THE HENRY HOTEL REDEVELOPMENT

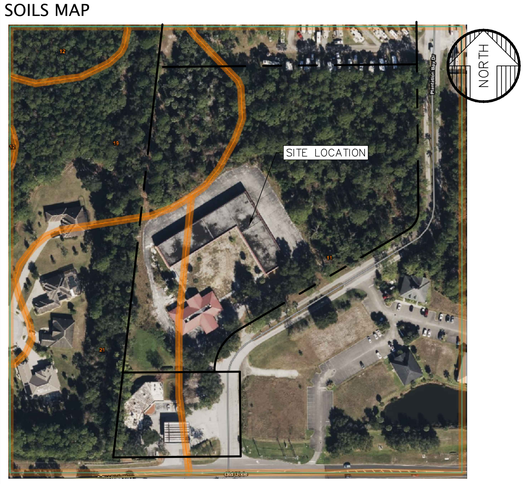
FOR REVIEW ONLY, NOT FOR CONSTRUCTION

2251 SOUTH OLD DIXIE HIGHWAY
BUNNELL, FL 32110

LOCATION MAP (N.T.S.)

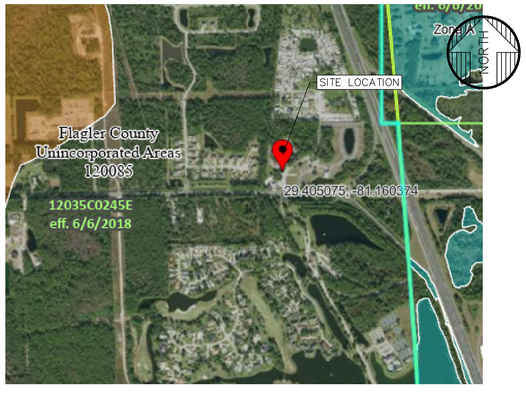
TAX PARCEL ID NUMBER: 03-13-31-0650-000A0-0091

SOILS MAP



11	MYAKKA FINE SANDS	SOIL GROUP A/D
19	VALKARIA FINE SANDS	SOIL GROUP A/D
21:	SMYRNA FINE SAND	SOIL GROUP A/D

FEMA FIRM



FLOOD ZONE"X" PER FEMA FIRM PANEL NO. 12035C0245E EFF. DATE 6/6/2018

SITE DATA:

FLOOD ZONE: "X" - 12035C0245E EFF. 6/6/2018

ZONING:
C-2 - COMMERCIAL

FUTURE LAND USE:
COMMERCIAL: HIGH INTENSITY

EXISTING USE:
VACANT HOTEL

PROPOSED USE: REDUCED UNITS EXTENDED STAY HOTEL;
RESTAURANT

SITE AREA (PHASE I): 374,193 SF (8.59 AC)

BUILDINGS

HOTEL FOOTPRINT:

FIRST FLOOR	19,762 SF
SECOND FLOOR	21,972 SF
TOTAL	41,734 SF

RESTAURANT FOOTPRINT	6,520 SF (INCLUDES OUTDOOR SEATING)
OUTDOOR SEATING	1,352 SF

BUILDING 'C' FOOTPRINT 1,883 SF

FAR CALCULATION: GROSS FLOOR AREA = 50,137 SF
FAR=50,137SF/374193 SF = 13.4%

LOT COVERAGE: TOTAL BUILDING FOOTPRINT = 28,165 SF
LOT COVERAGE=28,165SF/374193 SF = 7.5%
MAX. LOT COVERAGE ALLOWED = 35%

MAXIMUM BUILDING HEIGHT: 40'

MAX IMPERVIOUS SURFACE RATIO (ISR): 70%

EXISTING PRE DEMO IMPERVIOUS SURFACE:	88,457 SF (2.03 AC) = 23.7%
PROPOSED IMPERVIOUS SURFACE:	122,840 SF (2.82 AC)=32.8%
PROPOSED PERVIOUS SURFACE:	251,353 SF (5.77 AC) = 67.2%

PARKING:
1 SPACE PER 50 SF GROSS SEATING AREA AND 1 SPACE PER EMPLOYEE
4751 SF AND ASSUME 15 EMPLOYEES = 110 SPACES

1 SPACE PER UNIT IN HOTEL, PLUS 1 SPACE PER EMPLOYEE, ASSUME 7 EMPLOYEES ON LARGEST SHIFT.
62 UNITS = 62 SPACES + 7 SPACES FOR EMPLOYEES = 69 SPACES

TOTAL REQUIRED SPACES = 179 SPACES

174 STANDARD 10'x20' SPACES PROVIDED
7 HANDICAP SPACES PROVIDED
181 TOTAL SPACES PROVIDED

OWNER:
2251 S. OLD DIXIE HWY, LLC.
301 E. 66TH STREET, APT 6E
NEW YORK, NY 10065
201-890-8062
OBTMANAGEMENT@GMAIL.COM

ENGINEER:
THE ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
880 AIRPORT RD. STE. 113
ORMOND BEACH, FL 32174
PH. (386) 673-7640 FAX: (386) 673-3927
EMAIL: KAB@AE-GROUP.COM

SURVEYOR:
A1A EAST COAST LAND SURVEYING, LLC.
1366 US HIGHWAY 1, SUITE 602
ORMOND BEACH, FL 32174
386-672-3633
ECLS_ANTHONY@BELLSOUTH.NET

ARCHITECT:
BESPOKE GROUP, INC.
5 UTILITY DR., SUITE 2D
PALM COAST, FL 32137
386-237-0328
SEAN@BESPOKEGROUPINC.COM

LANDSCAPE ARCHITECT:
BEEBE & ASSOCIATES, INC.
138 PALM COAST PKWY NE#128
PALM COAST, FL 32137
386-931-1202
MICHAEL@BEEBEASSOCIATES.COM

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH FLAGLER COUNTY CODE REQUIREMENTS.
2. NO LAND SHALL BE CLEARED, EXCAVATED OR FILLED AND NO STRUCTURE SHALL BE ERECTED, REPAIRED OR DEMOLISHED WITHOUT PROPER PERMIT(S) AS REQUIRED BY FLAGLER COUNTY.
3. NOTIFY FLAGLER COUNTY 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
4. ANY CONSTRUCTION CHANGES TO APPROVED PLANS SHALL BE SUBMITTED TO FLAGLER COUNTY FOR APPROVAL PRIOR TO PERFORMING THE WORK.
5. ALL PROPOSED GRADED SLOPES AND DISTURBED AREA ARE TO BE SODDED.
6. UNSTABLE/UNSUITABLE MATERIALS SHALL BE REMOVED FROM CONSTRUCTION AREAS AND BACKFILLED WITH SUITABLE MATERIAL.
7. ROAD CONSTRUCTION AND PIPE INSTALLATION COMPACTION AND DENSITY TESTING SHALL CONFORM TO FLAGLER COUNTY'S MINIMUM REQUIREMENTS. CERTIFIED COPIES OF TEST REPORTS SHALL BE SUBMITTED TO FLAGLER COUNTY PUBLIC WORKS.
8. A PRE-PAVING UTILITY INSPECTION BY FLAGLER COUNTY MUST BE REQUESTED AND COMPLETED PRIOR TO THE PAVING OF ALL ROADS, STREETS, AND PARKING AREAS.
9. A FINAL INSPECTION, TO BE CONDUCTED BY FLAGLER COUNTY, SHALL BE PERFORMED ON ALL CONSTRUCTION. THE DESIGN ENGINEER SHALL NOTIFY THE COUNTY WHEN REQUESTING A FINAL INSPECTION.
10. AS-BUILT DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH FLAGLER COUNTY RULES & REGULATIONS.
11. UTILITIES ARE SHOWN BASED ON AS-BUILTS AND BEST AVAILABLE INFORMATION. CONTRACTOR SHALL LOCATE & FIELD VERIFY ALL UTILITIES PRIOR TO START OF CONSTRUCTION.
12. ALL UTILITIES SHALL BE LOCATED UNDERGROUND.
13. CONTRACTOR SHALL ATTEND A MANDATORY PRE-CONSTRUCTION MEETING W/COUNTY STAFF PRIOR TO ANY DISTURBANCE OF PROPERTY.
14. CONTRACTOR SHALL IMMEDIATELY NOTIFY DESIGN ENGINEER AND THE COUNTY OF ANY DISCREPANCIES FOUND ON THE PLANS.
15. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY WITHOUT DELAY BY TELEPHONE.
16. MAINTENANCE OF TRAFFIC WILL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", & THE CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROAD CONSTRUCTION.
17. A MINIMUM OF ONE (1) COMPACTION TEST PER 5,000 SQUARE FEET OF PARKING AREA IS REQUIRED. A COPY OF THE TEST REPORTS SHALL BE GIVEN TO FLAGLER COUNTY'S DESIGNATED INSPECTOR.
18. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION TO ELIMINATE ANY FLOODING OF PRIVATE PROPERTY.
19. CONSTRUCTION SHALL INCLUDE REPLACING, WITH MATCHING MATERIALS, THE DRIVEWAYS, WALKS, MAILBOXES, CURBS AND LANDSCAPING THAT ARE DAMAGED OR REMOVED DUE TO CONSTRUCTION, THIS WORK SHALL BE COORDINATED WITH PROPERTY OWNERS.
20. ALL STORM SEWER LINES AND INLETS SHALL BE CLEANED OF DEBRIS AND ERODED MATERIALS AT LAST STAGES OF CONSTRUCTION.
21. ANY DRAINAGE PROBLEMS CREATED BY CONSTRUCTION OR EXISTING BEFORE CONSTRUCTION AND NOT ALLEVIATED SHOULD BE BROUGHT TO THE ATTENTION OF FLAGLER COUNTY AND THE DESIGN ENGINEER.
22. ANY CONSTRUCTION CHANGES TO APPROVED PLANS SHALL BE SUBMITTED TO FLAGLER COUNTY FOR APPROVAL PRIOR TO PERFORMING THE WORK.
23. ALL PAVEMENT MARKINGS AND STRIPING WITHIN THE RIGHTS-OF-WAY SHALL BE THERMOPLASTIC AND WILL BE INSTALLED IN ACCORDANCE WITH THE FDOT STANDARD PLANS INDEX #711-001, LATEST EDITION.
24. UTILITY PROVIDER IS FGUA

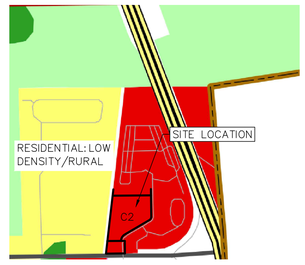
UTILITY NOTES

1. UTILITY PROVIDER IS FGUA
2. PROTECT ALL UTILITY SYSTEMS AT ALL TIMES DURING CONSTRUCTION. SHOULD A SYSTEM BECOME DAMAGED, ALTERED OR EXTENDED AFTER THE INITIAL TESTING, THE AFFECTED PORTION OF THE SYSTEM SHALL BE RESTORED AS NECESSARY AND RETESTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
3. MAINTAIN MINIMUM COVER AND SEPARATION BETWEEN UTILITIES TO MEET FLAGLER COUNTY AND FDEP STANDARD REQUIREMENTS OVER ALL NEW UTILITY MAINS, UNLESS OTHERWISE SPECIFIED.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. AND FOR NOTIFYING THE VARIOUS UTILITY COMPANIES TO MAKE NECESSARY ARRANGEMENTS FOR ANY RELOCATION, TEMPORARY DISRUPTION OF SERVICE, OR CLARIFICATION OF ACTIVITY REGARDING SAID FACILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE DRAWINGS OR FIELD LOCATED. ALL UTILITIES WHICH INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE RELOCATED BY THE RESPECTIVE UTILITY COMPANIES, AND THE CONTRACTOR SHALL COOPERATE WITH THEM DURING RELOCATION OPERATIONS. CONTRACTOR SHALL CALL "SUNSHINE STATE ONE CALL" AT 1-800-SUNSHINE (432-4770) BEFORE BEGINNING WORK.
5. CONTRACTOR SHALL FOLLOW ALL APPLICABLE FDEP RULES, ALONG WITH ANY APPLICABLE UTILITY PROVIDERS RULES AND REGULATIONS.
6. LOCATION OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY.
7. NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE BOTTOM OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS ANO GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER. NEW OR RELOCATED UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY- OR VACUUM-TYPE SANITARY SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LIEAST SIX INCHES, AND PREFERABLY TWELVE INCHES, ABOVE OR AT LEAST TWELVE BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.

