTS OF ANY KIND SHALL BE ATTACHED TO ANY TREE OR PALM. GUY WIRES DESIGNED TO PROTECT TREES ARE EXCLUDED FROM THIS PROHIBITION.
 5. EXISTING TREE LOCATIONS AND SIZES ARE ESTIMATES AND ARE BASED ON SURVEY PROVIDED BY THE CITY-SELECTED SURVEYOR.
 6. CONTRACTOR SHALL COORDINATE TREE REMOVAL WITH PERMITTING AGENCY AND PROJECT ARBORIST PRIOR TO CONSTRUCTION. NO PERSON MAY REMOVE OR CAUSE TO BE REMOVED ANY PROTECTED TREE OR PALM WITHOUT FIRST HAVING PROCURED A PERMIT AS PROVIDED BY THE APPROPRIATE PERMITTING AGENCY.
 7. FOR PROTECTED TREES OR PALMS BEING REMOVED, THE CONTRACTOR MUST GIVE THE PERMITTING AGENCY REASONABLE OPPORTUNITY TO RELOCATE TREES DESIGNATED FOR REMOVAL TO ANOTHER SITE AT THE PERMITTING AGENCY'S EXPENSE.
 8. CONTRACTOR IS RESPONSIBLE FOR POSSESSING ALL REQUIRED APPLICATOR LICENSES, BUSINESS REGISTRATIONS AND INSURANCE, PESTICIDE LABELS AND MATERIAL DATA SAFETY SHEETS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR HAVING ALL SPILL CONTAINMENT MATERIALS AND REQUIRED PERSONAL PROTECTIVE EQUIPMENT FOR PESTICIDE APPLICATIONS AND ACCIDENTAL SPILLS ON SITE. AT ALL TIMES, THE CITY RESERVES THE RIGHT TO INSPECT EACH APPLICATOR AND HAVE THESE MATERIALS PRESENTED BEFORE AND DURING ANY PESTICIDE TREATMENT.
 9. TREE WELLS OF AN APPROVED DESIGN SHALL BE CONSTRUCTED AROUND ALL TREES TO BE PRESERVED WHEN MORE THAN FOUR INCHES OF FILL IS TO BE DEPOSITED WITHIN THE DRIP LINE AREA OF THESE TREES COORDINATE WITH PROJECT ARBORIST.
 10. THE SEQUENCE OF PRESERVATION MEASURES IS IMPERATIVE TO THE HEALTH AND SURVIVABILITY OF THE SUBJECT TREES AND SHALL BE COORDINATED WITH THE CITY-SELECTED PROJECT ARBORIST. THE DESIRED SEQUENCE IS OUTLINED BELOW.
 - a. TREE PROTECTION FENCING.
 - b. ROOT PRUNING AND ROOT BARRIERS.
 - c. CLEARING.
 - d. TREE CANOPY PRUNING.
 - e. IRRIGATION.
- B. TREE PROTECTION FENCING
1. PRIOR TO THE ERECTION OF ANY TREE PROTECTION FENCING, ALL FOREIGN SURFACE MATERIAL, TRASH OR DEBRIS SHALL BE REMOVED FROM THE AREA TO BE ENCLOSED BY THE FENCING. AFTER ERECTION OF THE FENCING NO SUCH MATERIAL OR LITTER SHALL BE PERMITTED TO REMAIN WITHIN THE PROTECTED AREA.
 2. TREE PROTECTION FENCING SHALL BE PLACED AROUND ALL PROTECTED TREES TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL SITE CLEARING, LAND ALTERATION, AND CONSTRUCTION ACTIVITIES ARE COMPLETE.
 3. NATIVE GROUND COVER AND UNDERSTORY VEGETATION, EXISTING WITHIN THE PROTECTED AREA SHALL REMAIN THROUGHOUT CONSTRUCTION. OTHER DESIGNATED VEGETATION AND INVASIVE PLANT SPECIES SHALL BE REMOVED ONLY BY MANUAL LABOR UTILIZING HAND TOOLS, OR BY OTHER METHODS APPROVED BY THE PROJECT ARBORIST.
 4. TREE PROTECTION FENCING TYPES AND LOCATIONS SHALL BE ERECTED AS SHOWN ON THE TREE MITIGATION PLANS AND DETAILS, OR AS REQUESTED BY LOCAL AGENCY.
 5. FINAL LOCATIONS SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ARBORIST.
 6. NO MATERIALS, EQUIPMENT, SPILL, WASTE OR WASHWATER MAY BE DEPOSITED, STORED, OR FORCED WITHIN 20 FEET OF ANY TREE PROTECTION ZONE.
 7. EROSION CONTROL DEVICES SUCH AS SILT FENCING, DEBRIS BASINS, AND WATER DIVERSION STRUCTURES SHALL BE INSTALLED TO PREVENT SILTATION AND/OR EROSION WITHIN THE TREE PROTECTION ZONE.
 8. CONSTRUCTION ACTIVITY SHALL NOT DESTROY OR IRREVERSIBLY HARM THE ROOT SYSTEM OF PROTECTED TREES. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.
 9. DO NOT INSTALL CONDUIT, DRAIN OR IRRIGATION LINES, OR ANY UTILITY LINE WITHIN THE TREE PROTECTION ZONE WITHOUT THE APPROVAL OF THE PROJECT ARBORIST. IF LINES MUST TRAVERSE THE PROTECTION AREA, THEY SHALL BE TUNNELED OR BORED UNDER THE TREE.
 10. CONTRACTORS ACCESS TO FENCED TREE PROTECTION AREAS WILL BE PERMITTED ONLY WITH APPROVAL OF THE PROJECT ARBORIST.
 11. EXCAVATION OR GRADING WITHIN THE PROTECTED AREA SHALL NOT BE ALLOWED.
 12. STRUCTURES AND UNDERGROUND FEATURES TO BE REMOVED WITHIN THE TREE PROTECTION ZONES SHALL BE COORDINATED WITH THE PROJECT ARBORIST.
 13. IF ANY DAMAGE TO TREE PROTECTION FENCING SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMMEDIATE REPAIRS.
 14. NO TEMPORARY TRAIL OR ACCESS ROADS MUST PASS OVER THE PROTECTED AREA OF TREES TO BE PRESERVED.
 15. CONTRACTOR SHALL COORDINATE WITH THE PROJECT ARBORIST PRIOR TO REMOVAL OF ALL TREE PROTECTION FENCING.
- C. ROOT PRUNING/TRENCHING
1. TRUNCHING LOCATIONS SHALL BE APPROVED IN THE FIELD BY THE PROJECT ARBORIST.
 2. TRUNCHING EQUIPMENT THAT WILL TURN AT HIGH RPMs IS PREFERRED, AND SHALL BE APPROVED BY THE PROJECT ARBORIST. APPROVED EQUIPMENT WILL BE USED TO PERFORM ALL ROOT PRUNING OPERATIONS. A MINIMUM DEPTH OF THREE FEET IS REQUIRED.
 3. INSTALL ROOT BARRIER WHERE DESIGNATED. SEE TREE MITIGATION PLAN AND DETAIL SHEETS.
 4. THE TRENCH SHALL BE BACKFILLED WITH PREVIOUSLY EXCAVATED SOIL AND COMPACTED IMMEDIATELY.
 5. WHEN THE TREE ROOT ZONE WILL BE DISTURBED, AFFECTED ROOTS MUST BE SEVERED BY CLEAN PRUNING CUTS AT THE POINT WHERE CONSTRUCTION IMPACTS THE ROOTS.
- D. CLEARING
1. ANY BRUSH CLEARING REQUIRED WITHIN THE TREE PROTECTION ZONE SHALL BE ACCOMPLISHED WITH HAND-OPERATED EQUIPMENT ONLY.
 2. CONTRACTOR SHALL CLEAR ALL TREE PROTECTION AREAS OF VINES, SHRUBS, GROUND COVERS, WEEDS, SAPPINGS, AND INVASIVES LISTED ON THE LATEST EDITIONS OF THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF INVASIVE SPECIES.
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXCESS DEBRIS ON A DAILY BASIS.
- H. IRRIGATION
1. EVERY EFFORT SHALL BE MADE TO WATER THE PRESERVED TREES. CONTRACTOR SHALL IRRIGATE BY HAND OR BY TEMPORARY IRRIGATION UNTIL ACCEPTANCE BY THE CITY.
 2. IRRIGATE AS REQUIRED BY PROJECT ARBORIST UNTIL PERMANENT IRRIGATION IS INSTALLED AND OPERATING.
 3. UNDERGROUND IRRIGATION SHALL NOT BE INSTALLED WITHIN THE DRIP LINES OF EXISTING TREES UNLESS ROOT PROTECTION MEASURES ARE PROVIDED AND APPROVED BY PROJECT ARBORIST.
- I. TREE REMOVALS
1. PRIOR TO AND DURING LAND CLEARING, INCLUDING GRUBBING, ALL TREES TO BE REMOVED SHALL BE CLEARLY MARKED BY PROJECT ARBORIST WITH RED SURVEY RIBBONS AT 36 INCHES MINIMUM ABOVE GRADE.
 2. CONTRACTOR SHALL REMOVE ALL TREES AS SHOWN ON THE TREE MITIGATION PLANS AFTER THE TREE PROTECTION FENCING IS INSTALLED AND AFTER SECURING THE TREE PERMIT.
 3. ALL TREES SHOWN TO BE REMOVED SHALL BE FELLED WITH A CHAIN SAW AND STUMP REMOVED BY CONTRACTOR.
 4. ALL BURN PITS IF APPLICABLE MUST BE APPROVED BY THE PROJECT ARBORIST AND OWNER.
- J. REPAIR OF DAMAGED TREES
1. IF DAMAGE TO ANY TREE SHOULD OCCUR BY ACCIDENT OR NEGLIGENCE DURING THE CONSTRUCTION PERIOD, THE PROJECT ARBORIST SHALL APPRAISE THE DAMAGE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPAIR BY THE CONTRACTOR.
 2. IF ANY TREE DESIGNATED TO BE SAVED IS REMOVED FROM THE SITE WITHOUT PERMISSION OF THE OWNER'S REPRESENTATIVE, THE PROJECT ARBORIST SHALL APPRAISE THE TREE AND MAKE RECOMMENDATIONS TO THE OWNER FOR REPLACEMENT BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE TREE AND ANY FEES THAT MAY BE ASSESSED TO THE OWNER BY THE GOVERNING AGENCY.

LEGEND

- INVASIVE TREES TO BE REMOVED
- NON-INVASIVE TREES TO BE REMOVED
- LIVE OAK TO BE REMOVED
- BANYAN TO BE REMOVED
- GENERAL VEGETATION TO BE REMOVED



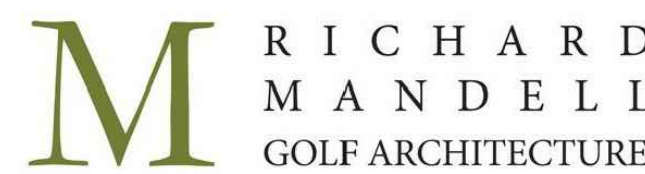
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DESIGN DEVELOPMENT TREE CLEARING PLAN

06.03.2022

PROJECT NAME:
HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE

PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020

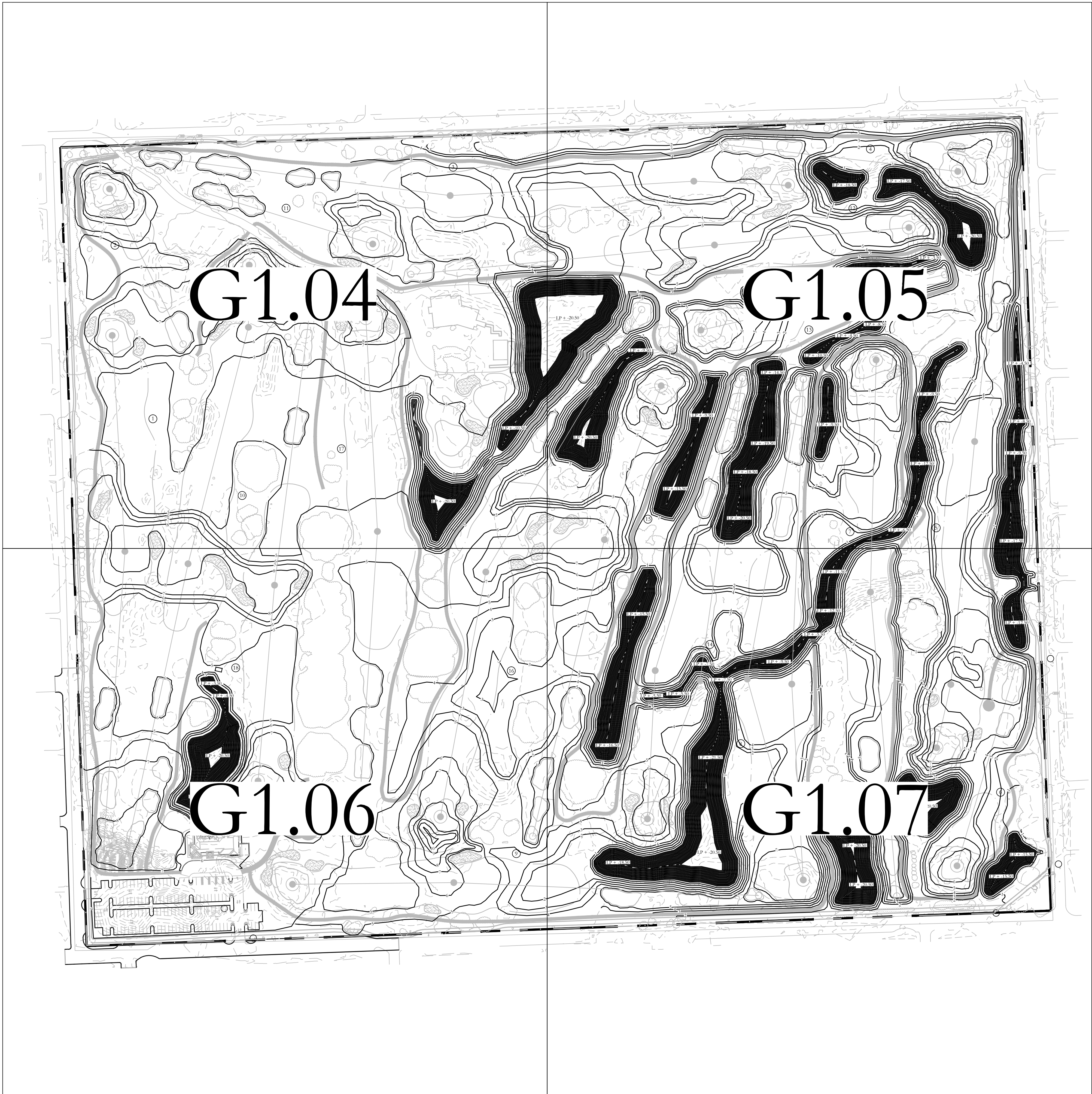
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DESIGN DEVELOPMENT TREE CLEARING PLAN

