



GRADING AND DRAINAGE PLAN
1"=30'

- NOTES:**
- 1-1. PROVIDE OVERFLOW WEIR. SEE DETAIL INDICATED.
 - 2-2. PROVIDE 12" PVC STORM DRAIN PIPE WITH MITERED END SECTION PER FDOT INDEX NO. 273. MAINTAIN MINIMUM 12" COVER OVER STORM DRAIN PIPE.
 - 2-3. SEE PLUMBING/ARCHITECTURAL DRAWINGS FOR CONTINUATION AND TIE-IN TO ROOF DRAIN SYSTEM.
 - 2-4. PROVIDE 48" LT 12" x 18" DROP AT 0.5% SLOPE PROVIDE MEAS PER FDOT INDEX NO. 273 AT BOTH ENDS OF CULVERT WITH BARS SPACED 8" ON CENTER ACROSS OPENING. REGRADE UPSTREAM AND DOWNSTREAM OF CULVERT AT MAX 5:1 SLOPE TO EXISTING SWALE INVERT. NORTH INV = 31.34' AND SOUTH INV = 31.00'.
 - 2-5. PROVIDE CONCRETE CAP OVER CULVERT PER CITY OF PALM BEACH DETAIL ON DWG. C-3.
 - 2-6. REMOVE SECTION OF EXISTING SIDEWALK FOR CONSTRUCTION OF NEW DRIVEWAY AND INSTALLATION OF NEW UTILITIES. SAWCUT FOR SMOOTH STRAIGHT EDGE. PROVIDE HANDICAP ACCESSIBLE SIDEWALK CONNECTIONS (6" THICK ON COMPACTED SUBGRADE) WITH TACTILE SURFACE TO DRIVEWAY PER FDOT INDEX NO. 304.
 - 2-7. PROJECT BENCHMARK, SEE GENERAL NOTE NO. 34 FOR ADDITIONAL INFORMATION.
 - 2-8. LIMITS OF CLEARING (TYP).
- GENERAL NOTES:**
1. SEE TYPICAL DETAILS ON FOLLOWING SHEETS FOR ADDITIONAL CONSTRUCTION DETAIL INFORMATION.
 2. CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH ALL PERMITS AND PERMIT CONDITIONS.
 3. ALL AREAS DISTURBED OFF-SITE SHALL BE RESTORED TO EQUAL OR BETTER CONDITION THAN PRE-CONSTRUCTION WITH SAME TYPE AND SOIL AS EXISTING.
 4. CONTRACTOR SHALL COMPLY WITH ALL RECOMMENDATIONS OF KSM ENGINEERING AND TESTING, INC. SUBSURFACE EXPLORATION REPORT FOR THIS SITE.
 5. SLOPE ALL SLOPES TO FLOW AWAY FROM BUILDING WITH MAXIMUM 2% CROSS-SLOPE.
 6. PROVIDE CONTINUOUS SLOPE BETWEEN ALL SPOT ELEVATIONS. UTILITY LENGTHS ARE APPROXIMATE BASED ON FIELD OBSERVATIONS AND AS-BUILT DRAWINGS. CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, DEPTH AND MATERIAL OF EXISTING UTILITIES. PROVIDE ADDITIONAL PIPING AND FITTINGS AS NECESSARY. NOTIFY ENGINEER OF SIGNIFICANT INCREASES.
 8. NOTIFY ENGINEER MINIMUM 72 HOURS (WEEKDAYS) PRIOR TO MAKING UTILITY CONNECTIONS OR BACKFILLING UTILITY TRENCHES FOR INSPECTION.
 9. ALL TRAFFIC SIGNS SHALL BE INSTALLED PER STANDARD FDOT INDEX NOS. 9335, 1185 AND 1230.
 10. ALL ROAD ARE 5' UNLESS IDENTIFIED OTHERWISE.
 11. PROVIDE 3/4" FENCE PER FDOT INDEX NO. 102 ALONG ENTIRE WEST PERIMETER OF CONSTRUCTION AREA EXCLUDING ENTRANCE DRIVEWAY.
 12. CONTRACTOR SHALL PROVIDE BARRIER ENCLOSURE WALLS. COLOR SELECTION BY OWNER OR ARCHITECT.
 13. CONTRACTOR SHALL PROTECT OFF-SITE AS IN A SAFE AND LEGAL MANNER UNLESS OWNER SPECIFICALLY REQUESTS OTHERWISE.
 14. FOR DEMOLITION OF ALL ASPHALT AND CONCRETE MATERIALS, SAWCUT EDGES FOR SMOOTH STRAIGHT EDGE.
 15. PROVIDE HANDICAP ACCESSIBLE CONNECTION WITH TACTILE SURFACE AT TERMINATION POINT OF ALL SIDEWALKS PER FDOT STANDARD INDEX NO. 304.
 16. CONTRACTOR SHALL VERIFY ON-SITE PRIOR TO BEGINNING WORK THE FULL EXTENT OF DEMOLITION REQUIRED BASED ON SITE PLAN. CONSTRUCTION DRAWINGS. ALL ITEMS SHALL BE INCLUDED IN BASE BID.
 17. REMOVE ALL ABOVE GROUND IMPROVEMENTS IN AREAS SHOWN FOR DEMOLITION UNLESS SPECIFICALLY IDENTIFIED OTHERWISE.
 18. SEE ARCHITECTURAL DRAWINGS FOR BUILDING LAYOUTS AND MECHANICAL/PLUMBING DWGS FOR EXACT UTILITY CONNECTION LOCATIONS.
 19. ALL SLOPES 48:1V OR STEEPER SHALL BE SOODED. ALL SLOPES STEEPER THEN 3:1V SHALL BE SOODED AND STAGED.
 20. JACK-AND-BORE OR DRILL-HOLE DRILL LENGTHS ARE APPROXIMATE BASED ON FIELD OBSERVATIONS AND AS-BUILT SURVEY DATA. CONTRACTOR SHALL VERIFY EXACT LENGTH REQUIRED PER UTILITY DESIGN. PROVIDE ADDITIONAL PIPING AND/OR DRILLING IF NECESSARY. NOTIFY ENGINEER OF ANY SIGNIFICANT DISTANCE INCREASES.
 21. NOTIFY ENGINEER MINIMUM ONE WEEK PRIOR TO POURING CONCRETE SIDEWALK FOR JOINT PLAN.
 22. PROVIDE AS-BUILT INFORMATION FIVE (5) WORKING DAYS PRIOR TO REQUEST FOR CERTIFICATE OF OCCUPANCY.
 23. PROVIDE NOTIFICATION TO CHAD SHOLTES WITH CITY OF PALM BEACH PUBLIC WORKS DIVISION AT 952-3438, 48 HOURS PRIOR TO CONSTRUCTION PLAN.
 24. ALL DISTURBED AREAS SHALL HAVE GRASS/VEGETATION ESTABLISHED PRIOR TO FINAL INSPECTION FOR THE CERTIFICATE OF OCCUPANCY.
 25. CONTACT THE TECHNICAL SERVICES BUREAU TO DETERMINE INSPECTION NEEDS FOR THIS FACILITY.
 26. DURING CONSTRUCTION AN ALL-WEATHER ACCESSIBLE ROADWAY SHALL BE MAINTAINED AT ALL TIMES FOR FIRE APPARATUS ACCESS ON ALL PAVED AREAS. SIGNAGE TO BE REQUIRED. PROVIDE COPIES OF ALL TESTING TO THE CITY OF PALM BEACH TRANSPORTATION AND DRAINAGE INSPECTOR. CONTRACTOR SHALL COORDINATE ALL TESTING AND SUBMITTAL OF TESTING RESULTS TO CITY AND ENGINEER.
 28. PROVIDE FILTER FABRIC JACKET AT JOINTS OF SD PIPING PER FDOT INDEX NO. 280. SEE TYPICAL DETAIL ON THESE PLANS.
 29. ALL UTILITY WORK TO BE DONE SHALL BE IN ACCORDANCE WITH CITY OF PALM BEACH SPECIFICATIONS UTILITIES STANDARDS AND SPECIFICATIONS MANUAL, LATEST EDITION.
 30. ALL REQUIRED FIRE LINES AND FIRE HYDRANTS SHALL BE INSTALLED AND OPERATIONAL PRIOR TO START OF CONSTRUCTION. FIRE HYDRANTS SHALL BE LOCATED NOT LESS THAN 3' AND NOT MORE THAN 8' FROM AN IMPROVED SURFACE.
 32. POINT OF SERVICE SHALL BE 5' OUTSIDE OF BUILDING, AS IDENTIFIED ON PLAN.
 33. ALL WORK IN PALM BEACH RIGHT-OF-WAY SHALL CONFORM TO LATEST EDITION OF CITY OF PALM BEACH GENERAL RIGHT-OF-WAY USE SPECIFICATIONS, CONDITIONS, AND DETAILS.
 34. PROJECT BENCHMARK IS A SET PK NAIL AND DISK ON THE SW CORNER OF THE CONCRETE HEADWALL AT THE NW CORNER OF THE PROJECT SITE, ELEVATION 30.45 FEET NAVD 29.
 35. ALL WORK IN PALM BEACH RIGHT-OF-WAY SHALL CONFORM TO LATEST EDITION OF CITY OF PALM BEACH GENERAL RIGHT-OF-WAY USE SPECIFICATIONS, CONDITIONS, AND DETAILS.
 36. ACCESS ROADS SHALL BE MAINTAINED FOR THE STREET BY THE PROJECT AND MAINTAINED.