   AT THE UTILITY CROSSINGS DESCRIBED ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610 F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY- OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
8. ALL UTILITIES TO BE LOCATED UNDERGROUND.

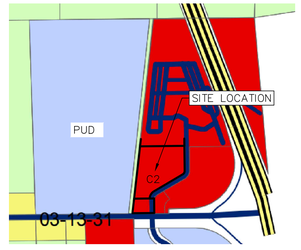
Sheet List Table	
Sheet Number	Sheet Title
C001	COVER
C002	DEMOLITION AND EROSION CONTROL PLAN
C003	DIMENSION PLAN
C004	GRADING PLAN
C005	UTILITY PLAN
C006	DETAILS
C007	DETAILS
C008	DETAILS
C009	DETAILS
C010	DETAILS
C011	DETAILS
C012	DETAILS
C013	DETAILS
C014	DETAILS
C015	DETAILS

FLU MAP



FLU: COMMERCIAL: HIGH INTENSITY

ZONING MAP



ZONING: C-2, COMMERCIAL

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
ORMOND BEACH, FL 32174
TEL: (386) 673-7640
FAX: (386) 673-3927

THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
COVER

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER	KAB	DRAWN BY	XXX
FILE	2405-1	PROJECT	2405-1
DATE	2-26-2024	SCALE	AS NOTED

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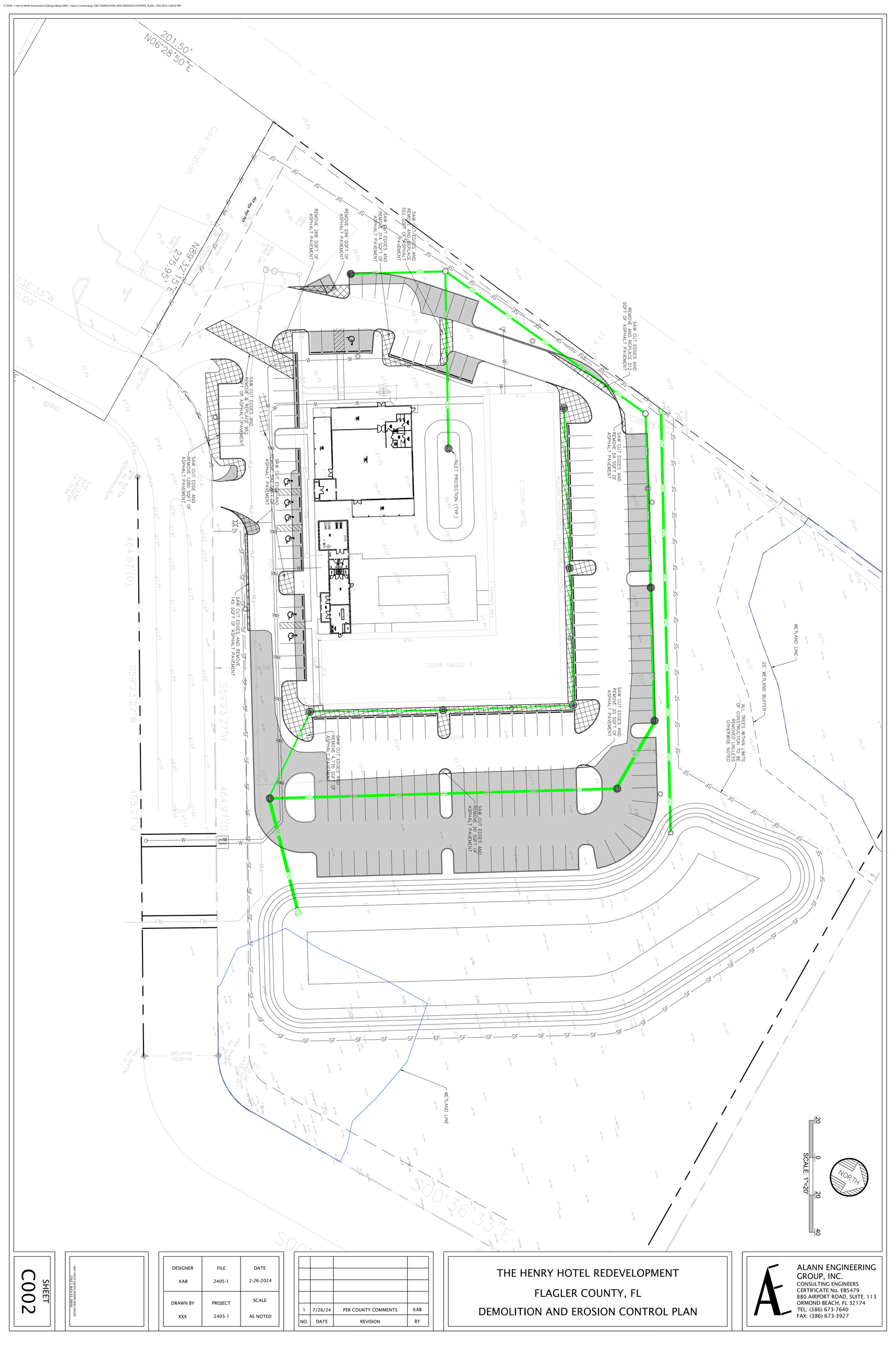
COLE T. BUCK P.E. 88690

SHEET
C001

P:\2405-1 Henry Motel Renovations\Design\Base\cover.dwg, C001 COVER, 7/25/2024 1:08:33 PM



SHEET
C002

DESIGNER	FILE	DATE
KAB	2405-1	2-26-2024
DRAWN BY	PROJECT	SCALE
XXX	2405-1	AS NOTED

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DEMOLITION AND EROSION CONTROL PLAN

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
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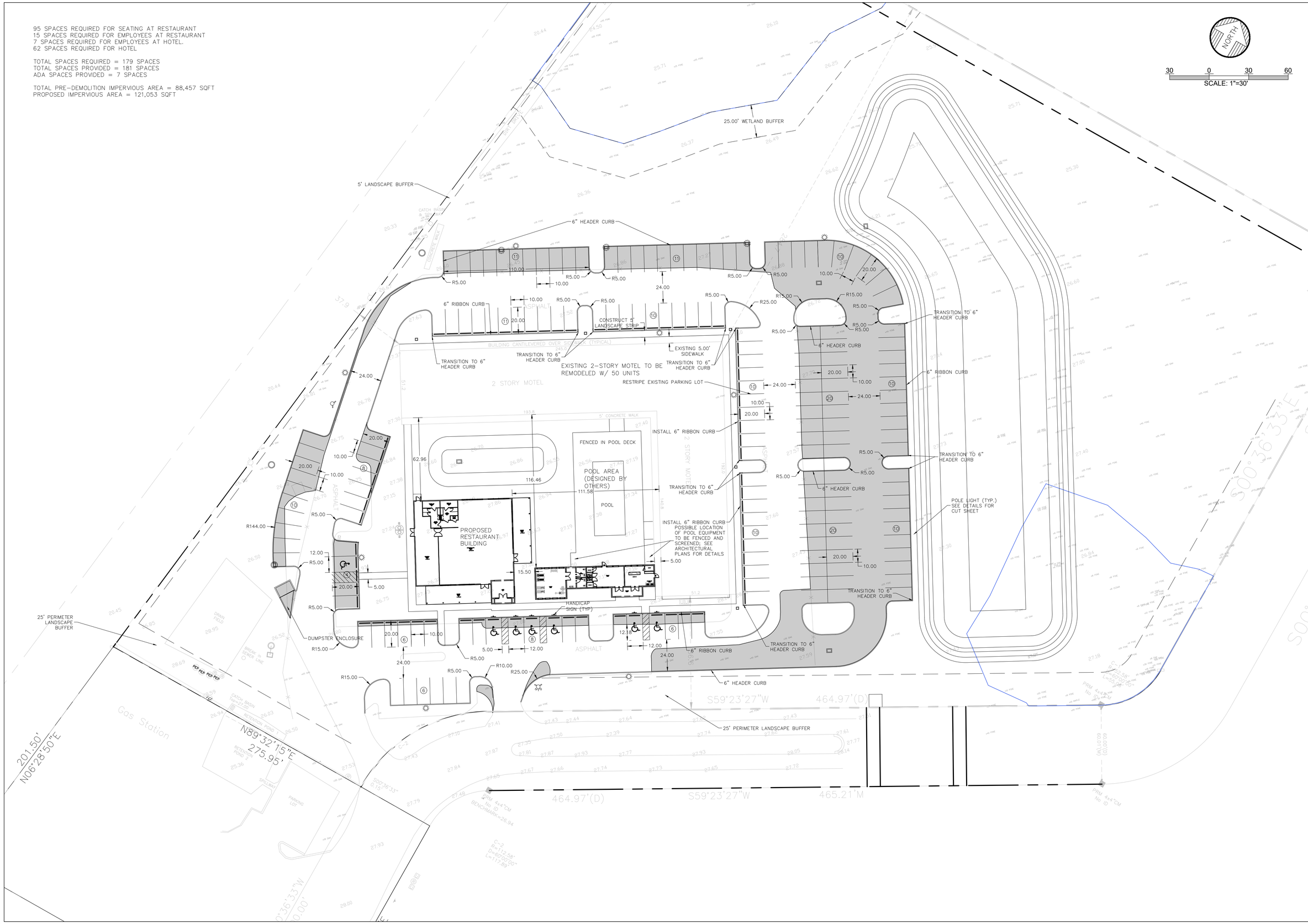
FAX: (386) 673-3927

95 SPACES REQUIRED FOR SEATING AT RESTAURANT
15 SPACES REQUIRED FOR EMPLOYEES AT RESTAURANT
7 SPACES REQUIRED FOR EMPLOYEES AT HOTEL.
62 SPACES REQUIRED FOR HOTEL

TOTAL SPACES REQUIRED = 179 SPACES
TOTAL SPACES PROVIDED = 181 SPACES
ADA SPACES PROVIDED = 7 SPACES

TOTAL PRE-DEMOLITION IMPERVIOUS AREA = 88,457 SQFT
PROPOSED IMPERVIOUS AREA = 121,053 SQFT



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FAX: (386) 673-3927

THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DIMENSION PLAN

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER: KAB	DATE: 2.26.2024
DRAWN BY: XXX	SCALE: AS NOTED
FILE: 2405-1	PROJECT: 2405-1

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COLE T. BUCK P.E. 88590

SHEET
C003

DESIGNER	FILE	DATE
KAB	2405-1	2-26-2024
DRAWN BY	PROJECT	SCALE
XXX	2405-1	AS NOTED

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

THE HENRY HOTEL REDEVELOPMENT

FLAGLER COUNTY, FL

GRADING PLAN

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
ORMOND BEACH, FL 32174
TEL: (386) 673-7640
FAX: (386) 673-3927

SHEET
C004

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C001, C, BLOCK X (MIN)

NORTH

30 0 30 60

SCALE: 1"=30'

NOTE:
1. EXISTING WELL TO BE ABANDONED.
2. CONNECT EXISTING SERVICES TO PROPOSED 2" DOMESTIC WATER
3. EXISTING SEPTIC TANK AND DRAINFIELD TO BE ABANDONED.
4. CONNECT EXISTING SANITARY SERVICES TO PROPOSED GRAVITY MANHOLE AND GRINDER STATION
5. CONTRACTOR TO CALL FOR FIELD LOCATES BEFORE ANY UTILITY WORK IS STARTED.
6. SAVE EXISTING TREES ON GAS STATION PROPERTY WHERE POSSIBLE. IF TREES CANNOT BE SAVED, REPLACE PER COUNTY LDC.