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G1.02



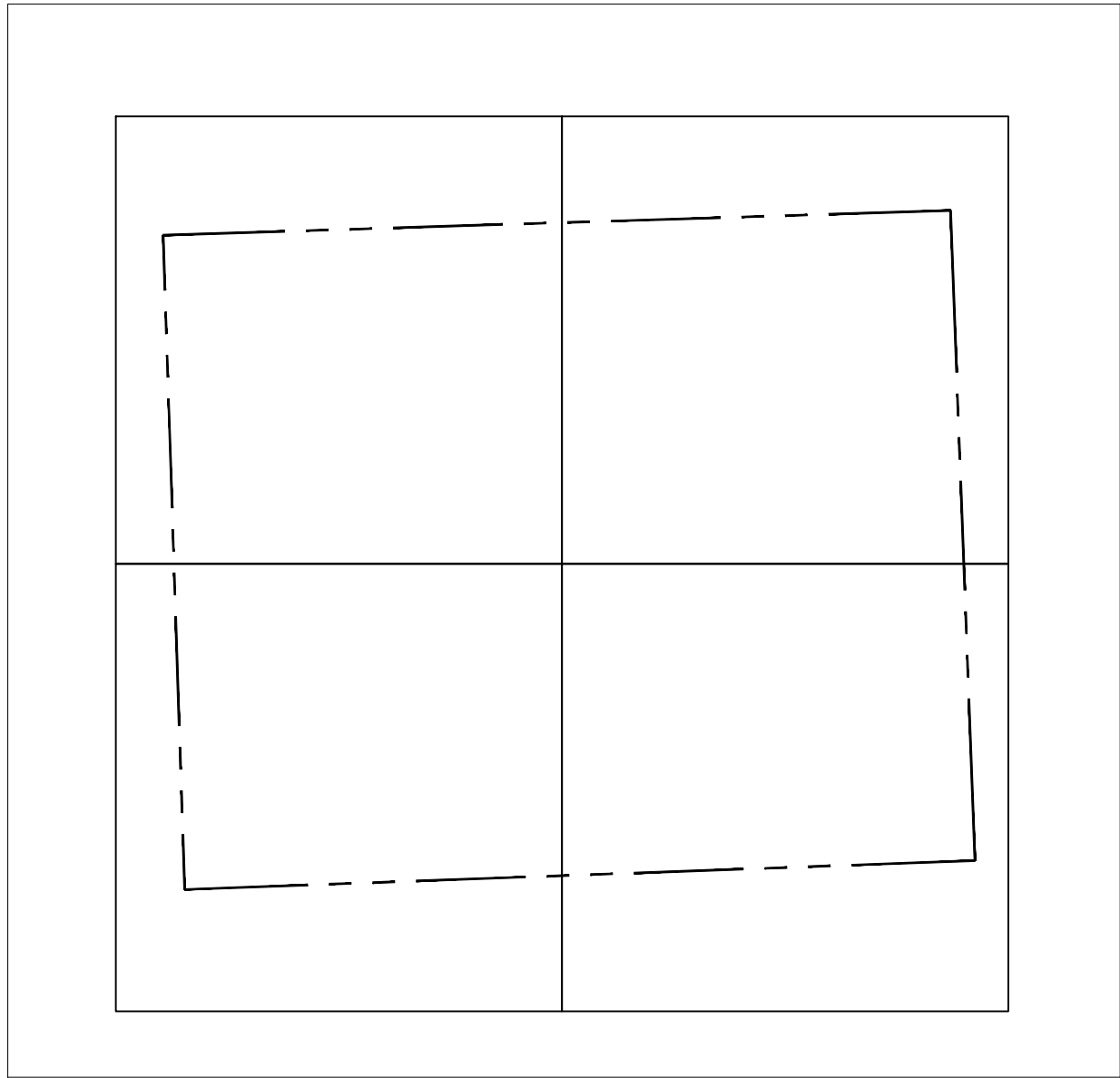
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-  TEE
-  FAIRWAY
-  WATER
-  TREE TO REMAIN
-  BRIDGE

MAP KEY



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**DESIGN
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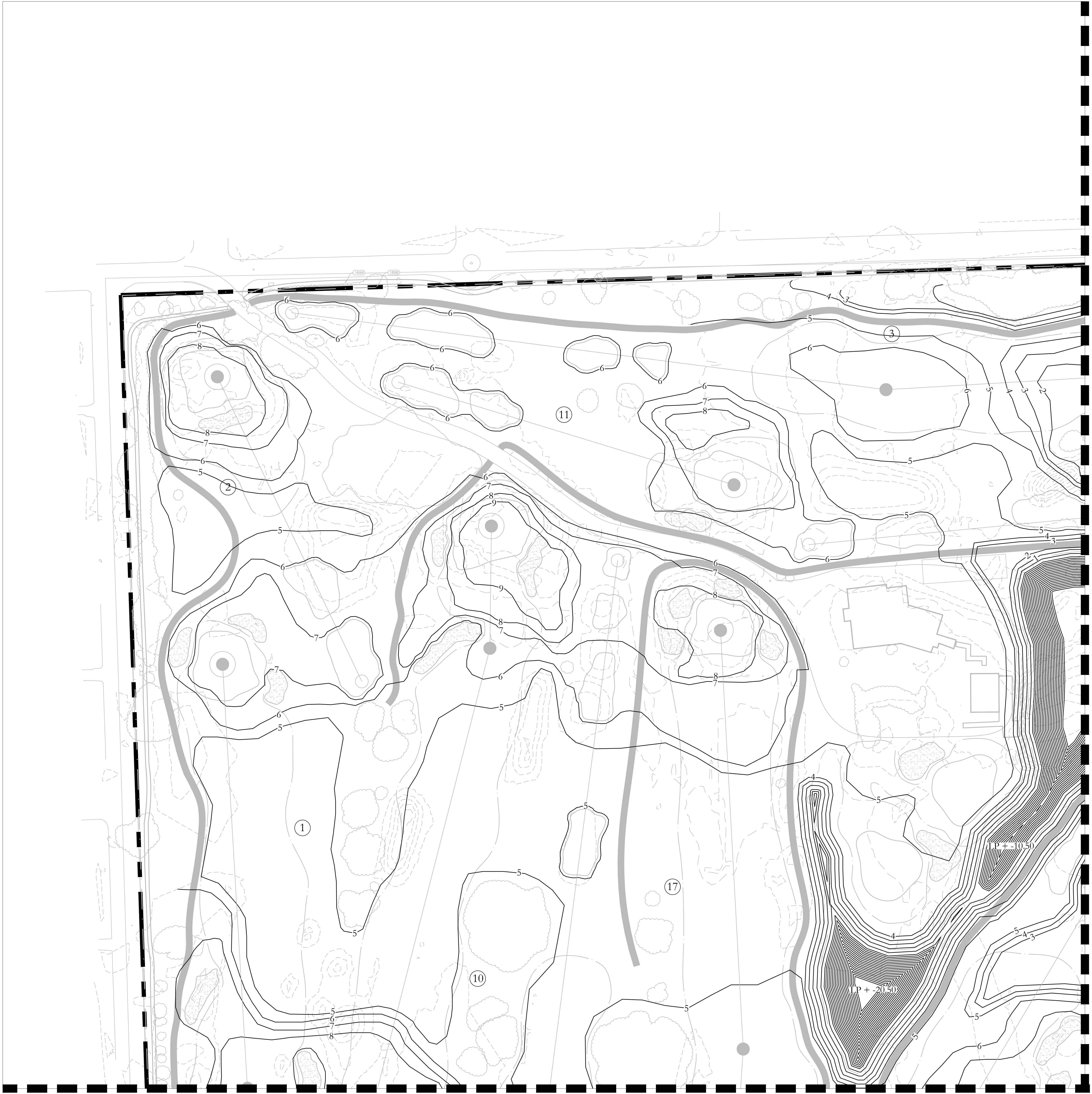
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**DESIGN DEVELOPMENT
OVERALL GRADING
PLAN**

SHEET NO.

G1.03

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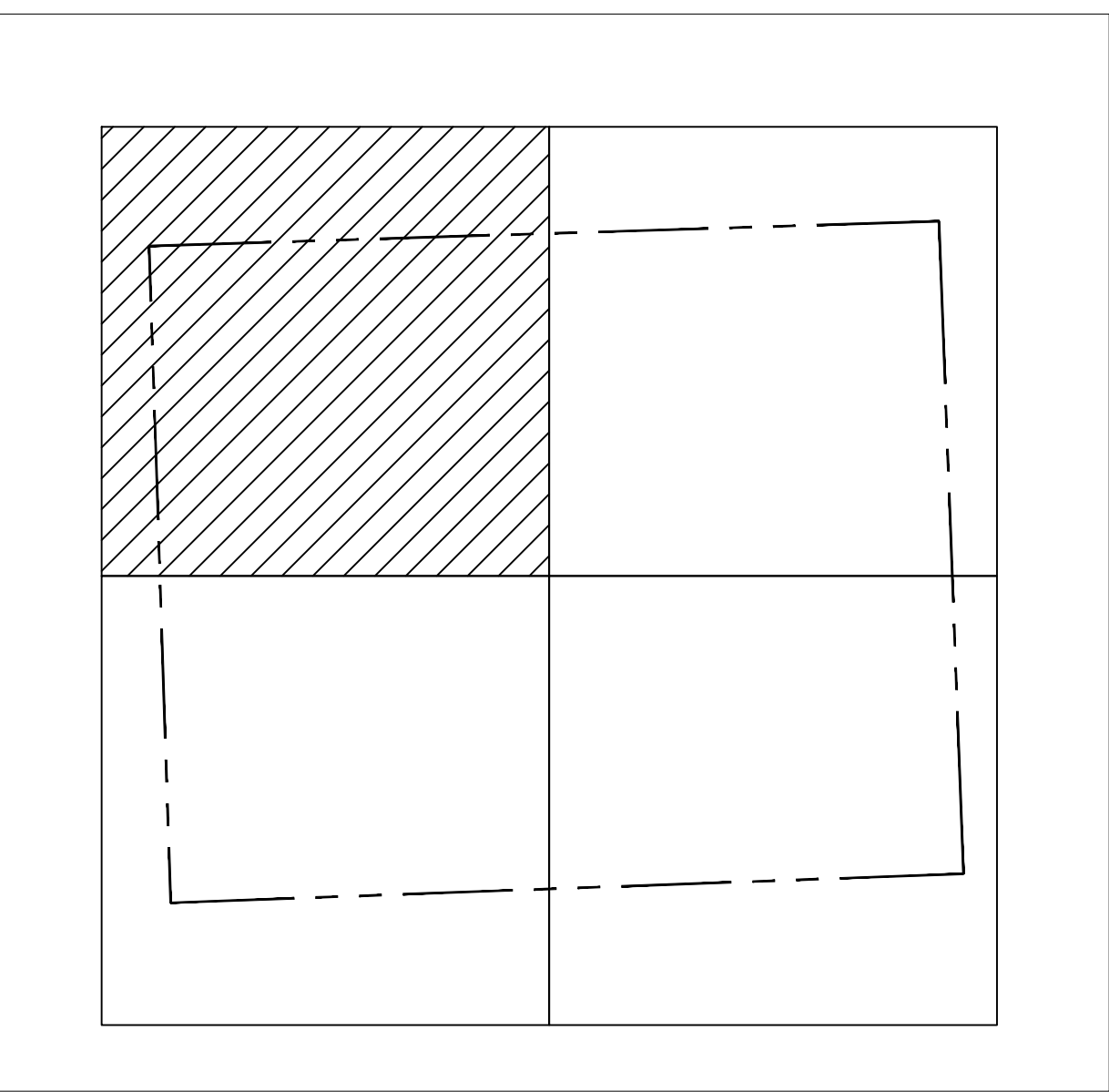
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LEGEND

- GREEN
- SAND BUNKER
- TEE
- FAIRWAY
- WATER
- TREE TO REMAIN
- BRIDGE

MAP KEY



SCALE : 1" = 50' - 0"

CLIENT:



City of Hollywood
Design and Construction Management
PO Box 229045
Hollywood, Florida 33022-9045
T: (954) 921-3410

GOLF COURSE & LANDSCAPE ARCHITECTURE:



Richard Mandell Golf Architecture
2208 Midland Road
Pinehurst, North Carolina 28374
T: (910) 255-3111

ARCHITECTURE & INTERIOR DESIGN:



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Interior Design Landscape Architecture
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CIVIL ENGINEER:



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FOOD & BEVERAGE:



Camacho
3103 Medlock Bridge road
Norcross, Georgia 30071
T: (770) 582-1144

DESIGN DEVELOPMENT GRADING PLAN

06.03.2022

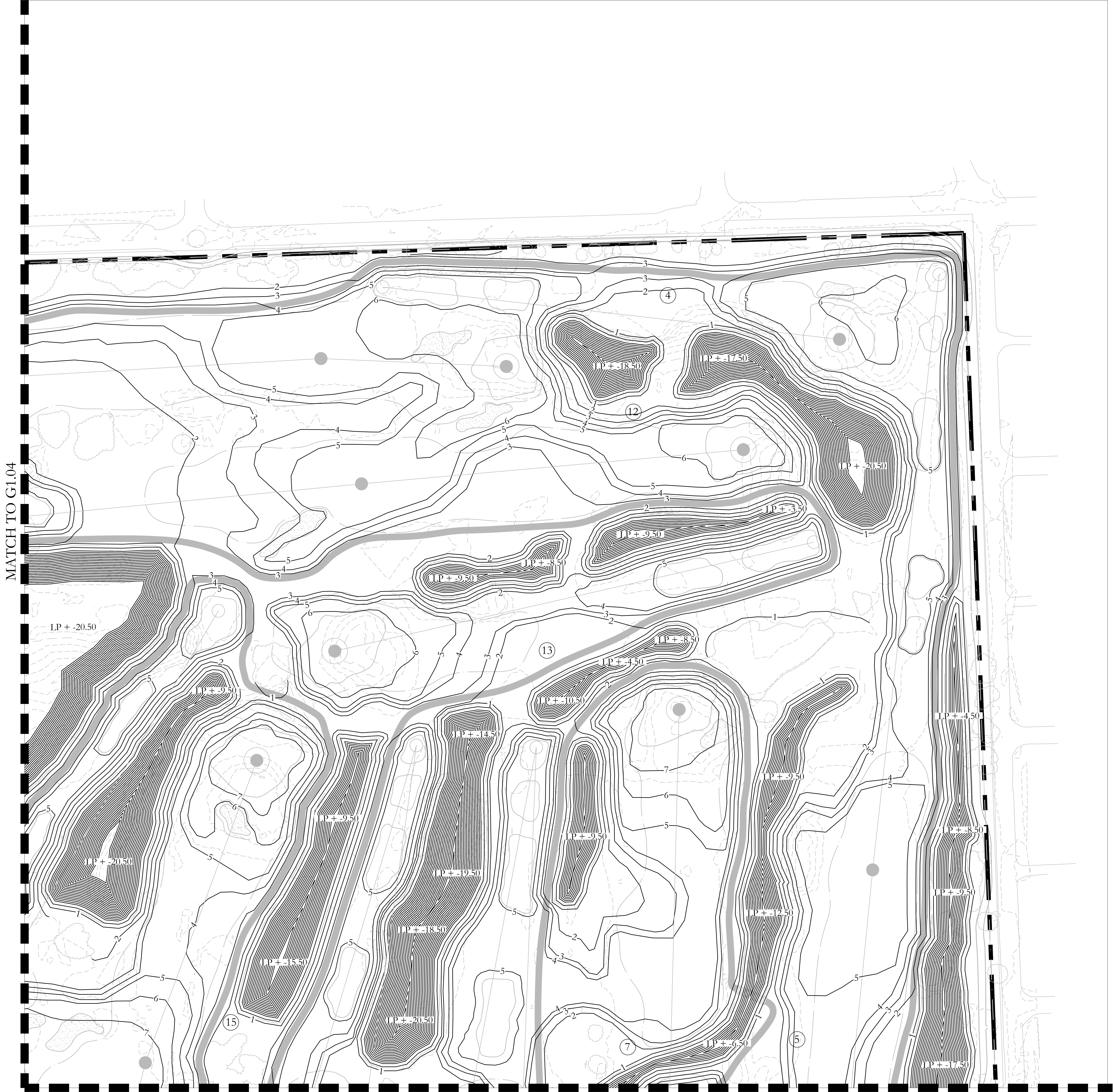
PROJECT NAME:
HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

DESIGN DEVELOPMENT GRADING PLAN

SHEET NO.