APPROVED	DATE
WISE	3-11-02
WISE	SCALE
WISE	1"=30'
WISE	PROJ. NO.
WISE	HBA-01143
WISE	DESIGNED BY:
WISE	J. WISE
WISE	DRAWN BY:
WISE	J. WISE
WISE	CHECKED BY:
WISE	J. WISE
WISE	DRAWING NO.
WISE	C-2
WISE	SHEET
WISE	OF

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UNITED CHURCH OF CHRIST CONGREGATIONAL
MOLEMAN SUMAN ARCHITECTS, INC.
2101 WAVERLY PLACE, SUITE 100, MELBOURNE, FLORIDA 32901

GRADING AND DRAINAGE PLAN

ENGINEER OF RECORD
J. WISE
JAKE T. WISE, P.E.
LICENSE NO. 55460

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246 HAVEN PLACE SUITE 100
PALM BEACH, FLORIDA 33480
TEL: 561.840.1800 FAX: 561.840.1801

PROJECT NUMBER: 02010701

DATE: 3/11/02

SCALE: 1"=30'

PROJ. NO.: HBA-01143

DESIGNED BY: J. WISE

DRAWN BY: J. WISE

CHECKED BY: J. WISE

DRAWING NO.: C-2

SHEET: OF

NOTES: THE APPLICABLE PLANS AND/OR SPECIFICATIONS SHALL BE ASSUMED TO BE A PART FOR THE PROJECT.

DATE: 3/11/02

BY: J. WISE

DATE: 3/11/02

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