2" BLOWOFF ASSEMBLY
6"x2" REDUCER
CONNECT 6" FIRE TO BUILDING FOR SPRINKLER SYSTEM
FDC
2 STORY MOTEL
5' CONCRETE WALK
CONNECT SANITARY SEWER SERVICE
CONNECT DOMESTIC SERVICE
GREASE INTERCEPTOR IS SCHIER GI-1000, SIZE 92"x73-3/4", SEE DETAIL ON SHEET C014
CONNECT SANITARY SEWER SERVICE
CONNECT DOMESTIC SERVICE
EXISTING SEPTIC AND DRAIN FIELD WHICH SERVES EXISTING GAS STATION TO REMAIN (CONTRACTOR TO FIELD VERIFY LOCATION AND ENSURE IT IS PROTECTED DURING CONSTRUCTION)
CONNECT EXISTING SEPTIC CONNECTIONS TO PROPOSED MANHOLE AND GRINDER STATION
PROPOSED GRINDER STATION
FIRE HYDRANT ASSEMBLY
6" FIRE FLOW ASSEMBLY
2" METER & BACK FLOW PREVENTER
8"x2"x6" TEE
Gas Station
201.50'
N06°28'50"E
N89°32'15"E
275.95'
S59°23'27"W
464.97'(D)
S59°23'27"W
465.21'M
DIRECTION DRILL APPROXIMATELY 40' OF 10" HDPE
CONNECT 4" FM TO EXISTING 6" FM IN LIFT STATION EASEMENT W/ 4"x6" TAPPING SLEEVE AND VALVE CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING FM IN ROW BEFORE CONNECTION
PRM 4x4"CM No. ID BENCHMARK=28.94
C-2 R=112.58' Δ=090°00'00" L=117.89
N00°36'33"W
200.00'
S00°36'33"E
200.00'
S89°31'56"W
300.56'
S00°36'33"E
200.00'
S89°31'56"W
60.00'
199.60'
S00°36'33"E
68.82'c
CONNECT 8" WATER MAIN TO EXISTING MAIN IN ROW WITH 8"x8" TAPPING SLEEVE AND VALVE CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING WATER MAIN IN ROW PRIOR TO DIRECTIONAL DRILL
RETENTION
UNDERGROUND ELEC. BOX
GAS SIGN
OVERHEAD ELEC
BUILDING CANTILEVERED OVER SIDEWALK (TYPICAL)
ASPHALT
CATCH BASIN
CURB INLET
SPLASH
PARKING LOT
DRAIN FIELD
BREAK SHEET LINE

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THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
UTILITY PLAN

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER KAB	FILE 2405-1	DATE 2-26-2024	SCALE AS NOTED
DRAWN BY XXX	PROJECT 2405-1		

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COLE T. BUCK P.E. 88690

SHEET
C005

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POTABLE AND RAW WATER MAINS GENERAL NOTES

SHEET 1 OF 2

1. ALL PIPELINE MATERIAL AND INSTALLATION SHALL CONFORM TO THE FLAGLER COUNT STANDARDS, CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.

2. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.

3. ALL UTILITY OWNERS AND SUNSHINE STATE ONE CALL (800) 432–4770 MUST BE NOTIFIED SEVENTY–TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION.

4. THE CONTRACTOR SHALL NOTIFY FIBEROPTICS COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBEROPTIC CABLE IS LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.

5. ALL PIPING AND/OR APPURTENANCES CONNECTING TO ADJACENT CONSTRUCTION SHALL BE PLUGGED IF ADJACENT WORK HAS NOT BEEN COMPLETED.

6. CONTRACTOR SHALL PROVIDE TEMPORARY THRUST RESTRAINTS, BRACING, TEST PLUGS AND/OR OTHER DEVICES NECESSARY TO SUCCESSFULLY COMPLETE PRESSURE TESTING OF ALL PRESSURE PIPING SYSTEMS.

7. ALL FITTINGS FOR BURIED PIPING 4–INCH AND LARGER, SHALL BE COMPACT DUCTILE IRON MECHANICAL JOINT (D.I.M.J) BITUMEN COATED EXTERIOR, APPLIED PER ANSI/AWWA A21.53/C153 UNLESS NOTED OTHERWISE. THESE FITTINGS SHALL INCORPORATE RESTRAINING RINGS, MEGA–LUGS OR OTHER APPROVED EQUIVALENT MECHANICAL DEVICES.

8. ALL BURIED PIPING SPECIFIED FOR PRESSURE SERVICE SHALL BE PROVIDED WITH RESTRAINING DEVICES AT ALL DIRECTIONAL CHANGES, UNLESS NOTED OTHERWISE.

9. ALL PROPOSED DUCTILE IRON PIPE, FITTINGS AND RESTRAINTS WITHIN FIFTY (50) FEET OF AN EXISTING GAS MAIN SHALL BE POLYETHYLENE ENCASED.

10. ALL FASTENERS SHALL BE MANUFACTURED OF NON–CORROSIVE MATERIALS. WHEN STAINLESS STEEL IS REQUIRED, 304 S.S. SHALL BE USED FOR ALL BURIED APPLICATIONS AND 316 S.S. SHALL BE USED FOR ABOVE GROUND OR CORROSIVE ENVIRONMENTS.

11. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM EXISTING UTILITY RECORDS AND ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, DEPTH AND CHARACTER OF ALL UTILITIES PRIOR TO EXCAVATION IN ORDER TO PROTECT THEM DURING CONSTRUCTION.

12. WHERE MINIMUM SEPARATION BETWEEN UTILITIES IS REQUIRED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

13. CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE FORTY–EIGHT (48) HOURS IN ADVANCE OF THE PROPOSED WORK. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY FLAGLER COUNTY IMMEDIATELY. INFORMATION ON THE OBSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.

14. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS–OF–WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS–OF–WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.

15. THE CONTRACTOR SHALL REPLACE SOD 3 FEET FROM ALL DISTURBED AREAS: STRUCTURES, SIDEWALKS, ROADS, AND POND IMPROVEMENT AREAS. ALL OTHER DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE DRAWINGS.

16. THE CONTRACTOR SHALL REPLACE, BUT NOT BE LIMITED TO, PAVING, STABILIZED EARTH, DRIVEWAYS OR ANY ITEMS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR IT'S RELATED ACTIVITIES. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY FLAGLER COUNTY.

17. THE DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

18. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.

19. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD), 1988.

20. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS WORK WITH THE WORK SCHEDULE OF ADJACENT CONTRACTORS AS WELL AS THE OPERATIONS STAFF OF FLAGLER COUNTY.

21. THE CONTRACTOR SHALL NOTIFY FLAGLER COUNTY 72 HOURS BEFORE COMMENCING WITH CONSTRUCTION.

22. PIPE MEASUREMENTS SHALL BE CENTER TO CENTER OF FITTINGS OR VALVES.

23. PVC PIPE LESS THAN 2–INCHES SHALL CONFORM TO ASTM D1785. THREADED PIPE AND FITTINGS SHALL BE SCH. 80 AND CONFORM TO ASTM D2464. UNTHREADED PIPE AND FITTINGS SHALL BE SCH. 40 WITH SOLVENT CEMENTED JOINTS. CEMENTED JOINTS AND FITTINGS SHALL COMPLY WITH ASTM D2466 AND D2855.

24. 2", 2 1/2" AND 3" PVC PIPE SHALL CONFORM TO ASTM D2241. PIPE SHALL BE FURNISHED IN 20–FOOT LENGTHS, SHALL HAVE DIMENSION RATIO (DR21) AND A WATER PRESSURE RATING OF 200 PSI.

25. PVC PIPE 4–INCHES THROUGH 48–INCHES SHALL CONFORM TO AWWA STANDARD C900 (DR18)

26. DUCTILE IRON PIPE SHALL CONFORM TO AWWA STANDARD C151, PRESSURE CLASS 350 FOR 4–INCH THROUGH 12–INCH DIAMETER PIPE; PRESSURE CLASS 250 FOR PIPE LARGER THAN 12–INCHES IN DIAMETER UNLESS NOTED OTHERWISE.

27. VALVES FOR POTABLE WATER MAINS SHALL BE DUCTILE IRON (D.I.) EPOXY COATED GATE VALVES OR BUTTERFLY VALVES. VALVES FOR RAW WATER MAINS SHALL BE DUCTILE IRON (D.I.) EPOXY COATED GATE VALVES ONLY. SEE SPECIFICATIONS FOR DETAILS.

28. ALL POLYETHYLENE PRESSURE PIPE AND FITTINGS 4–INCH AND LARGER SHALL CONFORM TO AWWA STANDARD C906 (DR11) PRESSURE CLASS 160 AND ASTM STANDARD D3350, D2837 PE 3408.

POTABLE AND RAW WATER MAIN GENERAL NOTES	SCALE: NONE	########
		REVISED 8/20

POTABLE AND RAW WATER MAINS GENERAL NOTES

SHEET 2 OF 2

29. ALL POLYETHYLENE PIPE FOR SERVICE TUBING SHALL CONFORM TO AWWA STANDARD C901 (DR9) PRESSURE CLASS 200 AND STANDARD D2737 PE 3408.

30. ALL PIPE AND POLYETHYLENE SERVICE TUBING SHALL BEAR THE NATIONAL SANITATION FOUNDATION (NSF) SEAL OF APPROVAL FOR POTABLE WATER SERVICE.

31. FITTINGS FOR BOTH PVC AND DUCTILE IRON PIPE SHALL BE DUCTILE IRON COMPACT FITTINGS CONFORMING TO THE REQUIREMENTS OF ANSI/AWWA C153/A21.53.

32. DUCTILE IRON PIPE AND FITTINGS SHALL HAVE A CEMENT MORTAR INTERIOR LINING CONFORMING TO THE REQUIREMENTS OF ANSI/AWWA A21.4/C104. DUCTILE IRON PIPE AND FITTINGS FOR RAW WATER SHALL INCORPORATE A DOUBLE LINING OF THE CEMENT MORTAR ON THE INTERIOR SURFACE.

33. PROPER BACKFLOW PREVENTION ASSEMBLIES SHALL BE PROVIDED IN ACCORDANCE WITH RULE 62–555.360, F.A.C. AND AWWA MANUAL M14, "BACKFLOW PREVENTION AND CROSS CONNECTION CONTROL" AND THE FLAGLER COUNTY "CROSS CONNECTION CONTROL MANUAL" (LATEST EDITION).

34. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED AND DISINFECTED IN ACCORDANCE WITH AWWA STANDARDS, LATEST REVISIONS. HYDROSTATIC TESTING FOR PVC MAINS SHALL BE 150 PSI FOR MINIMUM OF 2 HOURS AND MEET AWWA STANDARD C605. DUCTILE IRON MAINS SHALL BE TESTED AT 150 PSI FOR 2 HOURS PER AWWA C600. ALL NEW MAINS SHALL BE DISINFECTED PER AWWA STANDARD C651. BACTERIOLOGICAL TESTS FOR 2 CONSECUTIVE DAYS SHALL BE APPROVED PRIOR TO PLACING SYSTEM INTO SERVICE.

35. PVC POTABLE WATER MAINS SHALL BE SOLID BLUE IN COLOR. DUCTILE IRON WATER MAINS SHALL INCORPORATE 3 BLUE STRIPES, PAINTED AT THE TOP AND SIDES OF THE PIPE, ALONG IT'S ENTIRE LENGTH.

36. PVC RAW WATER MAINS SHALL BE SOLID BLUE IN COLOR. DUCTILE IRON RAW WATER MAINS SHALL INCORPORATE 3 WHITE STRIPES, PAINTED AT THE TOP AND SIDES OF THE PIPE, ALONG IT'S ENTIRE LENGTH.

37. ALL POTABLE AND RAW WATER MAINS SHALL BE INSTALLED WITH THE MINIMUM VERTICAL/HORIZONTAL SEPARATION FROM ALL EXISTING AND/OR PROPOSED SANITARY, STORM AND REUSE WATER PIPING AS REQUIRED BY FDEP RULES. CONFLICTS BETWEEN REUSE WATER MAINS, STORM AND SANITARY SEWER SYSTEMS, FORCE MAINS AND PROPOSED POTABLE OR RAW WATER MAINS SHALL BE RESOLVED BY ADJUSTING THE PROPOSED POTABLE/RAW WATER MAIN. SEE "UTILITY SEPARATION DETAIL" AND ACCOMPANYING NOTES AS SHOWN ON STANDARD DETAIL (SD) SHEETS OF THIS PLAN SET.

38. ALL WATER MAINS SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING THE BACKFILLING 12 INCHES ABOVE AND DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION – WATER MAIN BURIED BELOW". THE TAPE SHALL BE PLASTIC, NON–METALLIC AND BE BLUE IN COLOR FOR POTABLE WATER OR WHITE FOR RAW WATER.