G1.04



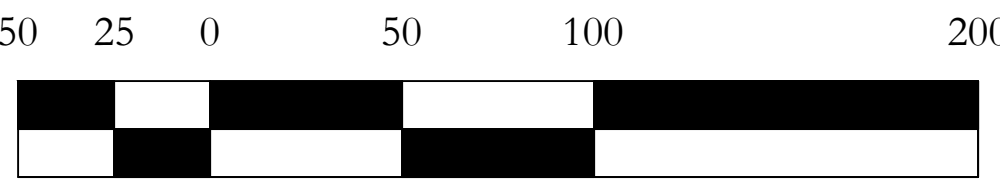
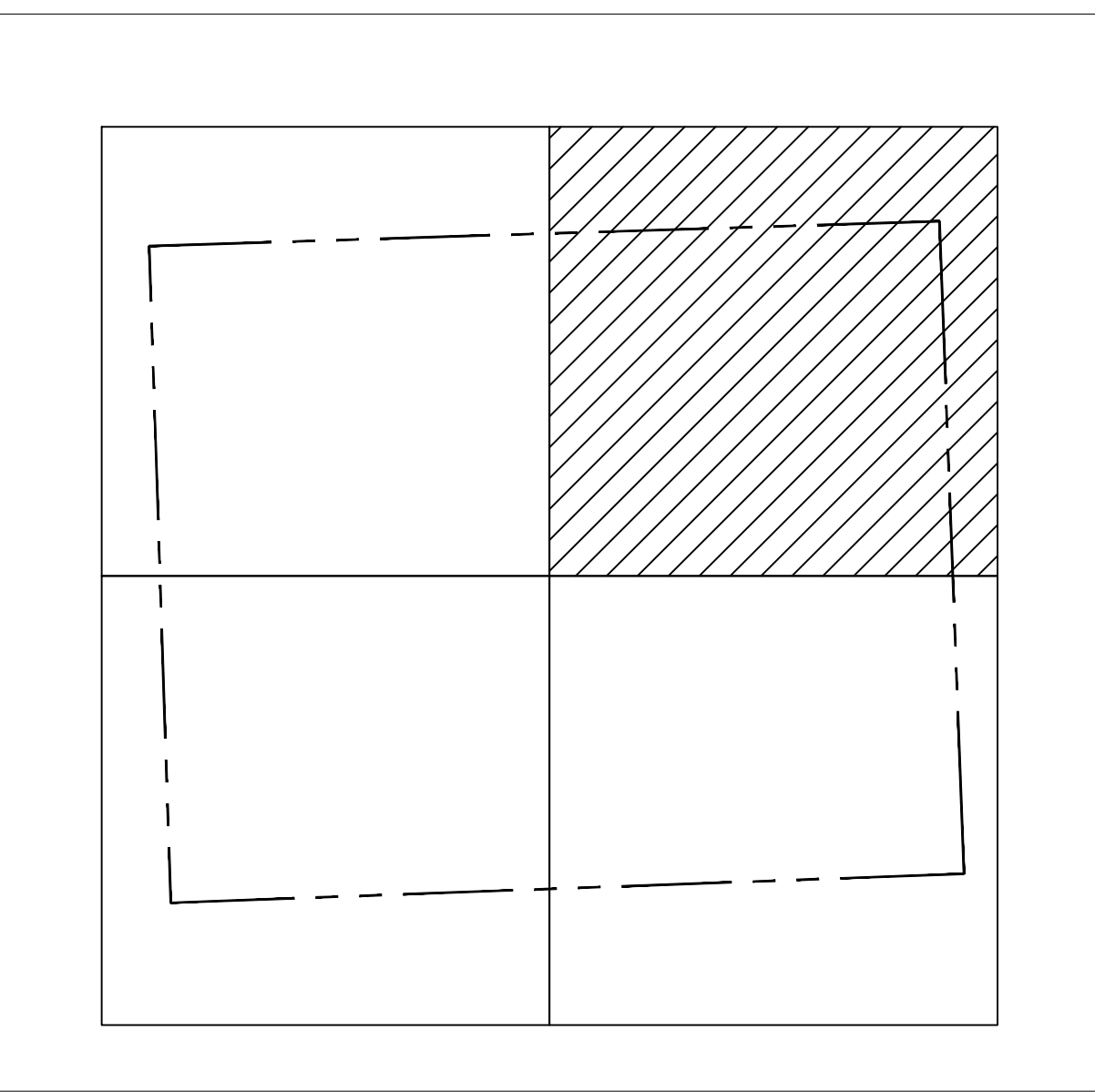
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LEGEND

- GREEN
- SAND BUNKER
- TEE
- FAIRWAY
- WATER
- TREE TO REMAIN
- BRIDGE

MAP KEY



SCALE : 1" = 50' - 0"

CLIENT:



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Design and Construction Management
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GOLF COURSE & LANDSCAPE ARCHITECTURE:

**M R I C H A R D
M A N D E L L**
GOLF ARCHITECTURE

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FOOD & BEVERAGE:



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**DESIGN
DEVELOPMENT
GRADING
PLAN**

06.03.2022

PROJECT NAME:
HOLLYWOOD BEACH GOLF
COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
GRADING PLAN**

SHEET NO.

G1.05



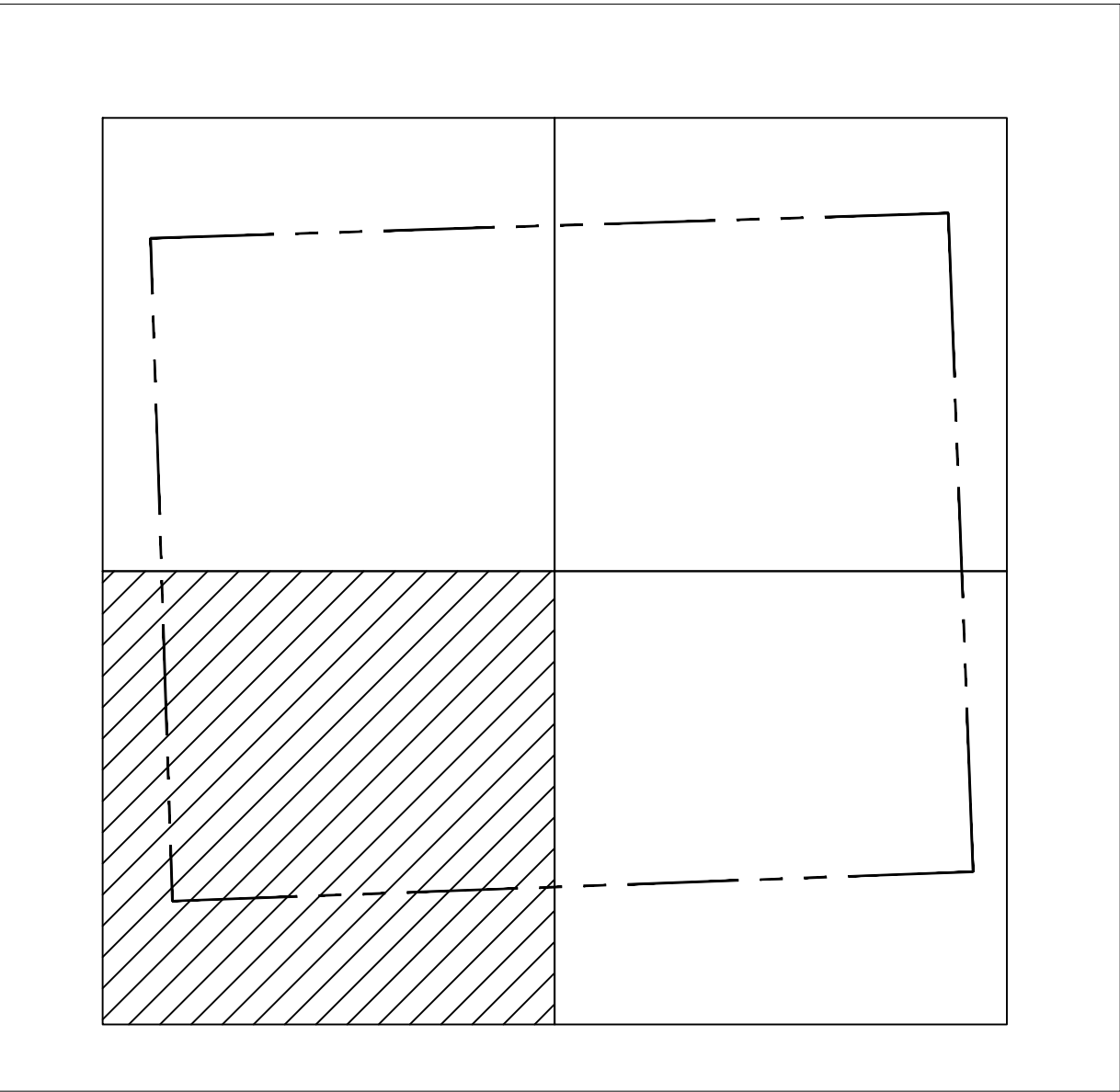
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MAP KEY



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M RICHARD
M A N D E L L
GOLF ARCHITECTURE

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**DESIGN
DEVELOPMENT
GRADING
PLAN**

06.03.2022

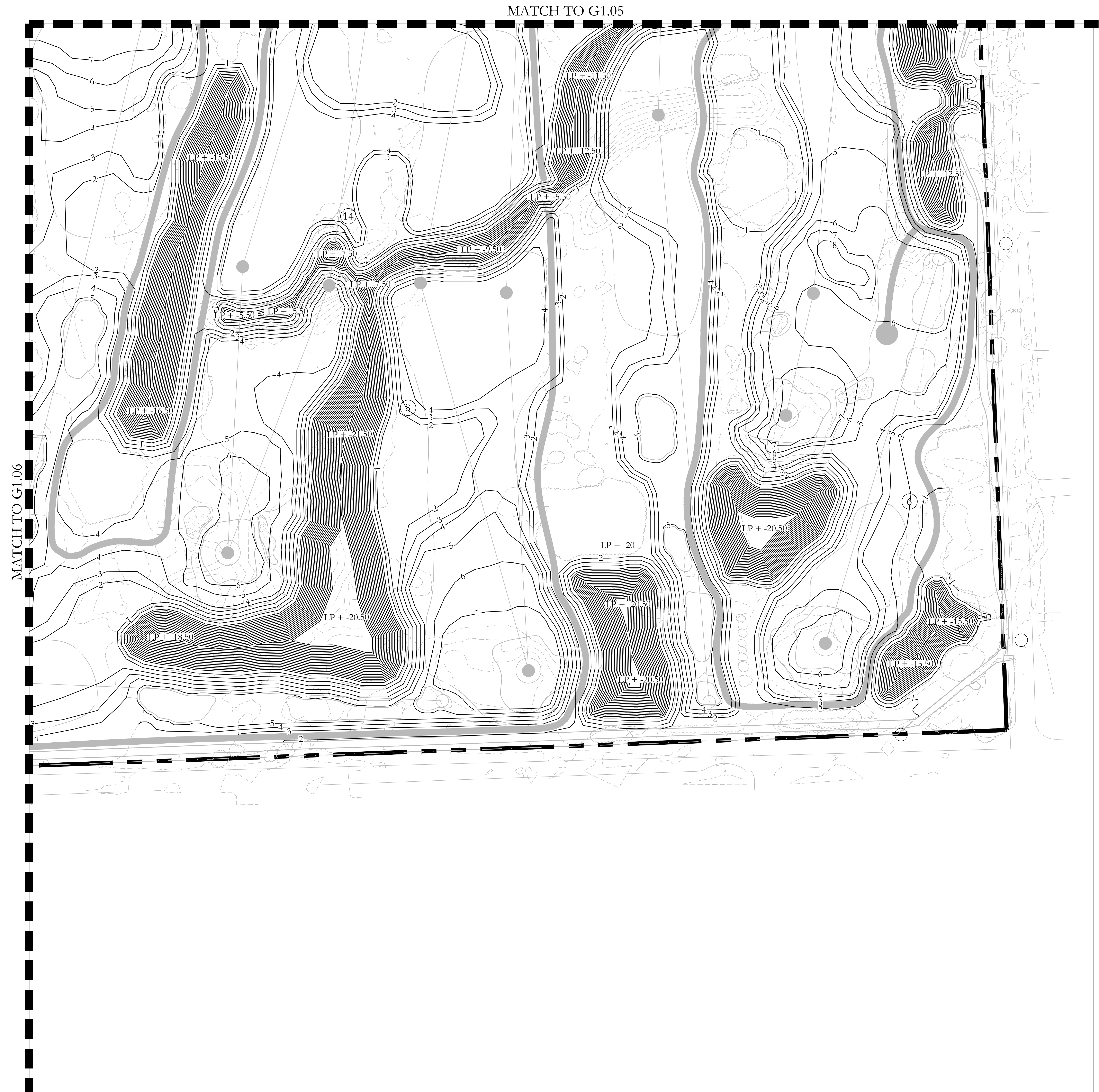
PROJECT NAME:
HOLLYWOOD BEACH GOLF
COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
GRADING PLAN**

SHEET NO.

G1.06



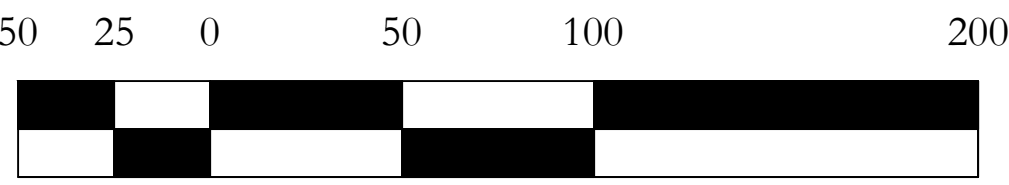
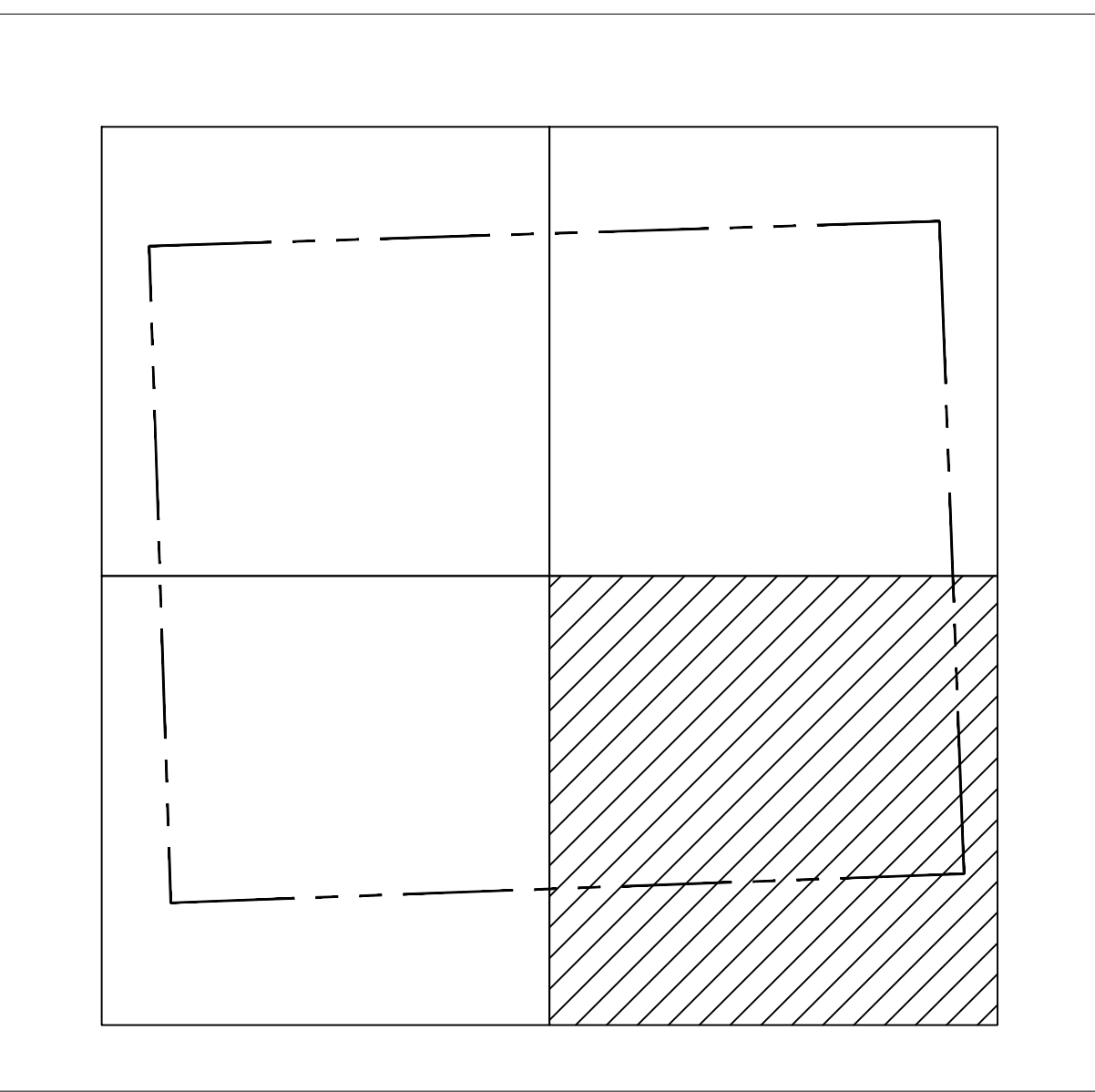
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- ENSURE BUNKER FACE SLOPES DO NOT EXCEED 75%. THE SAND BUNKERS SHALL BE SHAPED WITH THE BOTTOMS BEING CONCAVE SO THAT ALL SURFACE DRAINAGE FALLS AWAY FROM THE BUNKER EDGES. EACH BUNKER SHALL BE CONSTRUCTED SO AS TO PROVIDE VISIBILITY OF BUNKER SAND FROM THE TEE OR FAIRWAY HITTING AREA.

LEGEND

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- TEE
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- TREE TO REMAIN
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MAP KEY



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CLIENT:



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M A N D E L L**
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FOOD & BEVERAGE:



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**DESIGN
DEVELOPMENT
GRADING
PLAN**

06.03.2022

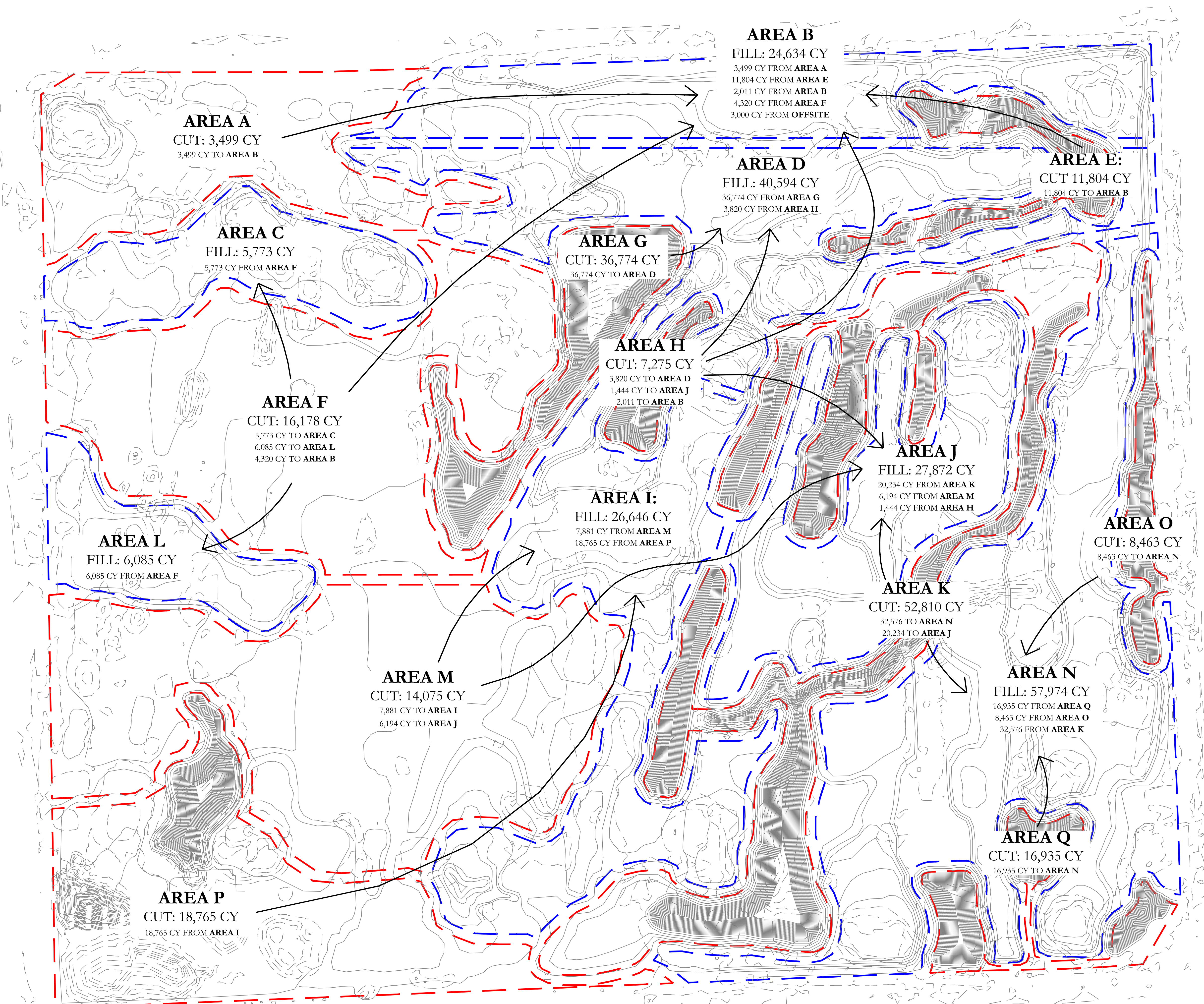
PROJECT NAME:
HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
GRADING PLAN**

SHEET NO.

G1.07



- NOTES:
- THIS PLAN DESIGNATES AREAS OF CUT AND FILL FOR THE ENTIRE PROPERTY. AREAS OF GRADING SHOWN THAT ARE NOT WITHIN THE AREAS OF CUT AND FILL REQUIRE NO ADDED OR REMOVED MATERIAL TO ACHIEVE THE SPECIFIED ELEVATIONS AND SHAPING.
 - NO EXTRA MATERIAL SHALL BE BROUGHT FROM OFF-SITE, NOR SHALL ANY SURPLUS OF MATERIAL BE REMOVED FROM THE SITE.
 - INITIAL BULK EARTH SHALL BE HAULED TO WITHIN FIFTEEN FEET(15') OF FINAL PLACEMENT AND ROUGH SHAPED TO WITHIN SIX INCHES (6") OF PROPOSED GRADE. AS SPECIFIED ON APPROPRIATE GRADING PLANS. IN THE INITIAL GRADING OF ALL GOLF COURSE FEATURES (GREENS, TEES, BUNKERS, MOUNDS, ETC.) IT IS MORE APPROPRIATE TO EXAGGERATE THE ELEVATIONS OF THESE FORMATIONS.
 - FILL SHALL BE PLACED IN SIX INCH (6") LIFTS AND COMPACTED WITH A TRACTOR TOLLER, OR SIMILAR EQUIPMENT. FILL MATERIAL SHALL CONTAIN NO STONES MORE THAN FOUR INCHES (4") IN DIAMETER. FILL SHALL BE COMPACTED TO NOT LESS THAN NINETY-FIVE PERCENT (95%) MAXIMUM DENSITY AS DETERMINED BY ASTM - 698. MOISTURE CONTENT SHALL BE ADJUSTED AS NEEDED FOR PROPER COMPACTION.

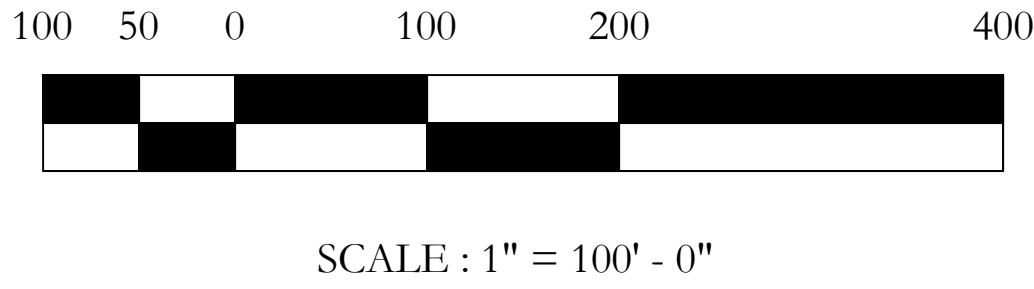
CUT/ FILL SUMMARY

Area	Net
AREA A	3,499 CY CUT
AREA B	24,634 CY FILL
AREA C	5,773 CY FILL
AREA D	40,594 CY FILL
AREA E	11,804 CY CUT
AREA F	16,178 CY CUT
AREA G	36,774 CY CUT
AREA H	7,275 CY CUT
AREA I	26,646 CY FILL
AREA J	27,872 CY FILL
AREA K	52,810 CY CUT
AREA L	6,085 CY FILL
AREA M	14,075 CY CUT
AREA N	57,974 CY FILL
AREA O	8,463 CY CUT
AREA P	18,765 CY CUT
AREA Q	16,935 CY CUT

TOTAL:	186,578 CY CUT
	189,578 CY FILL

*NOTE:

3,000 CY TO BE BROUGHT TO THE SITE FROM THE CITY OF HOLLYWOOD, FLORIDA



CLIENT:

CITY OF HOLLYWOOD
FLORIDA

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Design and Construction Management
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FOOD & BEVERAGE:

camacho
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DESIGN DEVELOPMENT CUT & FILL PLAN

06.03.2022

PROJECT NAME:
HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE

PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020

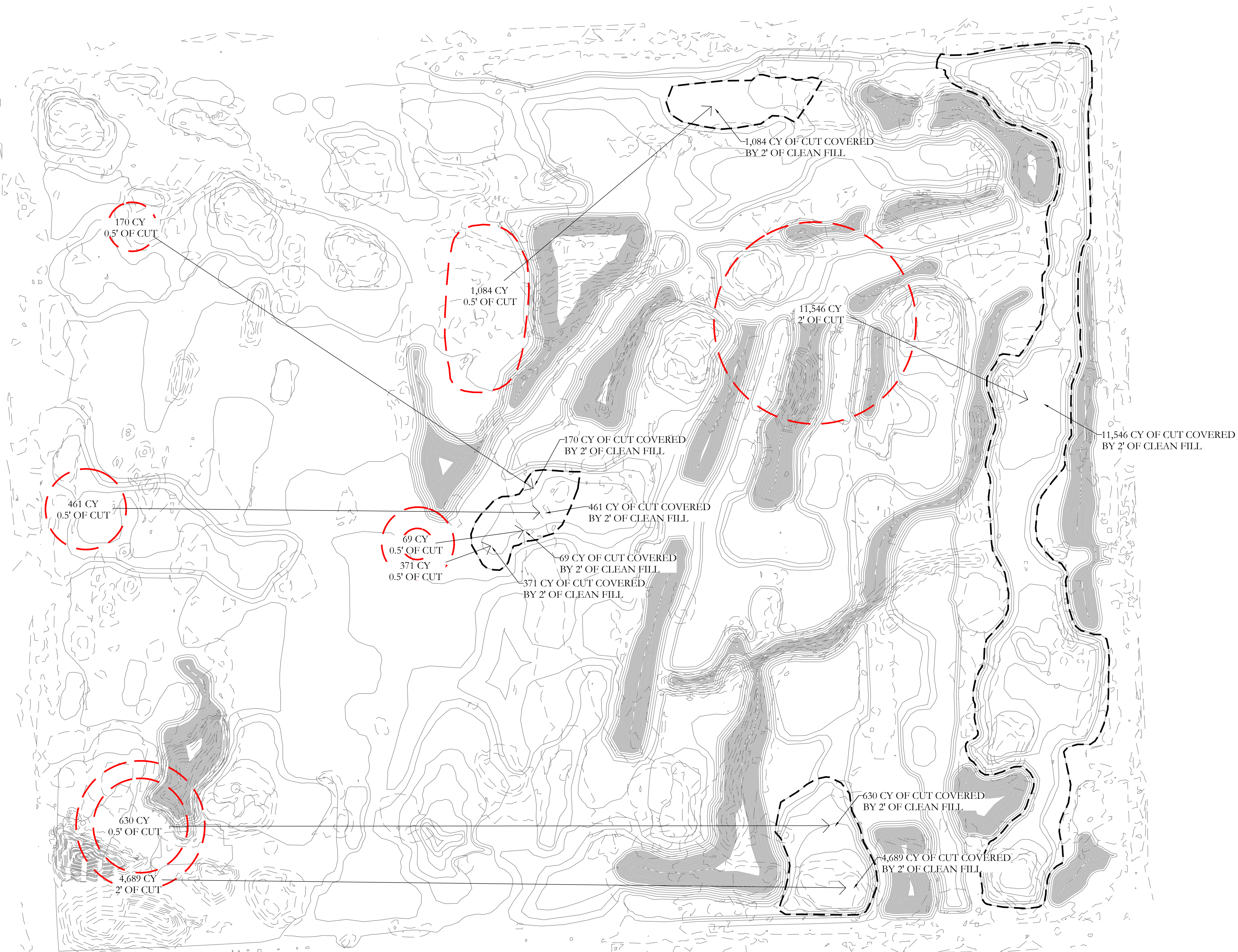
PROJECT NO.:
02141.000

SHEET NAME

DESIGN DEVELOPMENT CUT & FILL PLAN

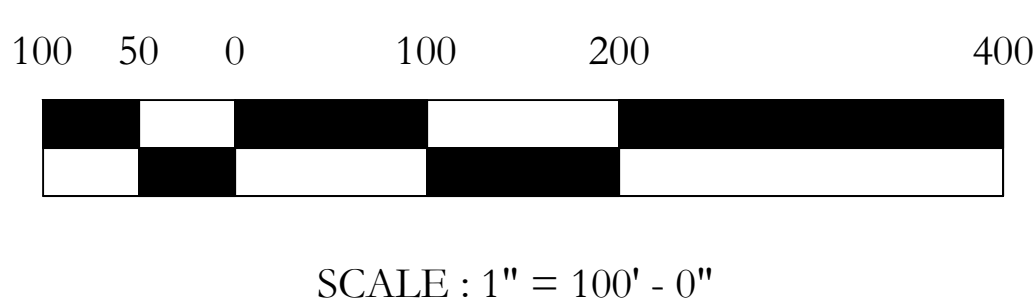
SHEET NO.