39. ALL WATER MAINS INSTALLED BY OPEN CUT SHALL BE CONTINUOUSLY UNDERLAIN WITH 10 GAGE SINGLE STRAND, THWN SOLID COPPER CLAD STEEL MARKING WIRE. THE WIRE SHALL INCORPORATE A 30MIL HDPE JACKET AND SHALL BE BLUE INSULATION FOR POTABLE WATER OR WHITE INSULATION FOR RAW WATER; INSTALLATION SHALL CONFORM TO THE DETAIL DRAWINGS. TRACING WIRE SHALL HAVE A BREAK LOAD OF 513 LBS.

40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND ACCOUNTING FOR AS WELL AS RECONNECTING ALL SERVICE CONNECTIONS AFFECTED BY THE PROPOSED WATER MAIN INSTALLATION.

41. RE–USE EXISTING VALVES AND FITTINGS WHERE CONDITIONS ALLOW AND WHICH HAVE BEEN DETERMINED TO BE IN GOOD CONDITION AND IN WORKING ORDER. FLAGLER COUNTY WILL MAKE THE DECISION REGARDING THE INCORPORATION OF USED MATERIAL INTO THE WORK.

42. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL TO FLAGLER COUNTY PRIOR TO PROCUREMENT.

43. ALL NEW WATER MAINS SHALL BE INSTALLED WITH A MINIMUM OF 3'–0" OF COVER, UNLESS NOTED OTHERWISE.

44. THE CONTRACTOR SHALL VIDEO THE ENTIRE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION. ONE COPY OF THE PRE–CONSTRUCTION VIDEO SHALL BE SUBMITTED TO FLAGLER COUNTY.

45. IT IS THE INTENT OF THIS CONTRACT FOR THE CONTRACTOR TO MAINTAIN CONTINUOUS RESTORATION BEHIND THE UTILITY WORK ON A DAILY BASIS. NO MORE THAN FIFTY (50) LINEAR FEET OF UNRESTORED LINE WORK SHALL REMAIN AT THE END OF EACH WORK DAY.

46. THE CONTRACTOR SHALL SUBMIT TO FLAGLER COUNTY, A CONSTRUCTION SCHEDULE ADDRESSING THE INTERRUPTION OF SERVICE IN THE POTABLE WATER DISTRIBUTION SYSTEM. IT IS THE INTENT OF THE CONTRACT FOR THE CONTRACTOR TO FIELD INVESTIGATE ALL POSSIBLE METHODS TO ELIMINATE OR MINIMIZE INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS. UNDER NO CIRCUMSTANCES SHALL THE CONSTRUCTION ACTIVITIES RESULT IN A SYSTEM PRESSURE OF LESS THAN 20 P.S.I.

47. ALL CONNECTIONS TO WATER MAINS SHALL BE MADE BY THE CONTRACTOR ONLY AFTER THE CONNECTION PROCEDURE AND HIS WORK SCHEDULE REGARDING THIS ACTIVITY ARE REVIEWED AND APPROVED BY FLAGLER COUNTY. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE OWNER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO COMMENCEMENT OF CONNECTION ACTIVITIES. IN THE REQUEST, THE CONTRACTOR SHALL OUTLINE THE FOLLOWING:

A. POINTS OF CONNECTION, FITTINGS TO BE USED AND METHOD OF FLUSHING AND DISINFECTION.

B. ESTIMATED CONSTRUCTION TIME FOR SAID ACTIVITY.

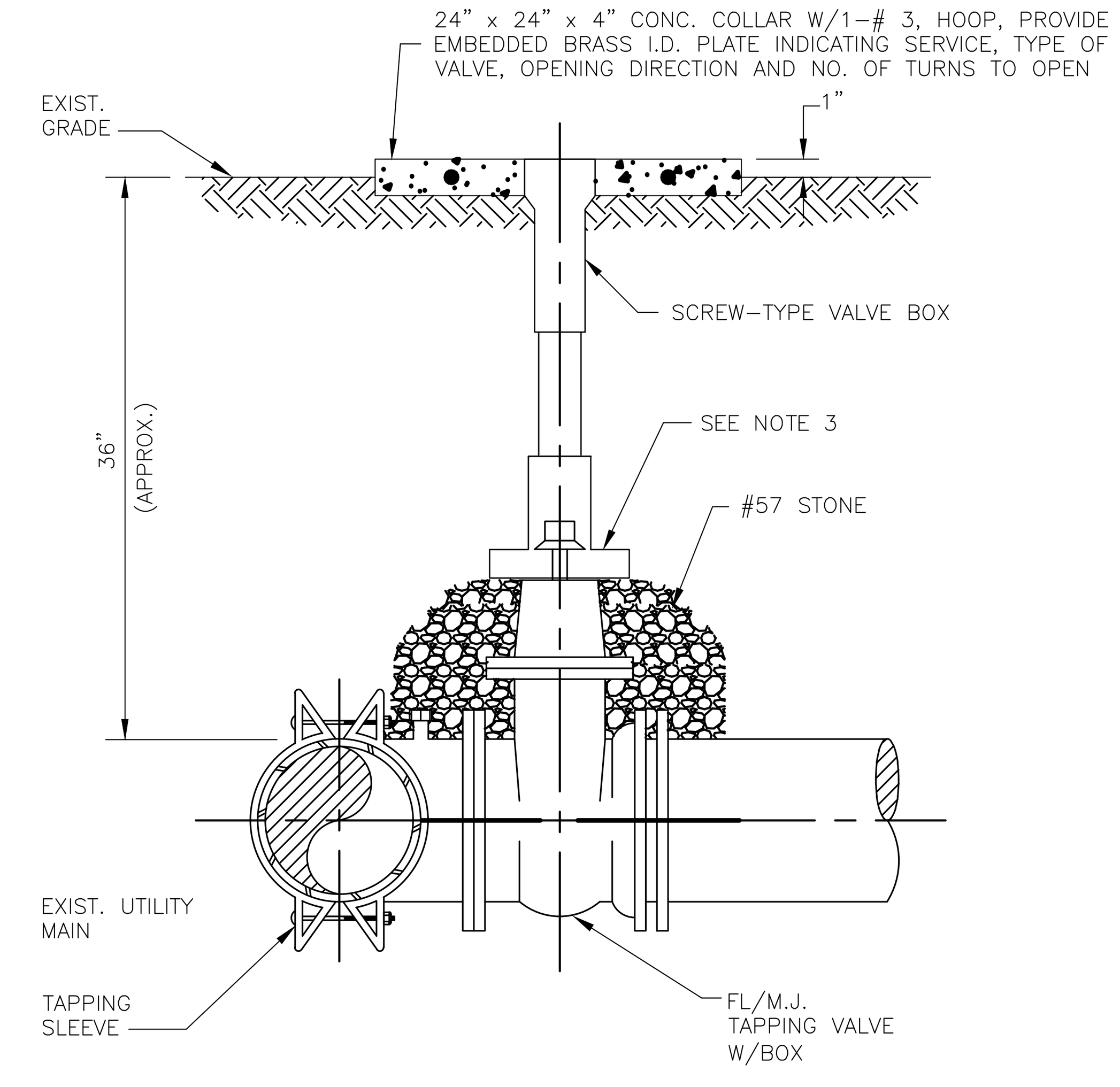
C. POSSIBLE SYSTEM PRESSURE LOSS.

FLAGLER COUNTY SHALL REVIEW THE SUBMITTAL AND INFORM THE CONTRACTOR REGARDING APPROVAL OR DENIAL OF THEIR REQUEST. IF THEIR REQUEST IS REJECTED BY THE COUNTY, THE CONTRACTOR MAY RESUBMIT THEIR REQUEST MODIFYING IT TO THE SATISFACTION OF THE OWNER. ALL CONNECTIONS SHALL ONLY BE MADE ON THE AGREED UPON TIME AND DATE OR RESCHEDULE. THE CONTRACTOR SHALL NOT OPERATE ANY VALVES IN THE SYSTEM.

48. THREE (3") INCH AND LARGER BURIED UTILITY MAINS TO BE ABANDONED IN PLACE, SHALL BE CUT, PLUGGED AND FILLED WITH GROUT.

49. TWO–INCH (2") AND SMALLER METER/BACKFLOW DEVICES WILL BE SUPPLIED BY THE CITY AND INSTALLED BY THE DEVELOPER. DEVICES LARGER THEN TWO INCH SHALL BE SUPPLIED AND INSTALLED BY THE DEVELOPER.

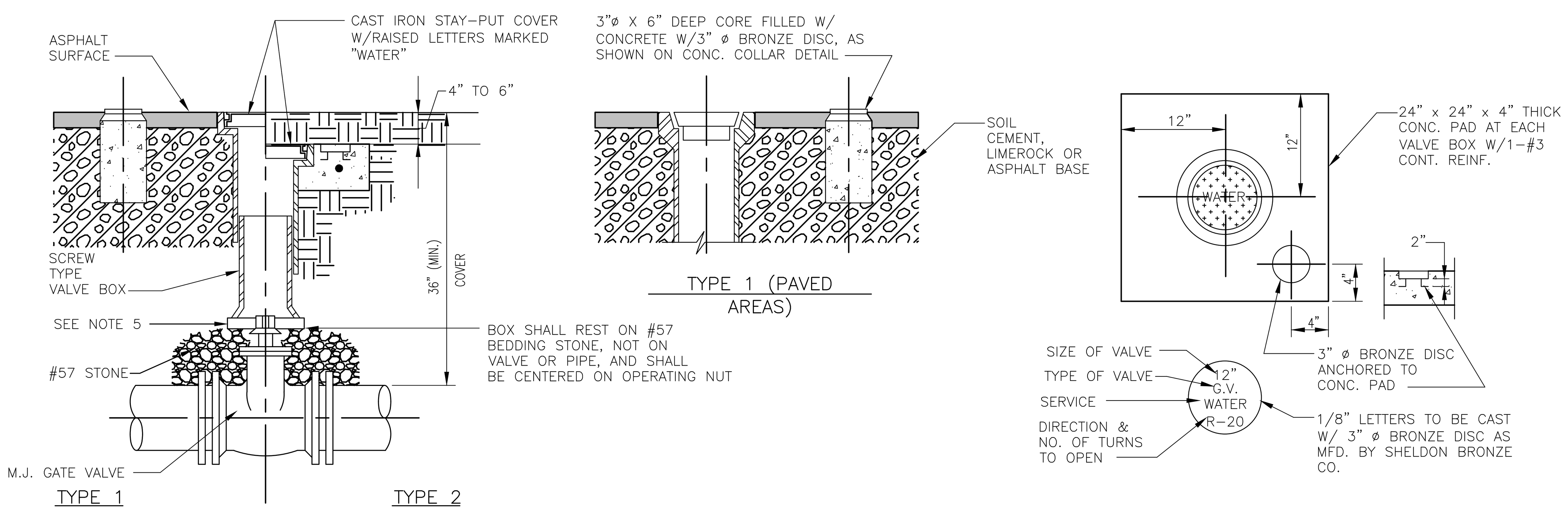
POTABLE AND RAW WATER MAIN GENERAL NOTES	SCALE: NONE	FIG. W–2
		REVISED 8/19

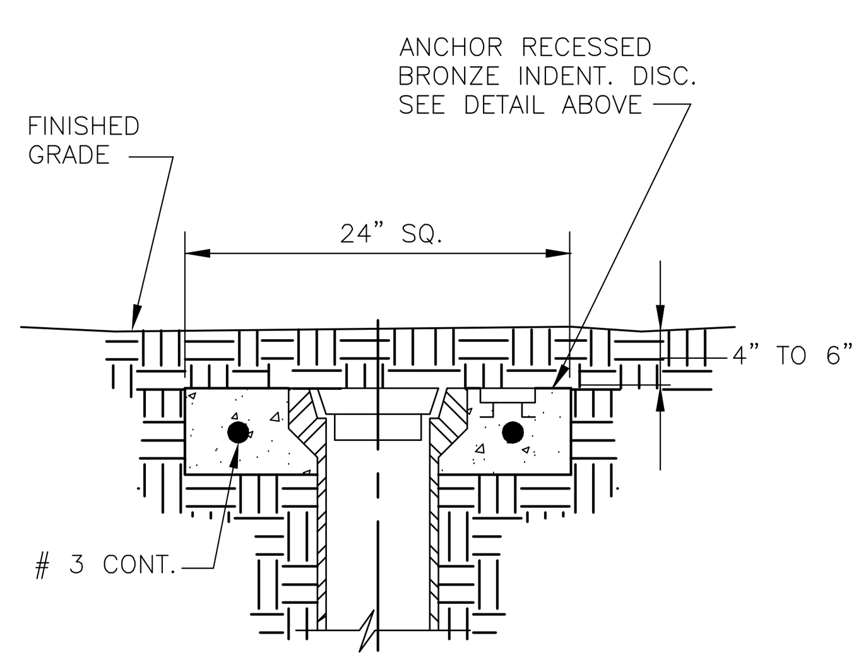


NOTES:

1. RESILIENT WEDGE GATE VALVE SHALL BE EPOXY COATED.
2. TAPPING SLEEVES SHALL BE STAINLESS STEEL.
3. SELF–CENTERING ALIGNMENT RING EQUIVALENT TO AMERICAN FLOW CONTROL.