G1.08



DRAFT: IN PROGRESS

NOTES:



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**GOLF COURSE & LANDSCAPE
ARCHITECTURE:**

M R I C H A R D
M A N D E L L
G O L F A R C H I T E C T U R E

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**DESIGN
DEVELOPMENT
SOIL REMEDIATION
PLAN**

06.03.2022

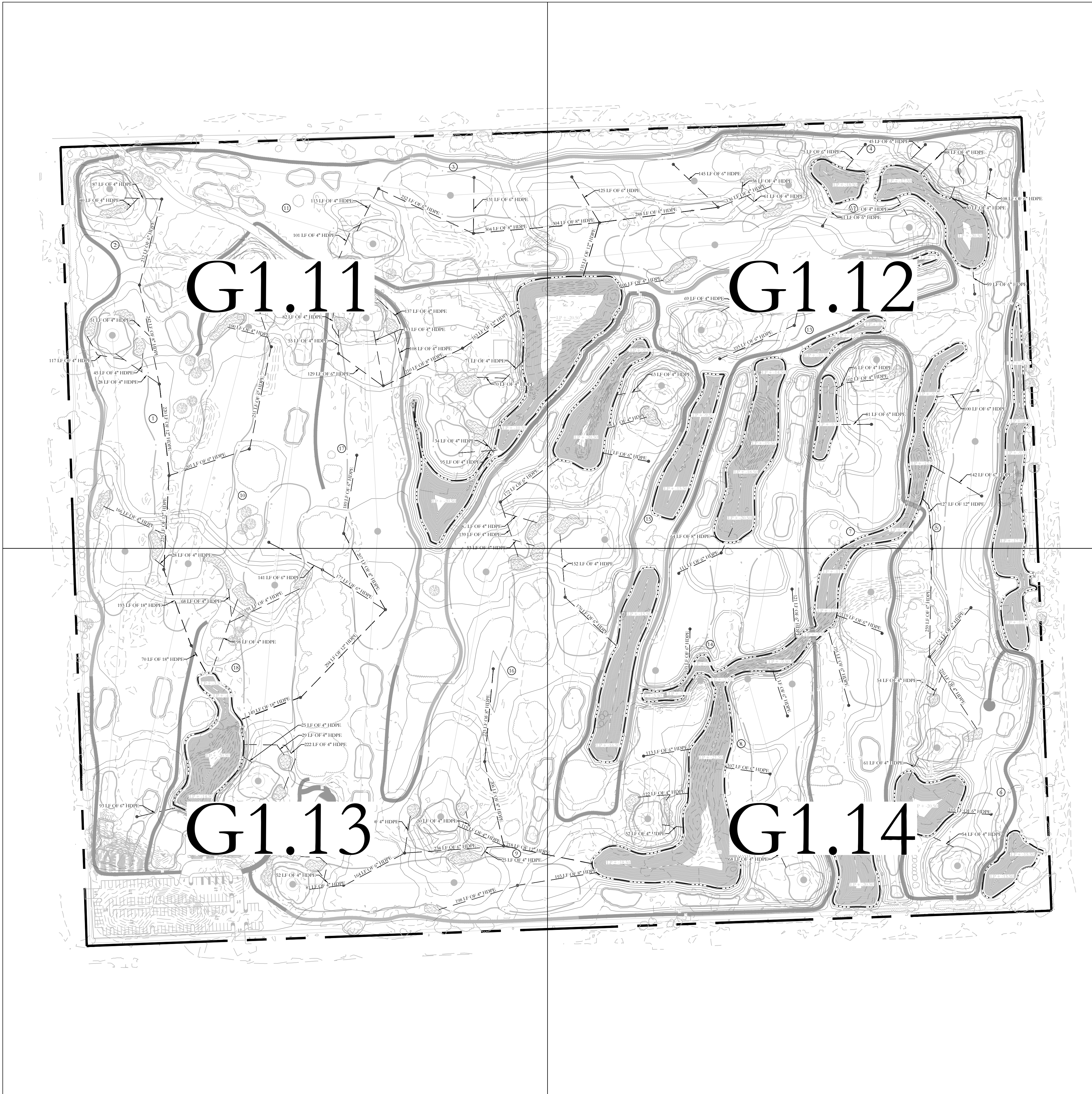
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SHEET NAME

**DESIGN DEVELOPMENT
SOIL REMEDIATION
PLAN**

SHEET NO.

G1.09



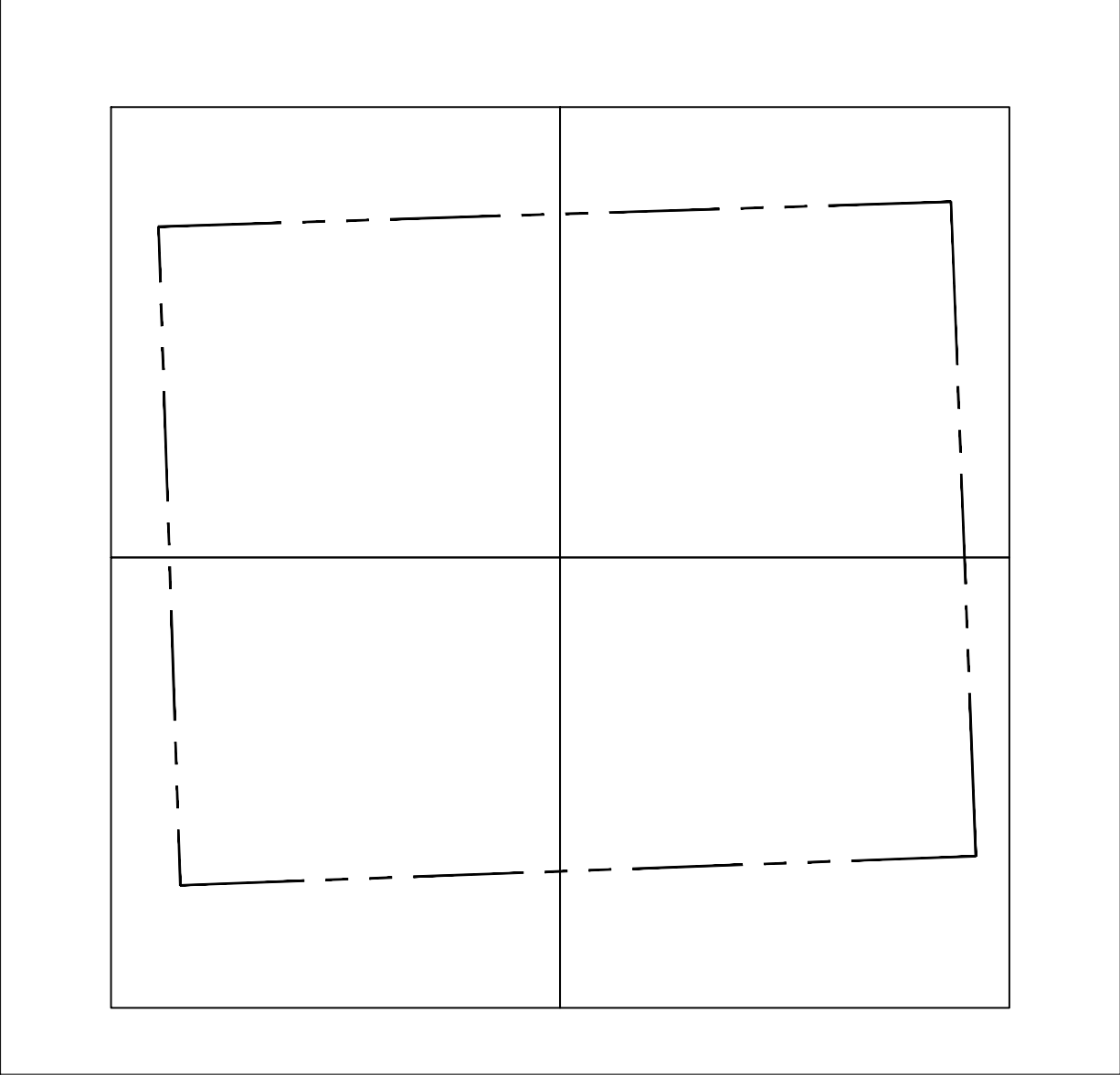
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LEGEND

- DRAINAGE PIPE SIZE VARRIES
- DROP INLET
- WATER

MAP KEY



CLIENT:



City of Hollywood
Design and Construction Management
PO Box 229045
Hollywood, Florida 33022-9045
T: (954) 921-3410

GOLF COURSE & LANDSCAPE ARCHITECTURE:

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FOOD & BEVERAGE:



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**DESIGN
DEVELOPMENT
OVERALL
DRAINAGE
PLAN**

06.03.2022

PROJECT NAME:
HOLLYWOOD BEACH GOLF
COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

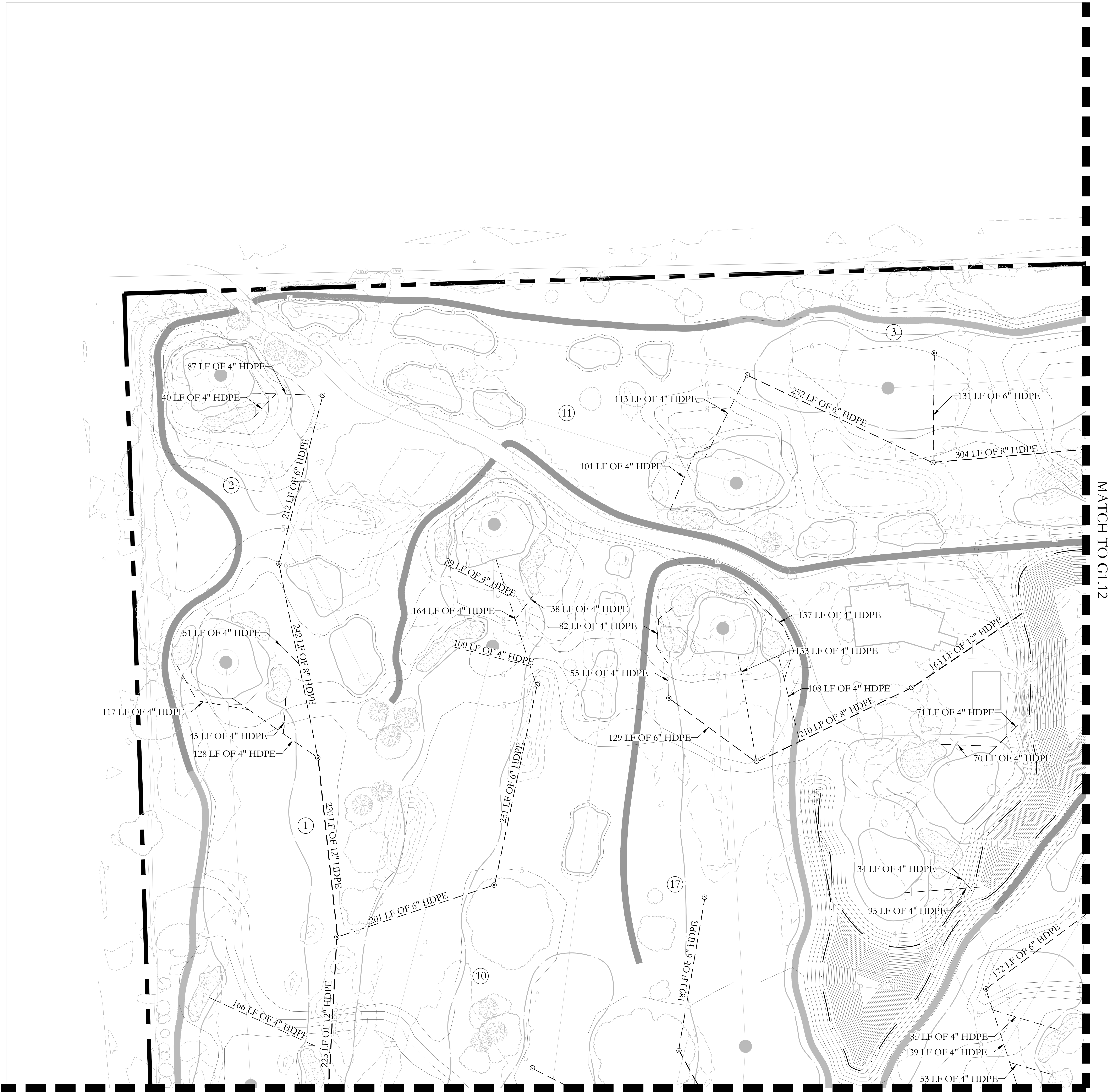
SHEET NAME

**DESIGN DEVELOPMENT
OVERALL DRAINAGE
PLAN**

SHEET NO.

G1.10

NOT TO SCALE



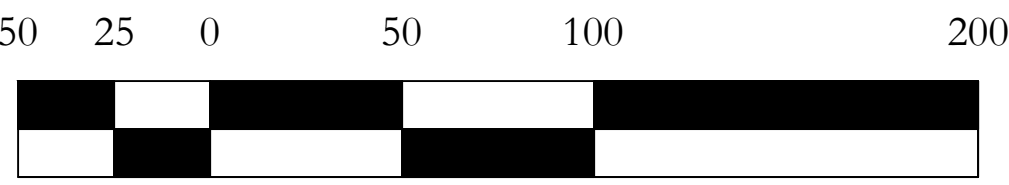
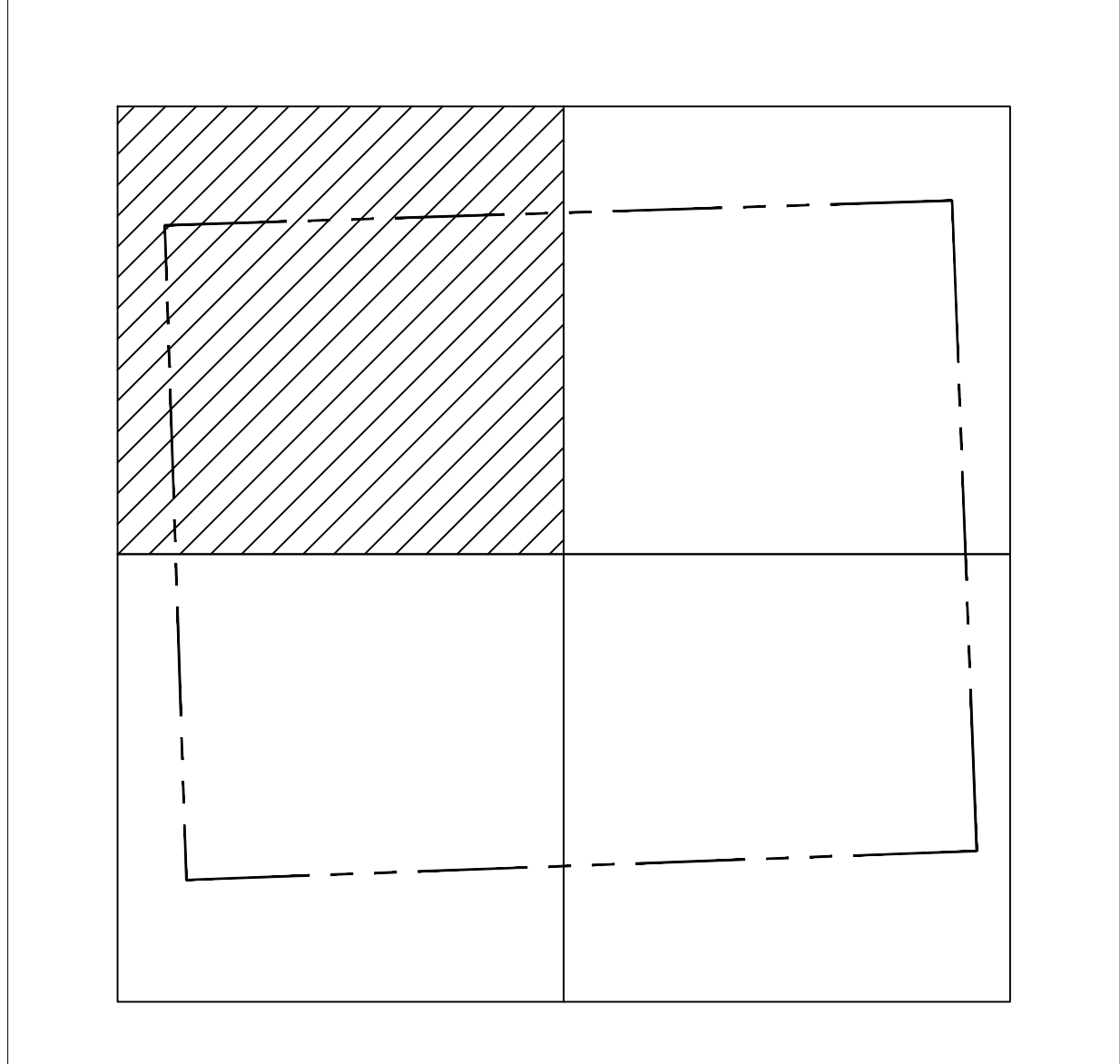
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**DESIGN
DEVELOPMENT
DRAINAGE
PLAN**

06.03.2022

PROJECT NAME:
HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
DRAINAGE PLAN**

SHEET NO.

G1.11

MATCH TO G1.11

MATCH TO G1.14

NOTES:

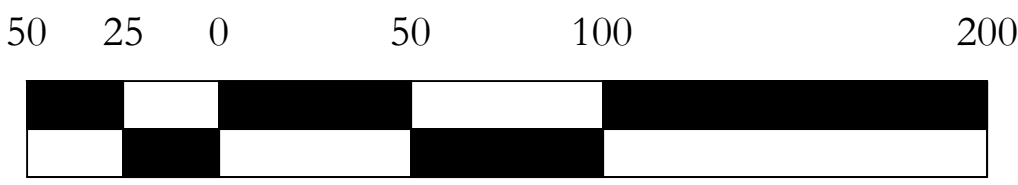
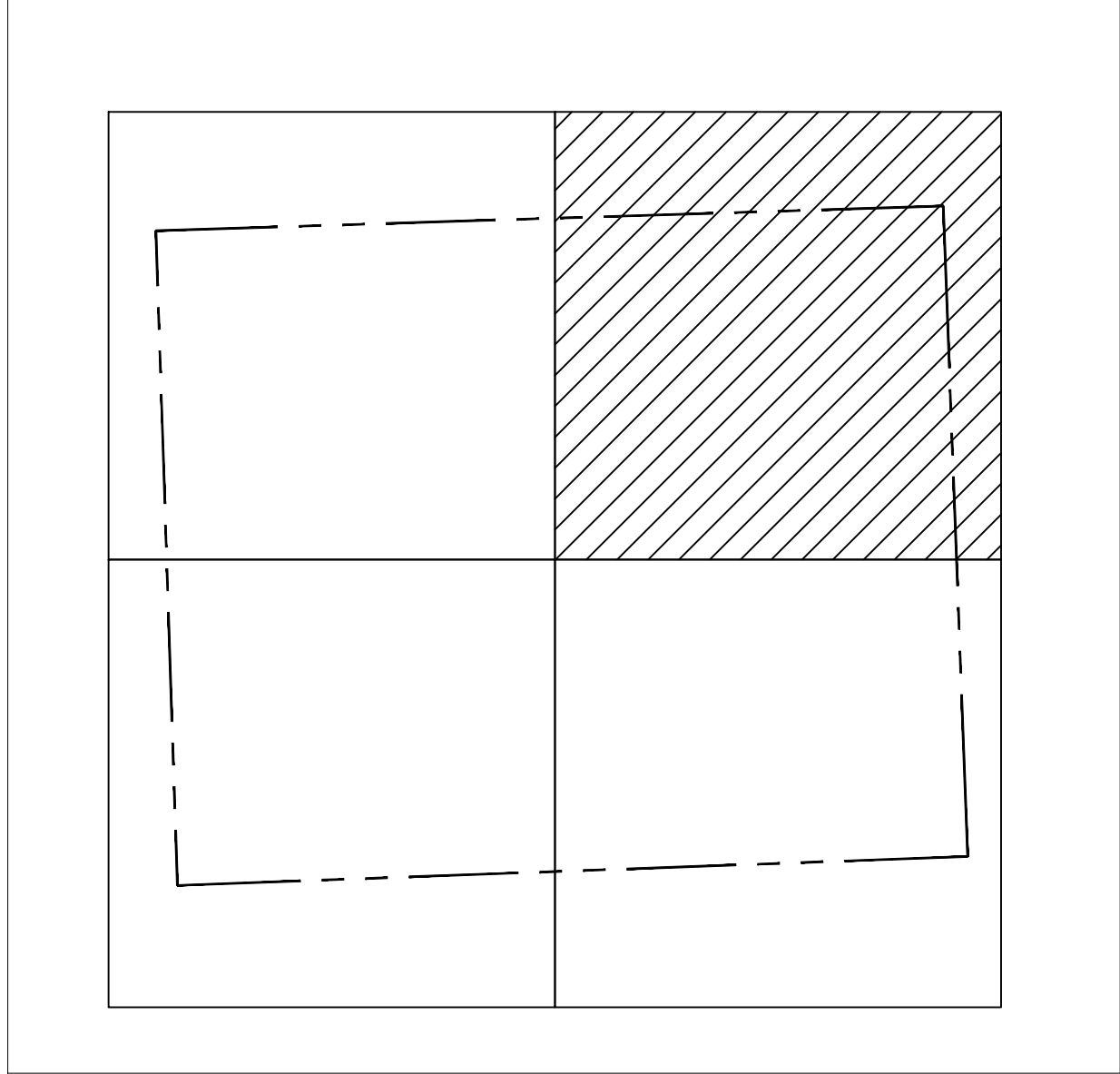
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LEGEND

- DRAINAGE PIPE SIZE VARRIES
- DROP INLET
- WATER

MAP KEY

NOT TO SCALE



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**DESIGN
DEVELOPMENT
DRAINAGE
PLAN**

06.03.2022

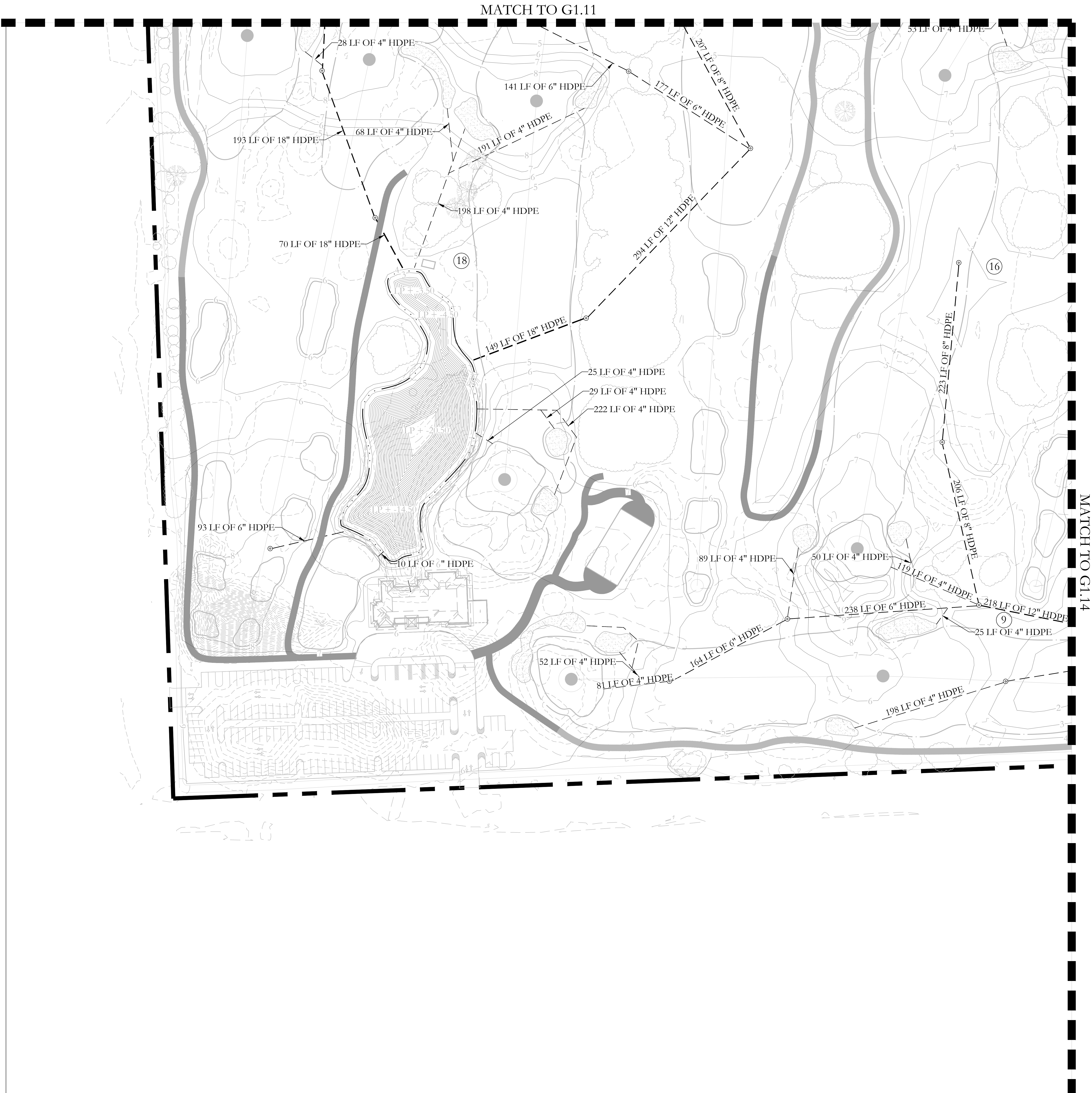
PROJECT NAME:
HOLLYWOOD BEACH GOLF
COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
DRAINAGE PLAN**

SHEET NO.

G1.12



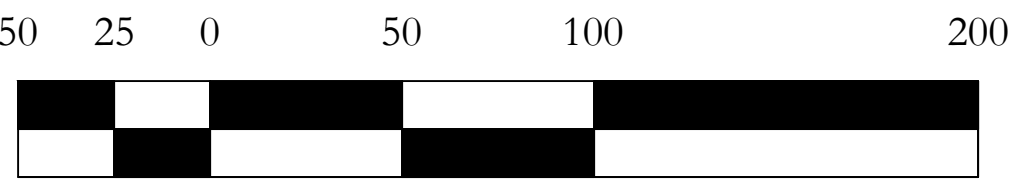
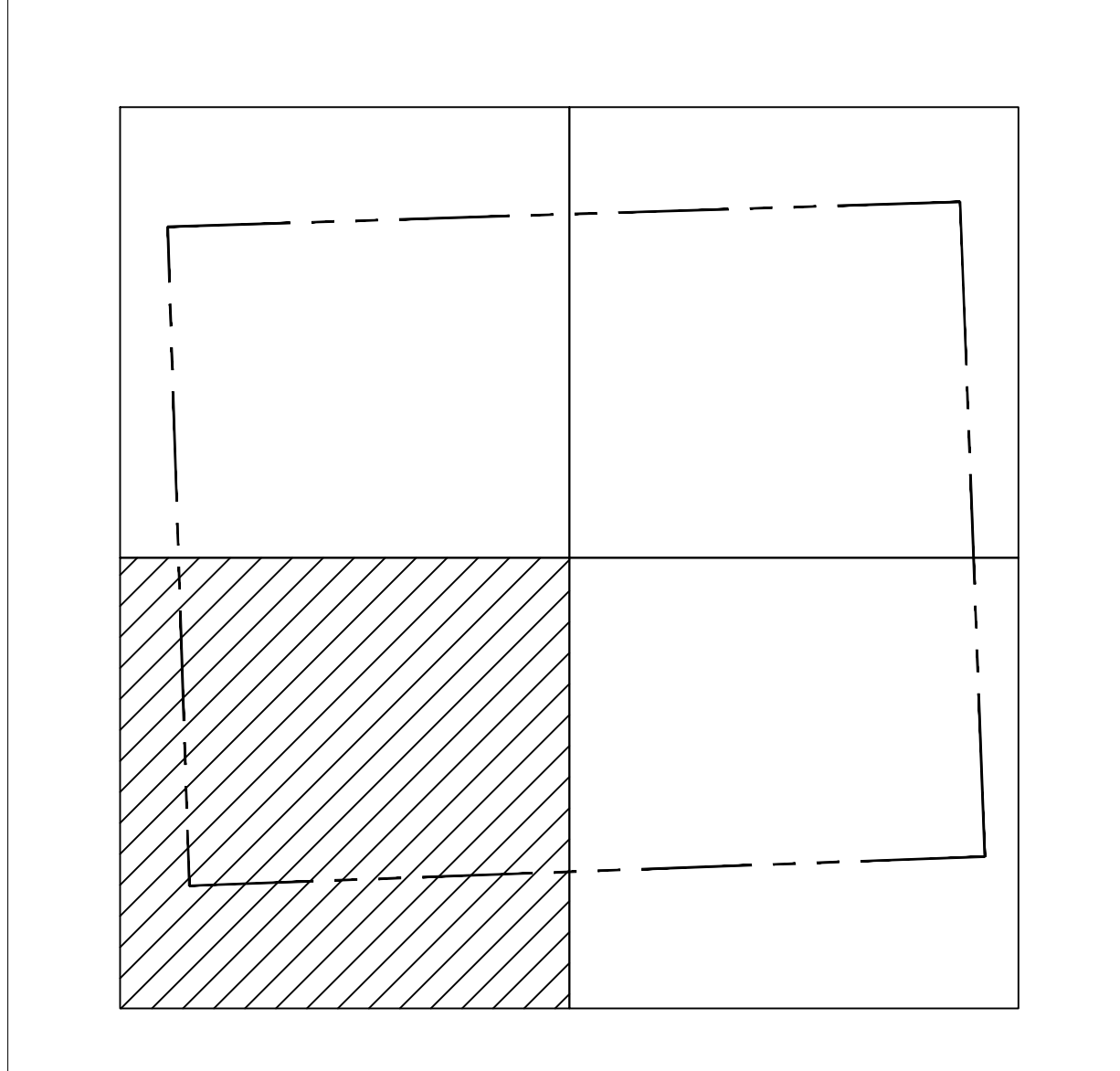
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LEGEND

- DRAINAGE PIPE SIZE VARRIES
- DROP INLET
- WATER

MAP KEY



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06.03.2022

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SHEET NAME

**DESIGN DEVELOPMENT
DRAINAGE PLAN**

SHEET NO.

G1.13



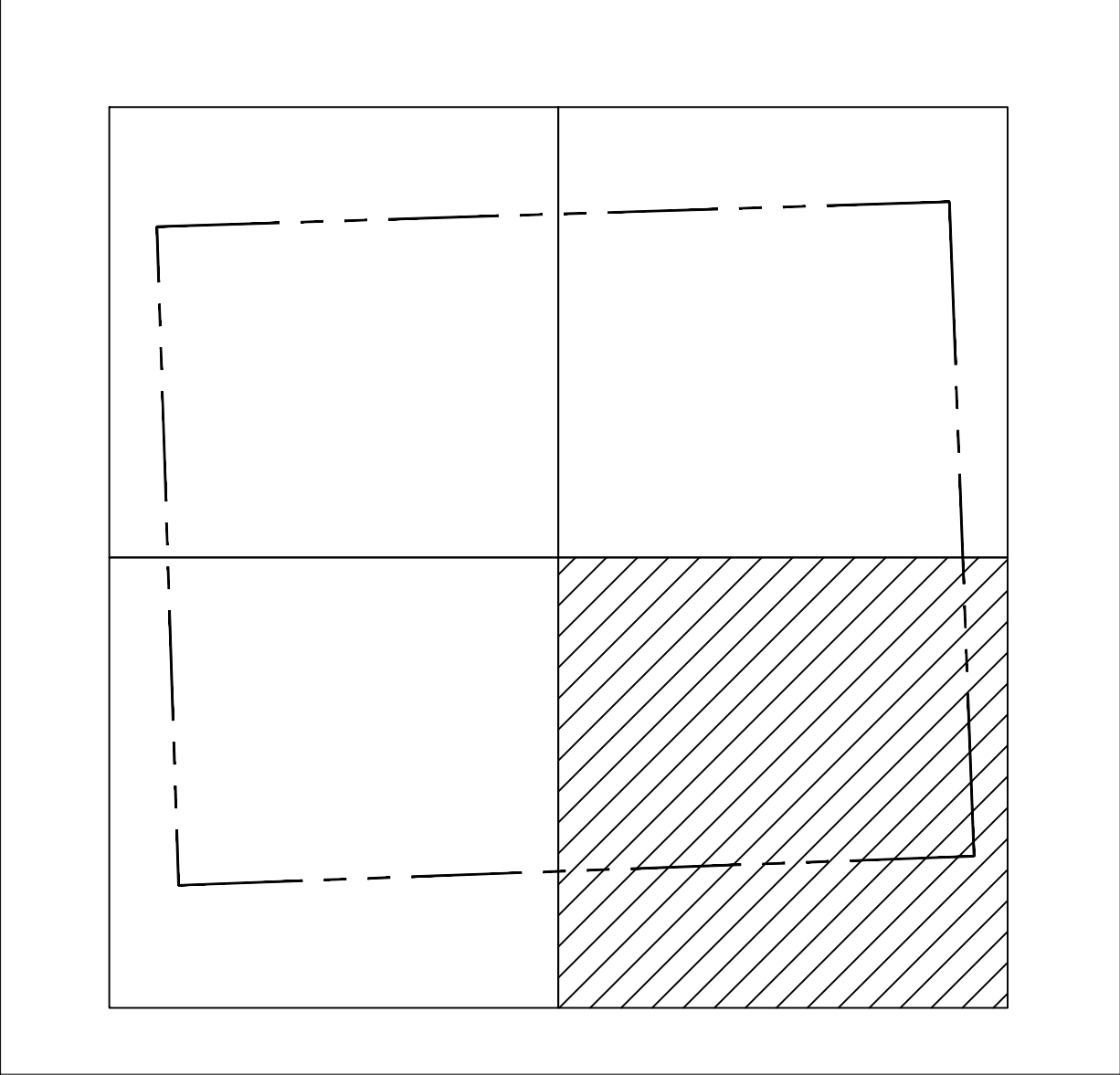
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PLAN**