WET TAP DETAIL	SCALE: NONE	FIG. W–16
		REVISED 1/08



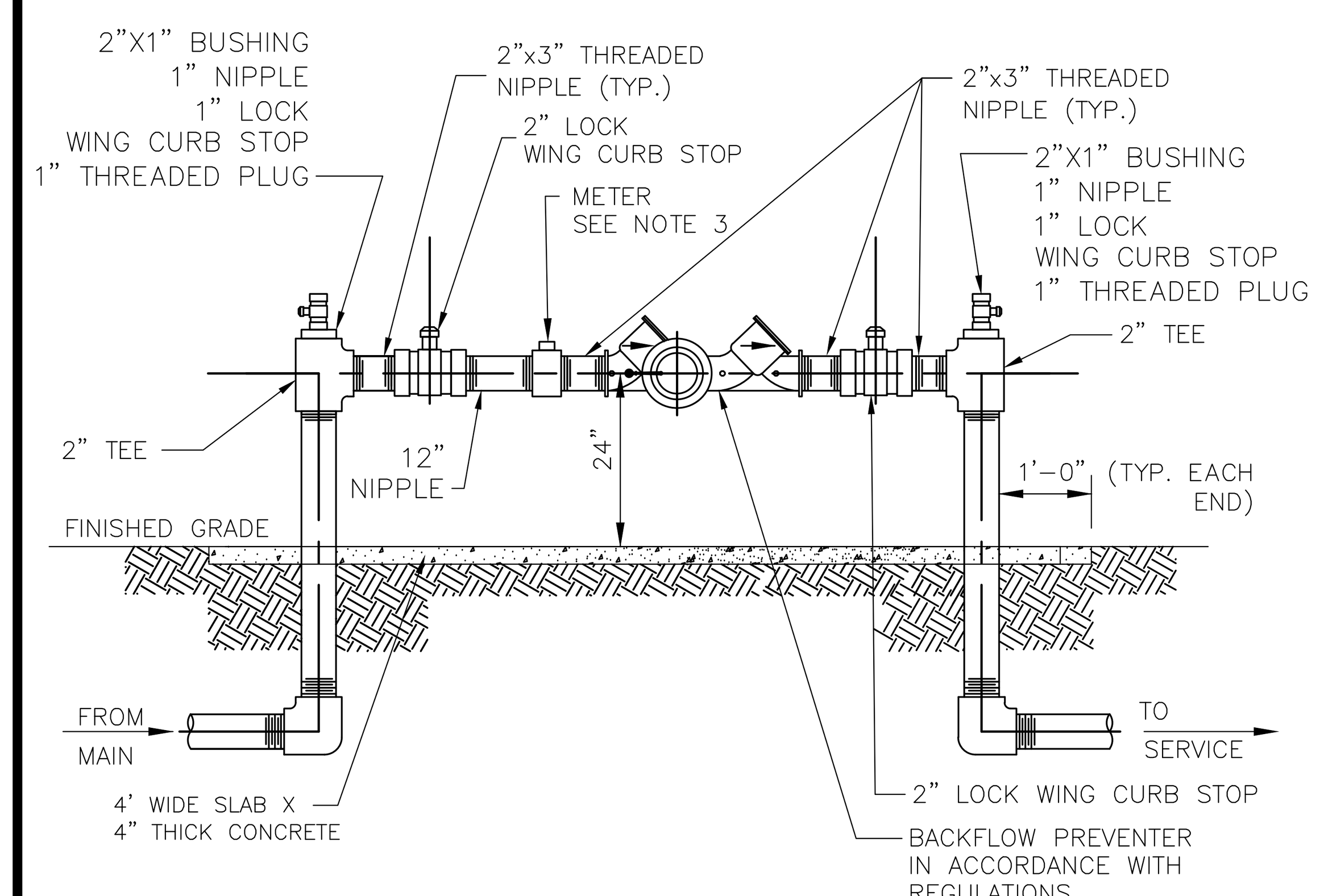


TYPE 2 (NON–PAVED AREAS)

NOTES:

1. GATE VALVES SHALL BE DUCTILE IRON RESILIENT WEDGE TYPE, RATED AT 200 P.S.I. AND SHALL COMPLY WITH ANSI/AWWA C509.
2. WHERE AN EXTENSION IS REQUIRED, A 6" SDR 35 PVC EXTENSION SHALL BE USED ON VALVE BOX INSTALLATION.
3. VALVE COVER SHALL BE PAINTED BLUE FOR POTABLE WATER MAINS, WHITE FOR RAW WATER MAINS.
4. CONCRETE COLLAR SHALL BE CAST–IN–PLACE; PRECAST CONCRETE IS NOT ACCEPTABLE.
5. SELF CENTERING ALIGNMENT RING EQUIVALENT TO AMERICAN FLOW CONTROL.
6. VALVES 16" AND LARGER SHALL BE INSTALLED HORIZONTALLY AND SHALL BE EQUIPPED WITH A BEVEL GEAR OPERATING NUT.
7. VALVES 18" AND LARGER SHALL INCLUDE A NRS BYPASS VALVE.

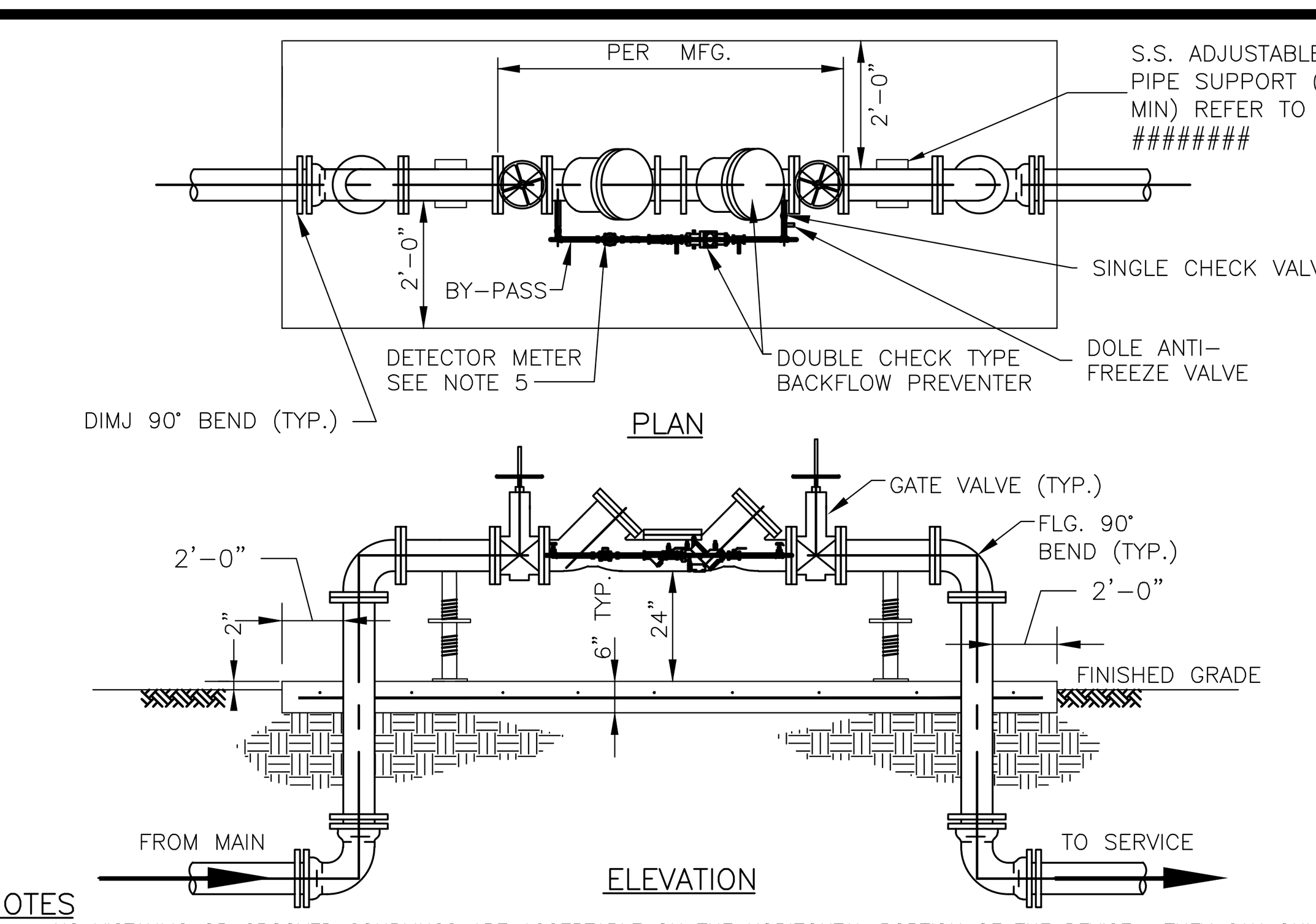
GATE VALVE & BOX DETAIL - POTABLE AND RAW WATER	SCALE: NONE	########
		REVISED 8/20



NOTES:

1. ALL PIPE, VALVES AND FITTINGS 2" AND SMALLER SHALL BE THREADED BRASS.
2. SEE FIG. W–24 FOR A LISTING OF MANUFACTURERS AND MODEL NO'S FOR THE BACKFLOW PREVENTER.
3. METERS SHALL INCLUDE ENCODED ELECTRONIC REGISTER HEADS. 1" AND SMALLER METERS: 10 GALLON TRPL REGISTER; 1 1/2" AND LARGER METERS: 100 GALLON TRPL REGISTER.
4. SETBACK DISTANCE FOR SHRUBBERY FROM EDGE OF CONCRETE SLAB SHALL BE 3 FEET.

WATER METER / REDUCED PRESSURE BACKFLOW DEVICE DETAIL: 2-INCH SINGLE SERVICES AND SMALLER	SCALE: NONE	########
		REVISED 2/16



NOTES

1. NO VICTAULIC OR GROOVED COUPLINGS ARE ACCEPTABLE ON THE HORIZONTAL PORTION OF THE DEVICE. THEY CAN ONLY BE USED FOR THE ACCESS PLATE TO THE CHECK VALVES.

2. ALL ABOVE GRADE GATE VALVES SHALL BE RESILIENT WEDGE, HAND WHEEL, OUTSIDE STEM & YOKE TYPE.

3. ALL ABOVE GRADE PIPING 3 INCHES IN DIA. & LARGER SHALL BE DUCTILE IRON WITH FLANGED ENDS, CLASS 53. ALL BELOW GRADE PIPING SHALL BE DIMJ W/ RESTRAINING TYPE DEVICES, MEGA–LUG OR APPROVED EQUAL. PIPING SMALLER THAN 3 INCHES SHALL BE BRASS.

4. ALL ASSEMBLIES SHALL HAVE A 6" (MINIMUM) THICK CONCRETE SLAB, 4000 PSI, REINFORCED WITH COMMERCIAL GRADE FIBERMESH. THE OVERALL SLAB DIMENSIONS SHALL BE DETERMINED BY THE ASSEMBLY SIZE.

5. BY–PASS LINE SHALL CONSIST OF A TOTALIZING METER AND DOUBLE CHECK TYPE BACKFLOW ASSEMBLY. SENSUS METER SHALL INCLUDE ENCODED ELECTRONIC REGISTER HEAD. 1" AND SMALLER METERS: 10 GAL. TRPL REGISTER; 1 1/2" AND LARGER METERS: 100 GAL. TRPL REGISTER. METER & PIPING SHALL BE BRASS AND MUST HAVE A DOLE (FP35 OR FP45) ANTI–FREEZE VALVE ON FARTHEST DOWNSTREAM POINT ON BYPASS LINE.