06.03.2022

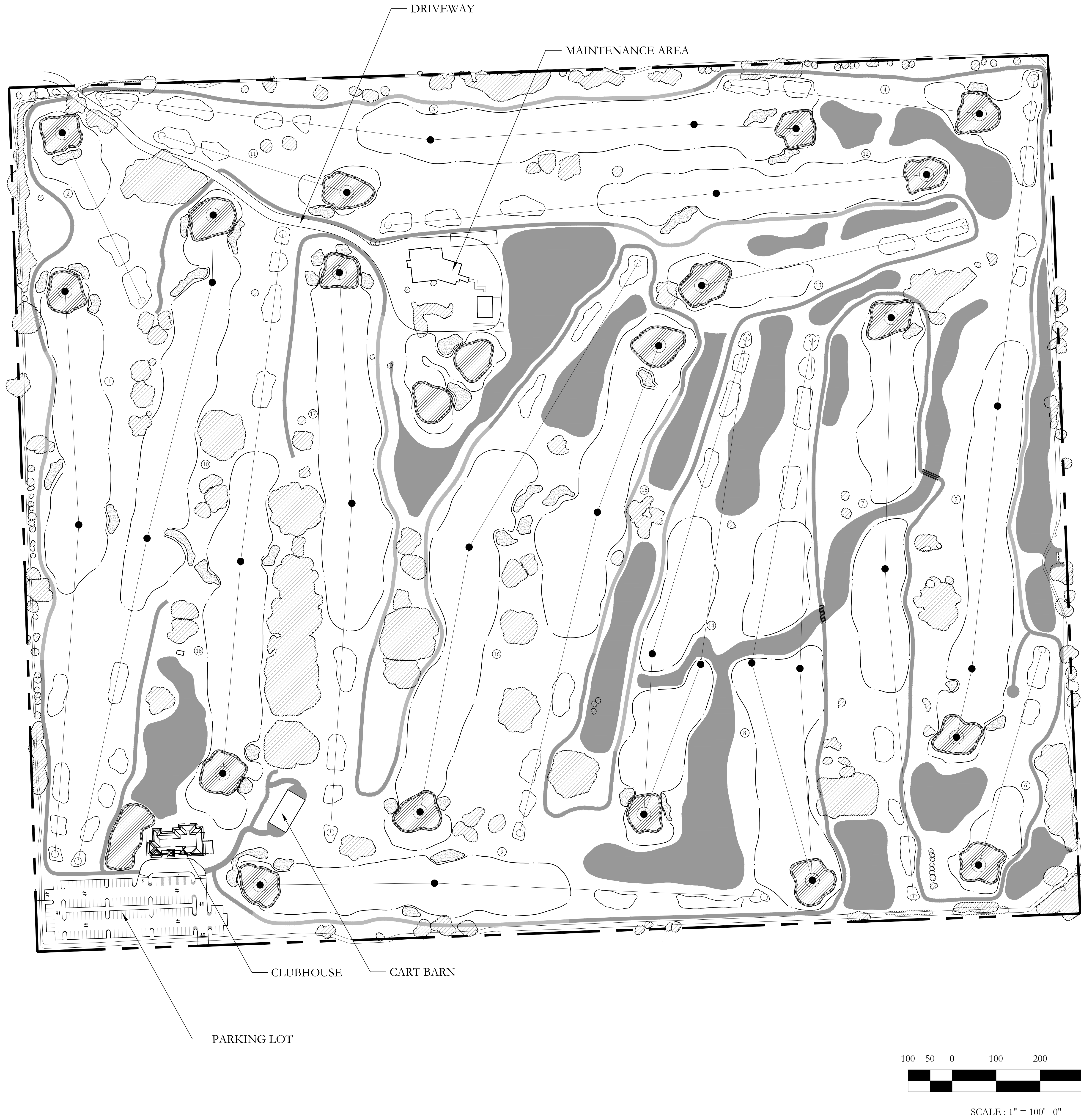
PROJECT NAME:
HOLLYWOOD BEACH GOLF
COURSE AND CLUBHOUSE
PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020
PROJECT NO.:
02141.000

SHEET NAME

**DESIGN DEVELOPMENT
DRAINAGE PLAN**

SHEET NO.

G1.14



NOTES

- FERTILIZER SHALL BE MANUFACTURED FROM QUALITY MATERIALS, BE FREE FROM IMPURITIES, UNIFORM IN COMPOSITION, MEET RECOGNIZED STANDARDS FOR EFFECTIVENESS AND BE FREE-FLOWING AND SUITABLE FOR APPLICATION WITH APPROVED EQUIPMENT. THE BASIC FERTILIZERS SHALL BE OF TURFGRASS GRADE, CONTAINING MONO-AMMONIUM PHOSPHATE AS THE PHOSPHOROUS SOURCE. THE FERTILIZER ANALYSIS FOR TEES, FAIRWAYS, AND ROUGH SHALL BE A 4-5-1 THAT IS FINE PARTICLE, CHEMICALLY HOMOGENOUS, HAVE A MINIMUM OF SEVENTY-FIVE PERCENT (75%) OF THE TOTAL NITROGEN (59%) DERIVED FROM UREA AND METHYLENE UREAS, A MINIMUM OF TWENTY-SIX PERCENT (26%) MONO-AMMONIUM PHOSPHATE.
- THE GRASS TYPE FOR ALL PUTTING GREEN SURFACES SHALL BE TIFEAGLE BERMUDA GRASS. THIS GRASS SHALL BE SPRIGGED AT THE RATE OF FORTY (40) BUSHELS/1,000 S.F.
- THE GRASS TYPE FOR ALL TEE TOPS SHALL BE CELEBRATION BERMUDA GRASS. THIS GRASS SHALL BE SPRIGGED AT THE RATE OF TWENTY (20) BUSHELS/1,000 S.F.
- THE GRASS TYPE FOR ALL FAIRWAYS SHALL BE CELEBRATION BERMUDA GRASS. THIS GRASS SHALL BE SPRIGGED AT THE RATE OF 600 BUSHELS/ACRE.
- THE GRASS TYPE FOR ALL IRRIGATED ROUGHS SHALL BE CELEBRATION BERMUDA GRASS. THIS GRASS SHALL BE SPRIGGED AT THE RATE OF 600 BUSHELS/ACRE.
- SOD SHALL CONSIST OF LIVE, GROWING PLANTS SECURED FROM SOURCES CERTIFIED BY THE STATE'S DEPARTMENT OF AGRICULTURE AND THE SOUTHERN SEED CERTIFICATION ASSOCIATION WHERE THE SOIL IS FERTILE AND SHALL HAVE A HEALTHY, VIBLE ROOT SYSTEM THROUGHOUT THE SOIL OF THE SOD FOR A MINIMUM OF ONE INCH. ALL SOD SHALL BE FREE OF UNCONTROLLABLE, FOREIGN WEEDS AND GRASSES, STRONGLY ROOTED AND CUT IN UNIFORM.
- AFTER BEING HARVESTED, SOD SHALL BE DELIVERED TO THE PLANTING SITE WITHIN TWENTY-FOUR (24) HOURS. BEFORE OBTAINING ANY SOD, THE CONTRACTOR SHALL PROVIDE THE SOURCE AND LOCATION TO THE RMGA ARCHITECT AND CITY FOR INSPECTION AND APPROVAL. IF SOD IS UTILIZED FOR GREENS, THAT PARTICULAR SOD MUST BE GROWN ON A SAND BASE WHICH IS COMPATIBLE WITH THE ROOT-ZONE MIXTURE.
- SOD FOR ALL FAIRWAYS AND ROUGH AREAS, INCLUDING SAND BUNKER SURROUNDS AND THE SLOPES SHALL BE CELEBRATION BERMUDA GRASS.
- SOD FOR GREENS COLLARS SHALL BE TIFTUF BERMUDA GRASS.
- IN QUANTIFYING THE NUMBER OF SPRIGS IN A BUSHEL, THE U.S. STANDARD OF 125 CUBIC FEET SHALL BE THE ONLY ACCEPTED MEASUREMENT FOR ONE (1) BUSHEL OF GRASS SPRIGS.
- STOLONS SHALL NOT HAVE A LENGTH LONGER THAN ONE AND ONE-HALF INCHES (1 1/2") PER STOLON.
- IMMEDIATELY PRIOR TO PLANTING, THE FAIRWAY AND ROUGH AREAS SHALL BE FERTILIZED AT A RATE OF POUNDS PER ACRE. THE STARTER FERTILIZER SHALL BE APPLIED TO THE TOP THREE INCHES (3") OF THE SEEDBED SURFACE WITH A MECHANICAL SPREADER AND THOROUGHLY MIXED IN BY RAKING OR OTHER APPROVED METHOD. FERTILIZER MUST BE DRY AND FREE FLOWING WHEN APPLIED.
- DISTRIBUTION AREAS WILL BE SMOOTHED OUT IN PREPARATION FOR PLANTING. IF THE GROUND BECOMES WET OR CAKES OVER BEFORE PLANTING, IT WILL BE RE-HARROWED. THE HARROWING AND FLOATING WILL ENSURE A SMOOTH, LEVEL, AND MELLOW PLANT BED.
- ON ALL TEE SLOPES, STEEP SLOPES OF 3:1 OR MORE, AND AREAS AS DIRECTED BY THE RMGA ARCHITECT, SOD SHALL BE UTILIZED. THE AREAS TO BE SODDED SHALL BE LIGHTLY DISTURBED IMMEDIATELY PRIOR TO LAYING THE SOD. A FIRST STARTER ROW SHALL BE LAID WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. ANY SOD LAID IN HIGHLY ERODIBLE AREAS EXCEEDING 3:1 IN GRADE SHALL BE STAPLED TO PREVENT MOVEMENT OF THE SOD UNTIL THE GRASS IS ESTABLISHED.
- SOD WHOSE ROOTS HAVE DRIED DUE TO EXPOSURE FROM AIR AND SUN, OR FROM WHERE GRASS HAS THINNED FROM THESE OR OTHER REASONS SHALL NOT BE USED.
- SOD TRANSPORTED TO THE SITE SHALL BE LAID NO LATER THAN WITHIN 24 HOURS OF ARRIVAL.
- ALL SODDED AREAS SHALL BE KNOTTED NEATLY AND FIRMLY TOGETHER, ALLOWING NO SPACES, GAPS, VOIDS, OR DEPRESSIONS WITHIN SODDED AREAS.
- BEFORE SPREADING SAND BUNKER SAND, SOD SHALL BE PLACED AROUND THE OUTSIDE EDGE OF THE BUNKER AND COMPLETELY COVER ALL SLOPES THAT WOULD ERODE INTO THE BUNKER WITH AN AMOUNT OF SOD EQUIVALENT TO FOUR PALLETS (PALLET SQUARE FOOTAGE IS PER ACCEPTABLE INDUSTRY STANDARDS) OF SOD PER BUNKER. AT A MINIMUM, A THREE FOOT (3') STRIP SHALL COMPLETELY SURROUND THE BUNKER. IF THE MINIMUM OF THREE FEET AROUND THE BUNKER REQUIRES MORE THAN AN AMOUNT EQUIVALENT TO THE REQUIRED SOD AMOUNT, THEN CONTRACTOR SHALL SUPPLEMENT AS NEEDED.
- CELEBRATION BERMUDA GRASS SHALL BE SPRIGGED AT THE RATE OF 600 BUSHELS PER ACRE ON FAIRWAYS AND ROUGH.
- IMMEDIATELY AFTER THE SPRIGS ARE PLACED ON THE SURFACE, THEY SHOULD BE INSERTED TO A DEPTH OF ONE-HALF INCH (1/2") TO ONE AND ONE-HALF INCHES (1 1/2") AT TWO INCH (2") CENTERS. WHEN DRAWING THE DISK AND ROLLER ACROSS THE PLANTING SURFACE, APPROPRIATE ACTION SHALL BE TAKEN TO NOT CONTAMINATE.
- IN THE PLANTING OPERATION, GRASS STOLONS SHALL BE UNIFORMLY DISTRIBUTED OVER THE AREAS TO BE PLANTED AND THEN BE ANCHORED INTO THE SOIL WITH AN APPROVED DISC TYPE PLANTER. THE PLANTER SHOULD BE RUN OVER THE STOLONS AT LEAST TWICE, EACH AT RIGHT ANGLES TO EACH OTHER.
- SPRIGS MUST BE WATERED AS SOON AS PRACTICAL AFTER INSTALLATION BUT IN NO CASE SHALL THEY BE LEFT NOT WATERED FOR MORE THAN THIRTY (30) MINUTES. IT IS ESSENTIAL THAT THE STOLONS BE KEPT MOIST UNTIL NEW GROWTH IS EVIDENT. THIS MAY REQUIRE WATERING LIGHTLY MORE THAN ONCE DAILY.
- MAINTENANCE OF THE GRASSED AREAS: IMMEDIATELY AFTER ALL AREAS HAVE BEEN SEEDED, THE CONTRACTOR SHALL WATER THE SEEDED AREAS SUFFICIENTLY TO SEAL THE SOIL AROUND ALL SEEDS, SOD, AND/OR STOLONS. WATERING SHALL BE UNDER CONSTANT SUPERVISION OF THE CONTRACTOR IN ORDER TO ACHIEVE SATISFACTORY GERMINATION OF THE GRASS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEEDED AREAS BY KEEPING THE SOIL CONSTANTLY MOIST AFTER PLANTING TO ACHIEVE PROPER GERMINATION.
- SINCE THE PROPER GROWTH AND CULTIVATION OF TURFGRASS IS DEPENDENT UPON A VARIETY OF FACTORS BEYOND THE CONTROL OF THE CONTRACTOR, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR FAILURE OF PLANTED AREAS TO DEMONSTRATE SATISFACTORY SPROUTING IF HIS OPERATIONS ARE IMPAIRED BY ACTS OF GOD, EXTREMELY UNUSUAL WEATHER CONDITIONS (TWENTY PERCENT (20%) ABOVE AVERAGE RAINFALL), AND/OR UNUSUAL OR UNCONTROLLABLE DISEASE OR INSECT ATTACKS.
- SATISFACTORY GERMINATION: THIRTY (30) DAYS AFTER ALL AREAS HAVE BEEN SEEDED, A CHECK SHALL BE MADE TO SEE THAT ALL WATERED AREAS DEMONSTRATE ADEQUATE GERMINATION. AREAS OUTSIDE OF THE SPRINKLING AREAS OF THE IRRIGATION SYSTEM SHALL NOT BE EXPECTED TO BE CONSISTENT IF SUFFICIENT RAINFALL HAS NOT OCCURRED.
- WARRANTY: THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESEEDING ALL AREAS WHICH DO NOT GERMINATE WITHIN 30 DAYS OF FINAL ACCEPTANCE OF THE WORK. IT WILL BE THE CITY'S RESPONSIBILITY TO MAINTAIN ALL AREAS FOLLOWING FINAL ACCEPTANCE OF THE WORK BY THE GOLF COURSE ARCHITECT.
- IT MAY BE NECESSARY TO NOTCH THE SOD IN PLACES TO PROPERLY MIMIC THE EXACT BUNKER EDGE SHELL-OUT LINES. IT MAY ALSO BE NECESSARY TO CUT AWAY THE EXCESS SOD WHERE OVERLAPS OCCUR TO PROPERLY FIT AND PRESERVE THE BUNKER EDGE LINES AS WELL.