6. THE FOLLOWING PARTS SHALL BE SUPPLIED TO THE UTILITY FOR ANTI FREEZE PROTECTION: 1–1/4"X2" BRASS NIPPLE; 1–1/4 CLOSE NIPPLE; 1–1/4" TEE; 1–1/4"X1/2" THREADED COUPLER AND 1 DOLE ANTI–FREEZE VALVE.

7. DETECTION METER SHALL BE SENSUS WITH T.R.P.L. REGISTER.

8. DEPENDING ON LOCATION, A FENCE MAY BE REQUIRED AROUND ASSEMBLY FOR SAFETY

9. SETBACK DISTANCE FOR SHRUBBERY FROM EDGE OF CONCRETE SLAB SHALL BE THREE FEET. THREE FEET OF SOD SHALL BE PLACED AROUND PERIMETER OF SLAB.

10. FIRE MAIN SHALL BE IN ADDITION TO CUSTOMER SERVICE/SUPPLY MAIN.

11. ALL HARDWARE SHALL BE STAINLESS STEEL.

12 ALL ABOVE GRADE PIPING SHALL BE PAINTED AS FOLLOWS:

–SURFACE PREPARATION: POWER TOOL CLEANING (SSPC–SP3) OR BRUSH–OFF BLAST CLEANING (SSPC–SP7)

–PRIME: ACRYLIC ENAMEL, MINIMUM 3.0 MILS DFT. IF SHOP COAT IS DAMAGED, REPRIME BARE AREAS IN FIELD. IF SHOP COAT IS BITUMINOUS COATING, PRIME WITH 2 COATS OF STAIN BARRIER, 1 MIL DRY FILM THICKNESS PER COAT.

–FINISH: TWO COATS, APPLIED BY SPRAY, OF ACRYLIC ENAMEL, SAFETY BLUE (GLOSS) #225A120 ACE PRODUCT RUST STOP, MIN. 4.0 MILS DFT AND GLOSS WHITE #7792 RUST–OLEUM BRAND HOME DEPOT, MIN 4.0 MILS DFT.

##	SCALE: NONE	########
		REVISED 8/20

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THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DATE: 2-26-2024	SCALE: AS NOTED
FILE: 2405-1	PROJECT: 2405-1
DESIGNER: KAB	DRAWN BY: XXX

NOT VALID UNLESS SIGNED AND SEALED COLE T. BUCK P.E. 88690

SHEET C006

SANITARY GRAVITY, FORCE MAIN, REUSE MAIN, STORM SEWER, & POTABLE WATER MAIN SEPARATION NOTES & SOLUTIONS

1. HORIZONTAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCEMAINS, RECLAIMED WATER PIPELINES, AND ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS.

A. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE INSTALLED TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED STORM SEWER, STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.

B. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE INSTALLED TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM–TYPE SANITARY SEWER.

C. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE INSTALLED TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY OR PRESSURE–TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY–TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS INSTALLED AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.

D. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE INSTALLED TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED "ON–SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM" AS DEFINED IN SECTION 381.0065(2), F.S., AND RULE 64E–6.002, F.A.C.

2. VERTICAL SEPARATION BETWEEN UNDERGROUND WATER MAINS AND SANITARY OR STORM SEWERS, WASTEWATER OR STORMWATER FORCEMAINS, AND RECLAIMED WATER PIPELINES.

A. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY OR VACUUM–TYPE SANITARY SEWER OR STORM SEWER SHALL BE INSTALLED SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO INSTALL THE WATER MAIN ABOVE THE OTHER PIPELINE.

B. NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE–TYPE SANITARY SEWER, WASTEWATER OR STORMWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE INSTALLED SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 12 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO INSTALL THE WATER MAIN ABOVE THE OTHER PIPELINE.

C. AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS A AND B ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM–TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C., AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY OR PRESSURE–TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.

3. NEW OR RELOCATED FIRE HYDRANTS SHALL BE LOCATED SUCH THAT THE UNDERGROUND DRAIN (WEEP HOLE) IS AT LEAST:

A. THREE FEET FROM ANY EXISTING OR PROPOSED STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER MAIN OR VACUUM TYPE SANITARY SEWER.

B. SIX FEET AWAY FROM ANY EXISTING OR PROPOSED GRAVITY SANITARY SEWER AND WASTEWATER FORCE MAIN

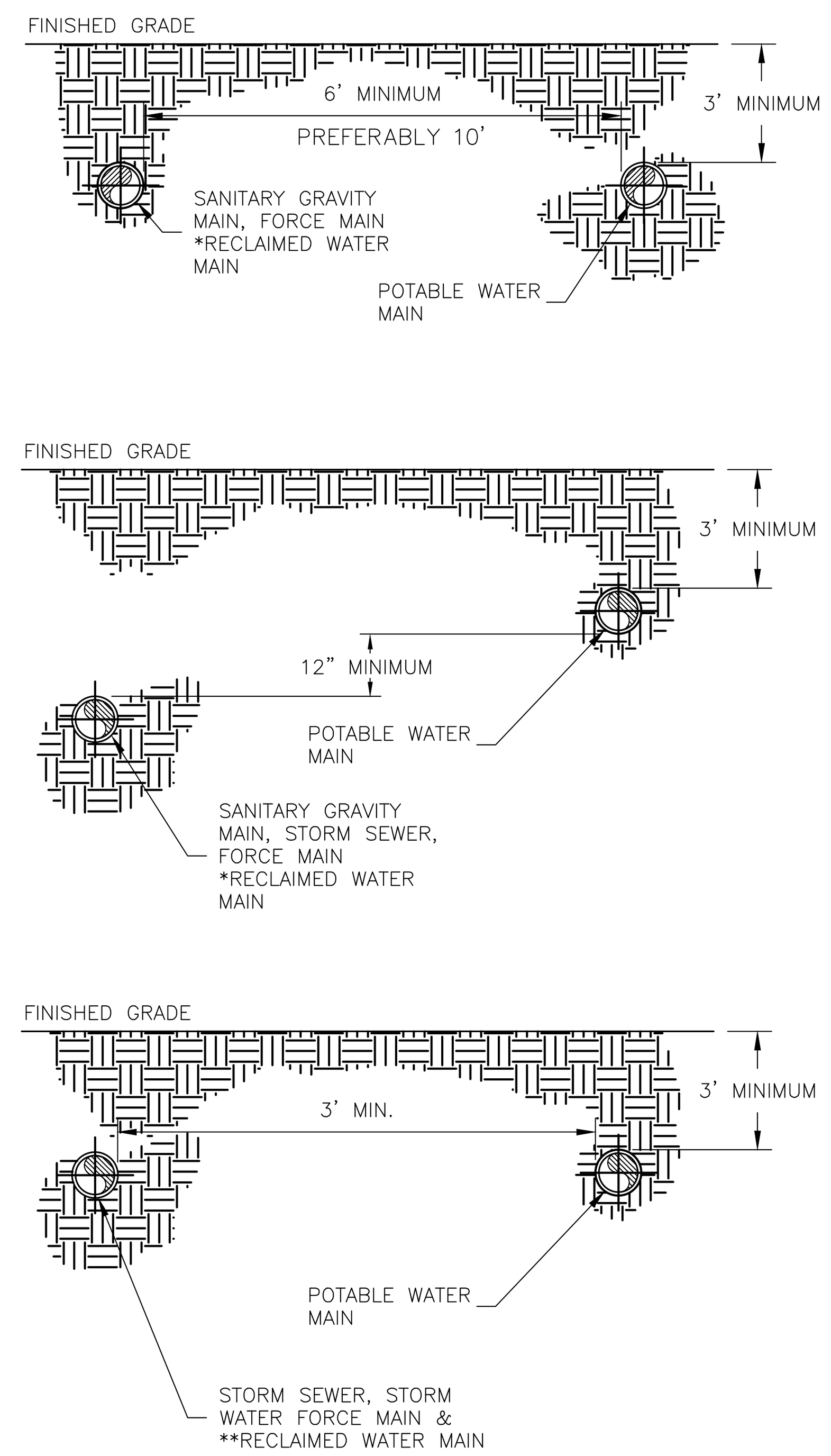
C. TEN FEET FROM ANY ON SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM SUCH AS SEPTIC TANKS, DRAINFIELDS, AND GREASE TRAPS. ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEMS DO NOT INCLUDE PACKAGE SEWAGE TREATMENT FACILIITIES AND PUBLIC WASTEWATER TREATMENT FACILITIES.

4. NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A SANITARY SEWER MANHOLE.

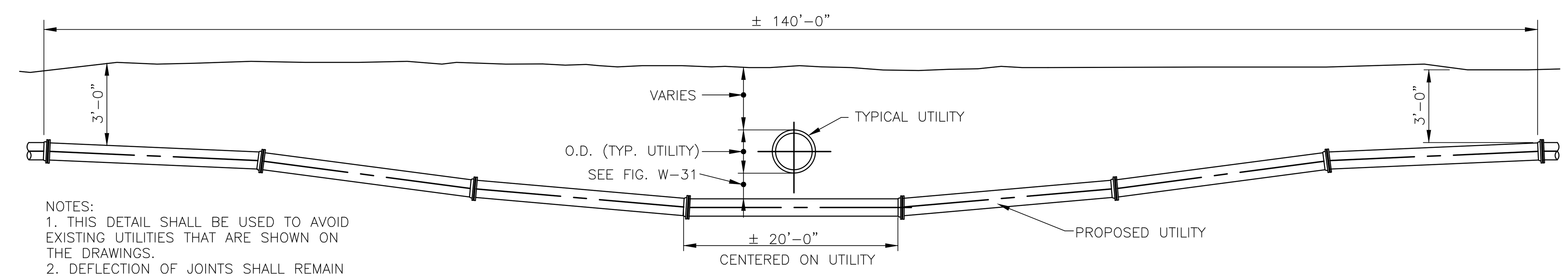
5. WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR INLET STRUCTURE.

*RECLAIMED WATER MAIN NOT REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C.

** RECLAIMED WATER MAIN REGULATED UNDER PART III OF CHAPTER 62–610, F.A.C

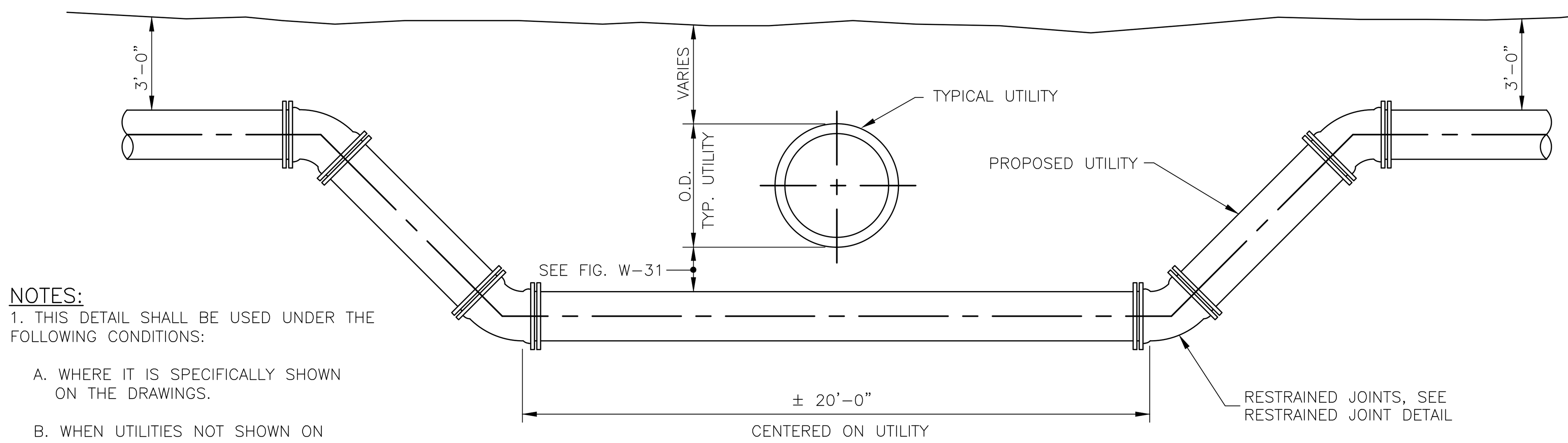


UTILITY SEPARATION DETAIL	SCALE: NONE	FIG. W–32
	REVISED 1/07	



NOTES:
1. THIS DETAIL SHALL BE USED TO AVOID EXISTING UTILITIES THAT ARE SHOWN ON THE DRAWINGS.
2. DEFLECTION OF JOINTS SHALL REMAIN WITHIN MANUFACTURER'S RECOMMENDATIONS.