LEGEND

- GREEN COLLAR- TIFGRAND BERMUDA
- GREEN- TIFEAGLE BERMUDA
- FAIRWAY- CELEBRATION BERMUDA
- ROUGH- CELEBRATION BERMUDA
- TEE- CELEBRATION BERMUDA
- SAND BUNKERS
- CART PATH- CONCRETE
- CART PATH- COQUINA SHELL
- WATER
- TREES TO REMAIN- NO GRASSING UNDER

CLIENT:



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T: (954) 921-3410

GOLF COURSE & LANDSCAPE ARCHITECTURE:

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M A N D E L L**
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FOOD & BEVERAGE:



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T: (770) 582-1144

DESIGN DEVELOPMENT GRASSING PLAN

06.03.2022

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HOLLYWOOD BEACH GOLF COURSE AND CLUBHOUSE

PROJECT ADDRESS:
1600 Johnson Street
Hollywood, FL 33020

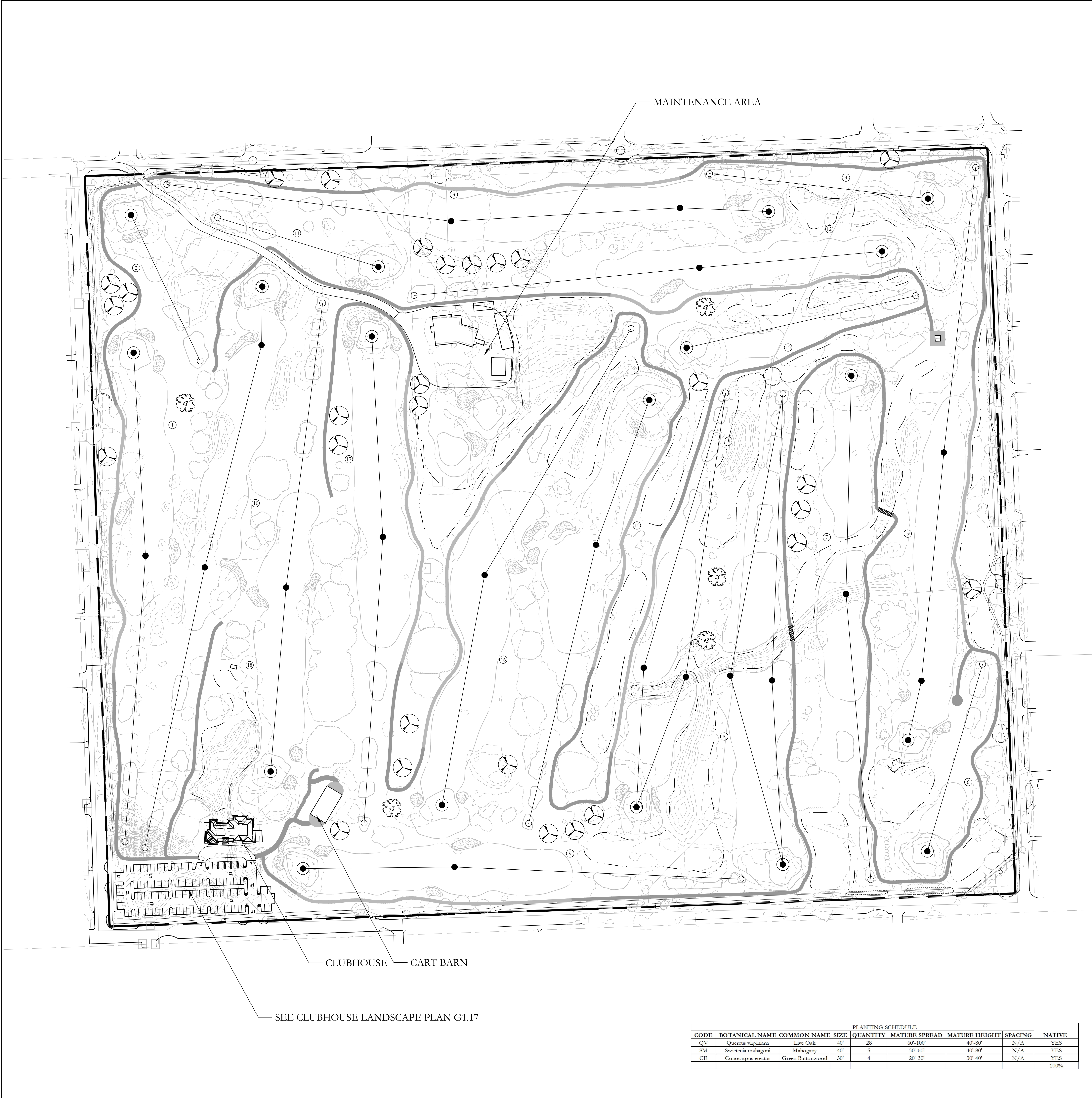
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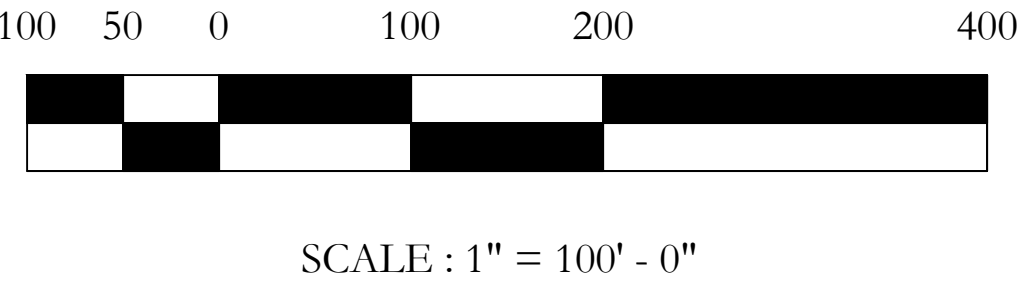
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- NOTES:
1. ALL SPECIFIED HEIGHTS IN COMPOSITE PLANT LIST ARE RECOMMENDED PLANT HEIGHTS TO ACHIEVE PROPER DESIGN EFFECT. THIS WILL REQUIRE ANNUAL PRUNING.
 2. REQUIRED PRUNING SHALL NOT BE ACCOMPLISHED WITH SHEARS. PRUNING SHALL BE ACCOMPLISHED USING LARGE CLIPPERS.
 3. PRUNING OF ALL PLANT MATERIAL SHALL ACHIEVE A NATURAL APPEARANCE. PLANTS SHALL NOT BE PRUNED TO ACHIEVE A UNIFORM FORMAL APPEARANCE WITH SMOOTH SIDES.
 4. TREES WHICH ARE PYRAMIDAL IN FORM SHALL NOT BE LIMBED UP TO APPEAR AS "LOLLIPOP" SHAPES.
 5. ALL SHRUBS SHALL NOT BE PRUNED TO EXPOSE LOWER LIMBS. SHRUBS SHALL HAVE BRANCHES EXTENDED TO THE GROUND.
 6. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
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 17. 100% IRRIGATION COVERAGE BY MEANS OF AN AUTOMATIC SPRINKLER SYSTEM DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE CITY OF HOLLYWOOD CODE OF ORDINANCES AND REGULATIONS OF THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT.

- LEGEND
- 5" LIVE OAK
 - 5" MAHOGANY
 - 5" GREEN BUTTONWOOD
 - TREES TO REMAIN

PLANTING SCHEDULE							
CODE	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	MATURE SPREAD	MATURE HEIGHT	SPACING
QV	Quercus virginiana	Live Oak	40'	28	60'-100'	40'-80'	N/A
SM	Swietenia malagons	Mahogany	40'	5	30'-60'	40'-80'	N/A
CE	Conocarpus erectus	Green Buttonwood	30'	4	20'-30'	30'-40'	N/A
							100%



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DESIGN
DEVELOPMENT
GOLF COURSE
LANDSCAPE
PLAN

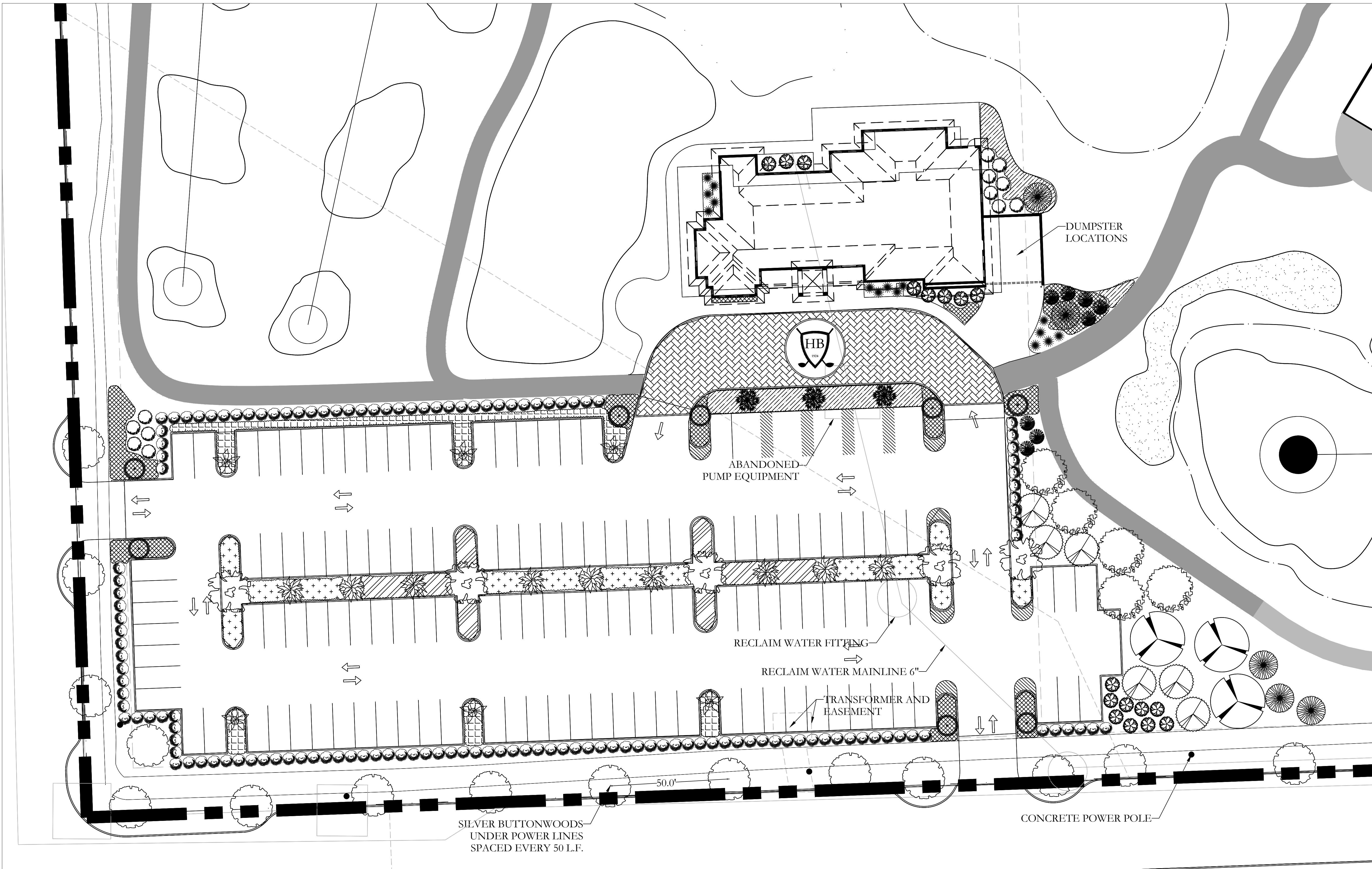
09.06.2022

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COURSE AND CLUBHOUSE
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PROJECT NO.:
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SHEET NAME

DESIGN DEVELOPMENT
GOLF COURSE
LANDSCAPE PLAN

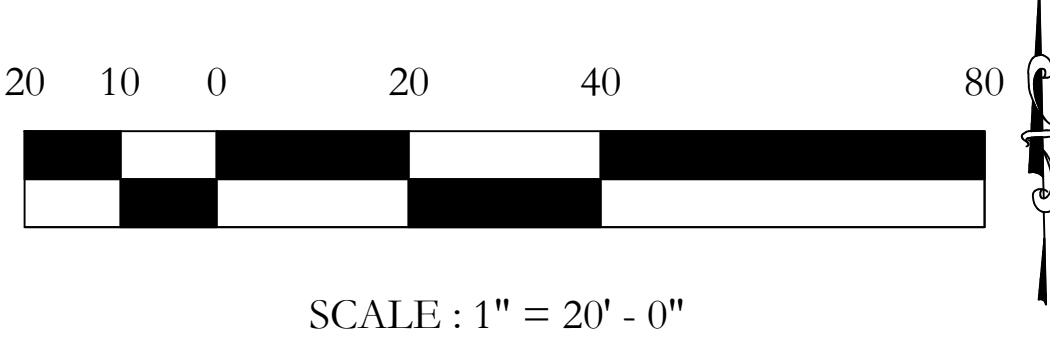
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LEGEND			
	QUERCUS VIRGINIANA LIVE OAK		WASHINGTONIA ROBUSTA WASHINGTON PALM
	BURSERIA SIMARUBA GUMBO LIMBO		PHOENIX DACTYLIFERA DATE PALM
	SWietenia MAHOGANI MAHOGANY		ROYSTONIA REGIA ROYAL PALM
	DELONIX REGIA ROYAL POINCIANA		COCOTHRINAX ARGENTATA SILVER PALM
	CONOCARPUS ERECTUS SILVER BUTTONWOOD		ILEX CRENATA 'STEEDS' JAPANESE HOLLY
			HUHLINBERGIA CAPILLARIS MUHLY GRASS
			HYPERICUM SPT. ST. JOHN'S WORT
			EMODEA LITTORALIS GOLDEN CREEPER
			PORTULACA PILOSA PINK MOSS ROSE
			BOUGAINVILLEA GLABRA 'IMPERIAL DELIGHT' BOUGAINVILLEA DELIGHT

PLANTING SCHEDULE								
CODE	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY	MATURE SPREAD	MATURE HEIGHT	SPACING	NATIVE
TREES								
QV	Quercus virginiana	Live Oak	5"	3	60'-100'	40'-80'	N/A	YES
BS	Bursera simaruba	Gumbo Limbo	5"	5	25'-30'	25'-40'	N/A	YES
SM	Sorbus mulligana	Muhlygrass	5"	5	30'-60'	40'-80'	N/A	YES
DR	Delonix regia	Royal Poinciana	5"	5	40'-70'	30'-40'	N/A	NO
CE	Conocarpus erectus setosus	Silver Buttonwood	5"	15	15'-25'	30'-40'	N/A	YES
PALMS								
WR	Washingtonia robusta	Washington Palm	5"	3	8'-10'	40'-80'	N/A	NO
PD	Phoenix dactylifera	Date Palm	5"	9	20'-40'	30'-80'	N/A	NO
RR	Roystonea regia	Royal Palm	5"	6	20'-30'	60'-100'	N/A	YES
CA	Coccothraux argentea	Silver Palm	5"	14	5'	5'-30'	N/A	YES
SR	Sorbus capensis	Saw Palmetto	5"	15	12'-30'	12'-36'	N/A	YES
SHRUBS								
IC	Ilex crenata 'Steeds'	Japanese Holly	1 GAL	8	5'-6'	6'-8'	30"	NO
AE	Azalea speciosa	Madagascar	1 GAL	6	6'-12'	12'-20'	30"	YES
CA	Calligaya americana	Bourbonberry	1 GAL	12	4'-6'	3'-6'	30"	YES
PT	Psychotria nervosa	Wild Coffee	1 GAL	137	4'-10'	4'-8'	N/A	YES
BG	Bougainvillea glabra 'Imperial Delight'	Bougainvillea Delight	1 GAL	17	6'-9'	8'-20'	30"	NO
GROUND COVER								
SB	Spartina bakeri	Sand Cordgrass	1 GAL	51	2'-3'	3'-4'	36"	YES
HC	Habenaria capillaris	Muhly Grass	1 GAL	33	2'-3'	2'-3'	36"	YES
HS	Hypocissus sp.	St. John's Wort	1 GAL	28	1'-2'	1'-3'	24"	YES
EL	Eucalyptus laevis	Golden Cane	1 GAL	57	3'-6'	1'-2'	36"	YES
PP	Portulaca pilosa	Pink Moss Rose	1 GAL	114	0'-6"	0'-1'	12"	YES



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