TYPICAL CONFLICT RESOLUTION BY DEFLECTION
SEE NOTES



NOTES:
1. THIS DETAIL SHALL BE USED UNDER THE FOLLOWING CONDITIONS:
A. WHERE IT IS SPECIFICALLY SHOWN ON THE DRAWINGS.
B. WHEN UTILITIES NOT SHOWN ON THE PLAN, ARE ENCOUNTERED.

TYPICAL CONFLICT RESOLUTION BY FITTINGS
SEE NOTES

TYPICAL CONFLICT RESOLUTION DETAIL BY DEFLECTION OR FITTINGS	SCALE: NONE	FIG. W–33
	REVISED 1/07	

DOUBLE CHECK VALVE ASSEMBLIES (FOR DEDICATED FIRE MAINS)

- WATTS:
  3/4"–2": MODEL 719QTDCVE
- WILKINS:
  3/4"–2": MODEL 350 & MODEL 950XLT
  2 1/2"–10": MODEL 350, 350DA

REDUCED PRESSURE ASSEMBLIES

- WATTS:
  3/4"–2": MODEL LF919
  2 1/2"–10": MODEL 994 STAINLESS
- CONBRACO:
  2 1/2"–10": MODEL 40–200
- WILKINS:
  3/4"–2": MODEL 975XL
  2 1/2"–10": MODEL 375, 375DA

FOR RESIDENTIAL APPLICATIONS, USE THE FOLLOWING BFP'S WHEN REQUIRED TO BE INSTALLED WITHIN THE METER PIT:

- APPOLLO/CONBRACO:
  MODEL DCLF4A
- WILKINS:
  3/4"–2": MODEL 950 XLT
- WATTS:
  MODEL LF719

NOTES:
1. ALL HARDWARE, INCLUDING HANDLES, NUTS, BOLTS, WASHERS ETC. SHALL BE 316 STAINLESS STEEL OR BRASS.

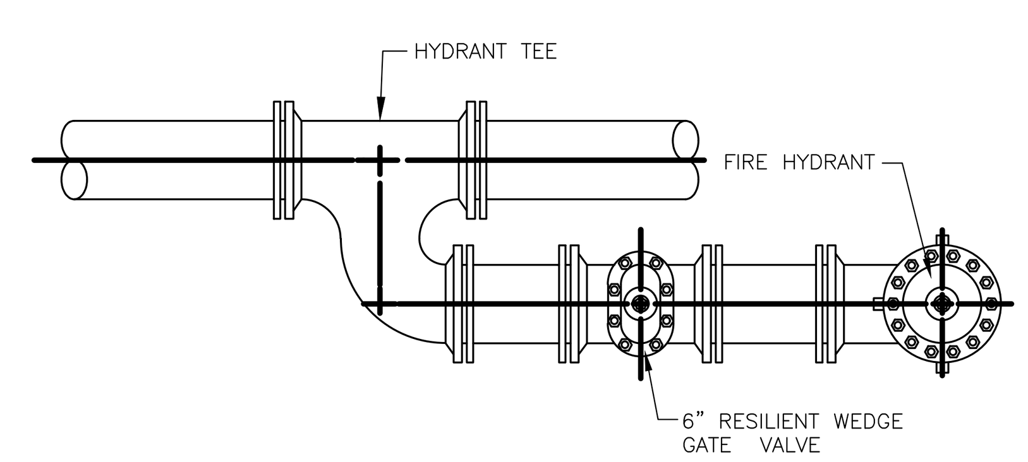
2. ALL BACKFLOW PREVENTERS SHALL INCORPORATE PARTS THAT ARE CHLORAMINE RESISTANT.

3. ALL BACKFLOW PREVENTION DEVICES THAT REQUIRE A DETECTOR METER SHALL HAVE A SENSUS TRPL REGISTER METER.

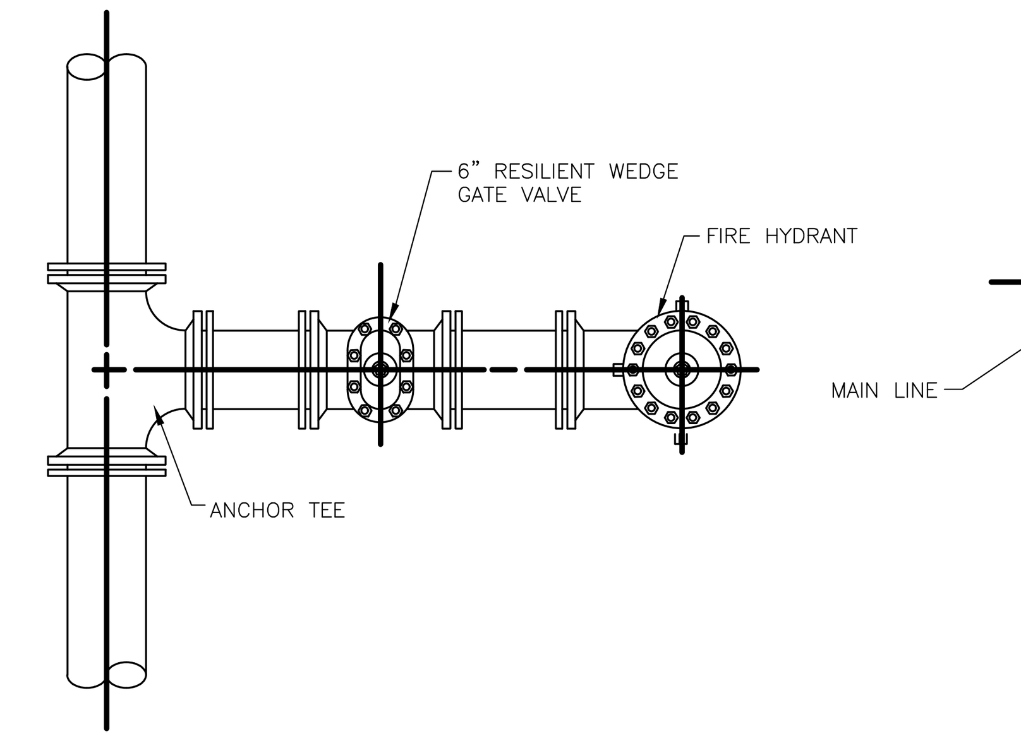
4. ALL BACKFLOW ASSEMBLIES SHALL BE FLANGED; VICTAULIC COUPLING ASSEMBLIES ARE NOT ACCEPTABLE.

5. ALL BACKFLOW ASSEMBLIES SHALL BE TOP LOADING, FOR DOUBLE CHECK DEVICES ONLY.

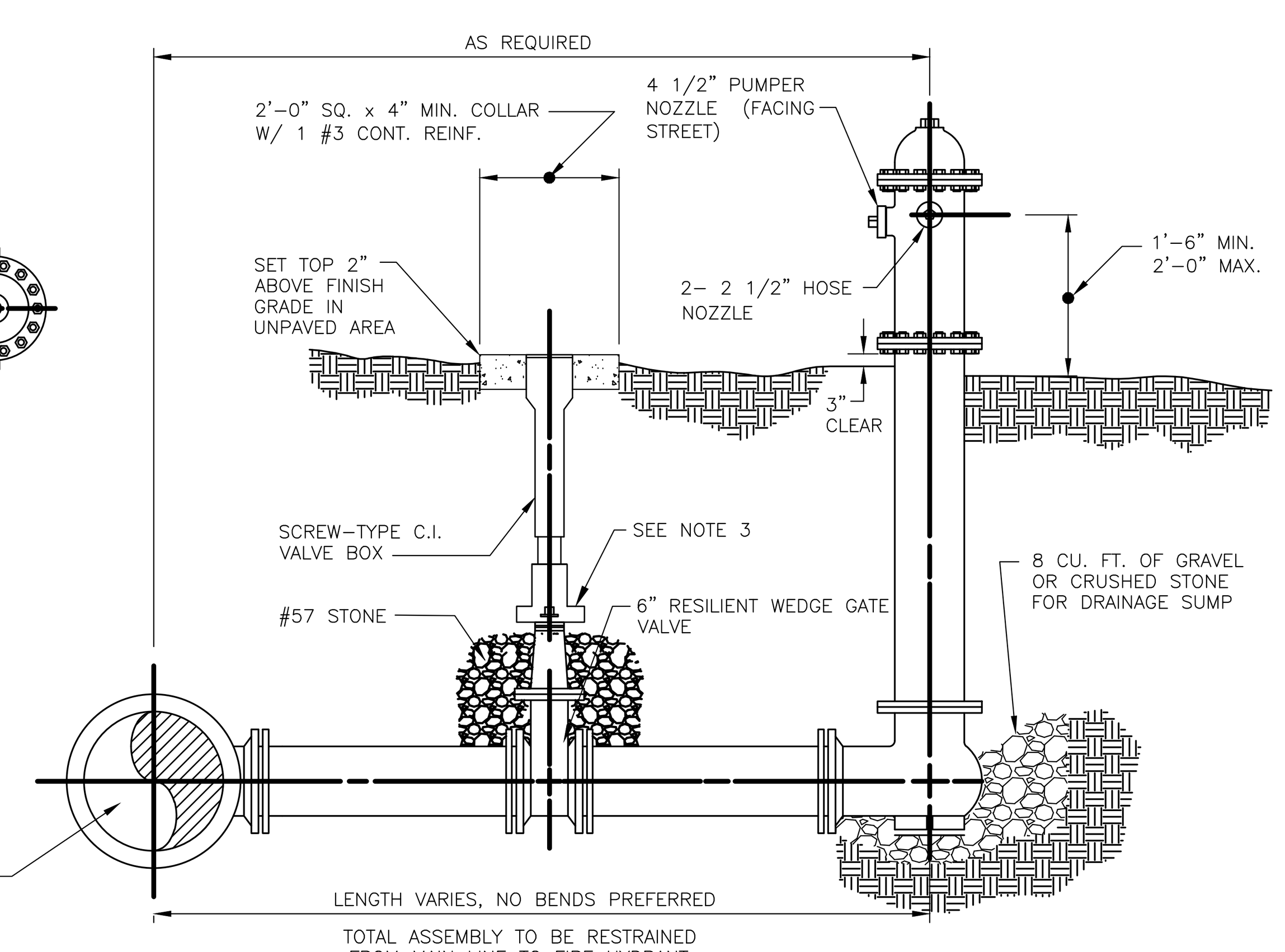
APPROVED BACKFLOW ASSEMBLIES	SCALE: NONE	FIG. W–24
	REVISED 8/20	



INSTALLATION PARALLEL TO MAIN



INSTALLATION PERPENDICULAR TO MAIN



NOTES:

1. A TAPPING SLEEVE WITH VALVE AND BOX SHALL BE INSTALLED WHEN CONNECTING A PROPOSED FIRE HYDRANT TO AN EXISTING MAIN, OR RELOCATING AN EXISTING FIRE HYDRANT.

2. HYDRANTS SHALL HAVE BREAKAWAY SECTION OR REMOVABLE BARREL.

3. SELF–CENTERING ALIGNMENT RING EQUIVALENT TO AMERICAN FLOW CONTROL.

4. ALL ABOVE GRADE PIPING SHALL BE PAINTED AS FOLLOWS:

–SURFACE PREPARATION: POWER TOOL CLEANING (SSPC–SP3) OR BRUSH–OFF BLAST CLEANING (SSPC–SP7).

–PRIME: ACRYLIC ENAMEL, MINIMUM 3.0 MILS DFT. IF SHOP COAT IS DAMAGED, REPRIME BARE AREAS IN FIELD. IF SHOP COAT IS BITUMINOUS COATING, PRIME WITH 2 COATS OF STAIN BARRIER, 1 MIL DRY FILM THICKNESS PER COAT.

–FINISH: TWO COATS, APPLIED BY SPRAY, OF ACRYLIC ENAMEL, BLP MOBILE PAINTS, MINIMUM 4.0 MILS DFT. MOBILE H20 RUS–KIL PRECAUTION BLUE #310–37 OR APPROVED EQUIVALENT.

FIRE HYDRANT ASSEMBLY DETAIL	SCALE: NONE	FIG. W–20
	REVISED 9/09	

GRAVITY SANITARY SEWER GENERAL NOTES

SHEET 1 OF 2

1. ALL PIPELINE MATERIAL AND INSTALLATION SHALL CONFORM TO THE FLAGLER COUNTY STANDARDS, CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.

2. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.

3. ALL UTILITY OWNERS AND SUNSHINE STATE ONE CALL (800) 432–4770 MUST BE NOTIFIED SEVENTY–TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION.

4. THE CONTRACTOR SHALL NOTIFY FIBEROPTICS COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBEROPTIC CABLE IS LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.

5. ALL PIPING AND/OR APPURTENANCES CONNECTING TO ADJACENT CONSTRUCTION SHALL BE PLUGGED IF ADJACENT WORK HAS NOT BEEN COMPLETED.

6. ALL PROPOSED DUCTILE IRON PIPE AND FITTINGS WITHIN FIFTY (50) FEET OF AN EXISTING GAS MAIN SHALL BE POLYETHYLENE ENCASED.

7. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM EXISTING UTILITY RECORDS. ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, DEPTH AND CHARACTER OF ALL UTILITIES PRIOR TO EXCAVATION IN ORDER TO PROTECT THESE UTILITIES DURING CONSTRUCTION.

8. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE FORTY–EIGHT (48) HOURS IN ADVANCE OF THE PROPOSED WORK. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY FLAGLER COUNTY IMMEDIATELY. INFORMATION ON THE OBSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.

9. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS–OF–WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS–OF–WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.

10. THE CONTRACTOR SHALL REPLACE SOD 3 FEET FROM ALL DISTURBED AREAS: STRUCTURES, SIDEWALKS, ROADS, AND POND IMPROVEMENT AREAS. ALL OTHER DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE DRAWINGS.

11. THE CONTRACTOR SHALL REPLACE, BUT NOT BE LIMITED, TO PAVING, STABILIZED EARTH, DRIVEWAYS OR ANY ITEMS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR ITS RELATED ACTIVITIES. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY FLAGLER COUNTY.

12. THE DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

13. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS WORK WITH THE WORK SCHEDULE OF ADJACENT CONTRACTORS AS WELL AS THE STAFF OF FLAGLER COUNTY.

14. THE CONTRACTOR SHALL NOTIFY THE FLAGLER COUNTY UTILITY DEPARTMENT 72 HOURS BEFORE COMMENCING WITH CONSTRUCTION.

15. WHERE MINIMUM SEPARATION BETWEEN UTILITIES IS REQUIRED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

16. PVC PIPE AND FITTINGS 4–INCHES THROUGH 15–INCHES SHALL CONFORM TO ASTM D3034, SDR35 OR 26.

GRAVITY SANITARY SEWER GENERAL NOTES	SCALE: NONE	########
	REVISED 8/20	

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THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER	FILE	DATE
KAB	2405-1	2-26-2024
DRAWN BY	PROJECT	SCALE
XXX	2405-1	AS NOTED

NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 88690

SHEET
C007

GRAVITY SANITARY SEWER GENERAL NOTES

SHEET 2 OF 2

17. PVC PIPE AND FITTINGS FITTINGS 18–INCHES THROUGH 27–INCHES SHALL CONFORM TO ASTM F679–T1, SDR 35.

18. PVC PIPE AND FITTINGS SHALL BE SOLID GREEN IN COLOR.

19. DUCTILE IRON PIPE FOR GRAVITY OR NON–PRESSURE SERVICE SHALL BE DESIGNED IN ACCORDANCE WITH AND CONFORMING TO THE REQUIREMENTS OF ASTM A746 FOR INSTALLATION WITH TRENCH TYPE II, OR IN ACCORDANCE WITH ANSI/AWWA C150/A21.50 AND ANSI/AWWA C151/A21.51.

20. DUCTILE IRON FITTINGS FOR USE IN GRAVITY OR NON–PRESSURE SERVICE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/AWWA C153/A21.53, COMPACT DUCTILE IRON FITTINGS.

21. DUCTILE IRON PIPE AND FITTINGS FOR GRAVITY OR NON–PRESSURE SERVICE SHALL HAVE AN INTERIOR LINING CONSISTING OF A MINIMUM 40 MILS OF A CERAMIC EPOXY COATING. REFER TO SPECIFICATIONS FOR DETAILS.

22. ALL NEW SANITARY SEWER MAINS SHALL BE INSTALLED WITH A MIN. OF 3'–0" OF COVER, UNLESS OTHERWISE NOTED.

23. MATERIAL FOR GRAVITY SEWER PIPE AND FITTINGS SHALL BE AS SHOWN FOR THE FOLLOWING DEPTHS OF EXCAVATION:
   A. 3' TO 4': EPOXY LINED DUCTILE IRON
   B. 4' TO 12' PVC, ASTM 3034/ASTM F679, SDR 35
   C. GREATER THAN 12': PVC, ASTM 3034, SDR 26 OR EPOXY–LINED DUCTILE IRON.

24. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALTERNATE ACCESS ROUTES WHICH ARE SUBJECT TO APPROVAL BY FLAGLER COUNTY.

25. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.

26. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD), 1988.

27. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL BY FLAGLER COUNTY PRIOR TO PROCUREMENT.

28. THE CONTRACTOR SHALL VIDEO THE ENTIRE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION. ONE COPY OF THE PRE–CONSTRUCTION VIDEO SHALL BE SUBMITTED TO FLAGLER COUNTY.

29. PIPE MEASUREMENTS ON THE MAIN "TRUNK" SEWER SHALL BE FROM CENTER TO CENTER OF MANHOLES OR CLEANOUTS, UNLESS OTHERWISE NOTED.

30. PIPE MEASUREMENTS FOR SERVICE LATERALS SHALL BE FROM THE MAIN "TRUNK" SEWER TO THE PROPERTY LINE. THE DEPTH OF THE LATERAL AT THE PROPERTY LINE SHALL BE MEASURED AND RECORDED ON THE RECORD DRAWINGS.

31. TESTING OF GRAVITY SEWER SYSTEMS AND MANHOLES SHALL FOLLOW THE REQUIREMENTS FOUND WITHIN THE SPECIFICATIONS.

32. CONFLICT BETWEEN WATER MAINS, STORM AND REUSE SYSTEMS AND PROPOSED SANITARY SEWER MAINS SHALL BE RESOLVED BY ADJUSTING THE PRESSURE MAINS AS NECESSARY. SEE "UTILITY SEPARATION DETAIL" AND ACCOMPANYING NOTES AS SHOWN ON THE CIVIL DETAIL (CD) SHEETS OF THE PLAN SET.

33. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.

34. FOR A SCHEDULED INTERRUPTION OF SANITARY SEWER MAIN FLOW, THE CONTRACTOR SHALL PROVIDE TO FLAGLER COUNTY FOR REVIEW A WRITTEN SCHEDULE AS TO THE METHOD AND DURATION OF FLOW INTERRUPTION.

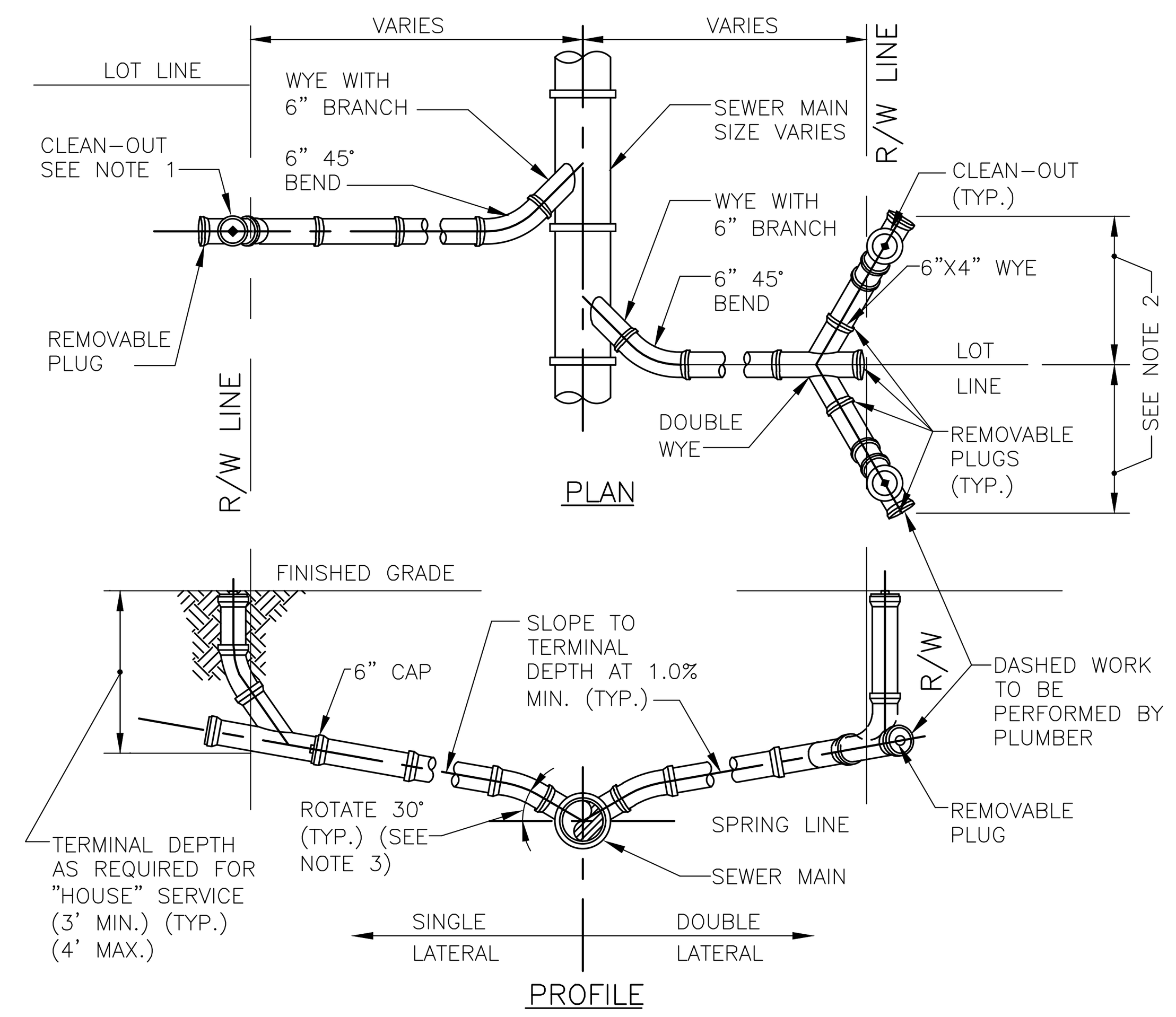
35. FLAGLER COUNTY SHALL REVIEW THE SUBMITTAL AND SHALL INFORM THE CONTRACTOR REGARDING APPROVAL OR DENIAL OF THEIR REQUEST. IF THEIR REQUEST IS REJECTED BY FLAGLER COUNTY, THE CONTRACTOR MAY RESUBMIT THEIR REQUEST MODIFYING IT TO THE SATISFACTION OF THE OWNER. ALL CONNECTIONS SHALL BE MADE ONLY ON THE AGREED UPON TIME AND DATE ESTABLISHED IN THE SUBMITTAL.

36. DURING NORMAL SANITARY SEWER MAIN FLOW INTERRUPTION, THE CONTRACTOR SHALL PROVIDE UNINTERRUPTED BY–PASS FLOW AND SHALL PROVIDE ALL EQUIPMENT NECESSARY TO ACCOMPLISH THE SAME IN THE FORM OF, BUT NOT LIMITED TO, THE FOLLOWING: POWER, PUMPS, PIPING, APPURTENANT VALVES AND FITTINGS AND/OR SEPTIC TANKER TRUCK PUMPING, HAULING AND DISPOSAL SERVICES.

37. ALL BURIED UTILITY PIPES TO BE ABANDONED IN PLACE SHALL BE CUT, PLUGGED AND FILLED WITH GROUT.

38. IT IS THE INTENT OF THIS CONTRACT FOR THE CONTRACTOR TO MAINTAIN CONTINUOUS RESTORATION BEHIND THE UTILITY WORK ON A DAILY BASIS. NO MORE THAN FIFTY (50) LINEAR FEET OF UNRESTORED LINE WORK SHALL REMAIN AT THE END OF EACH WORK DAY.

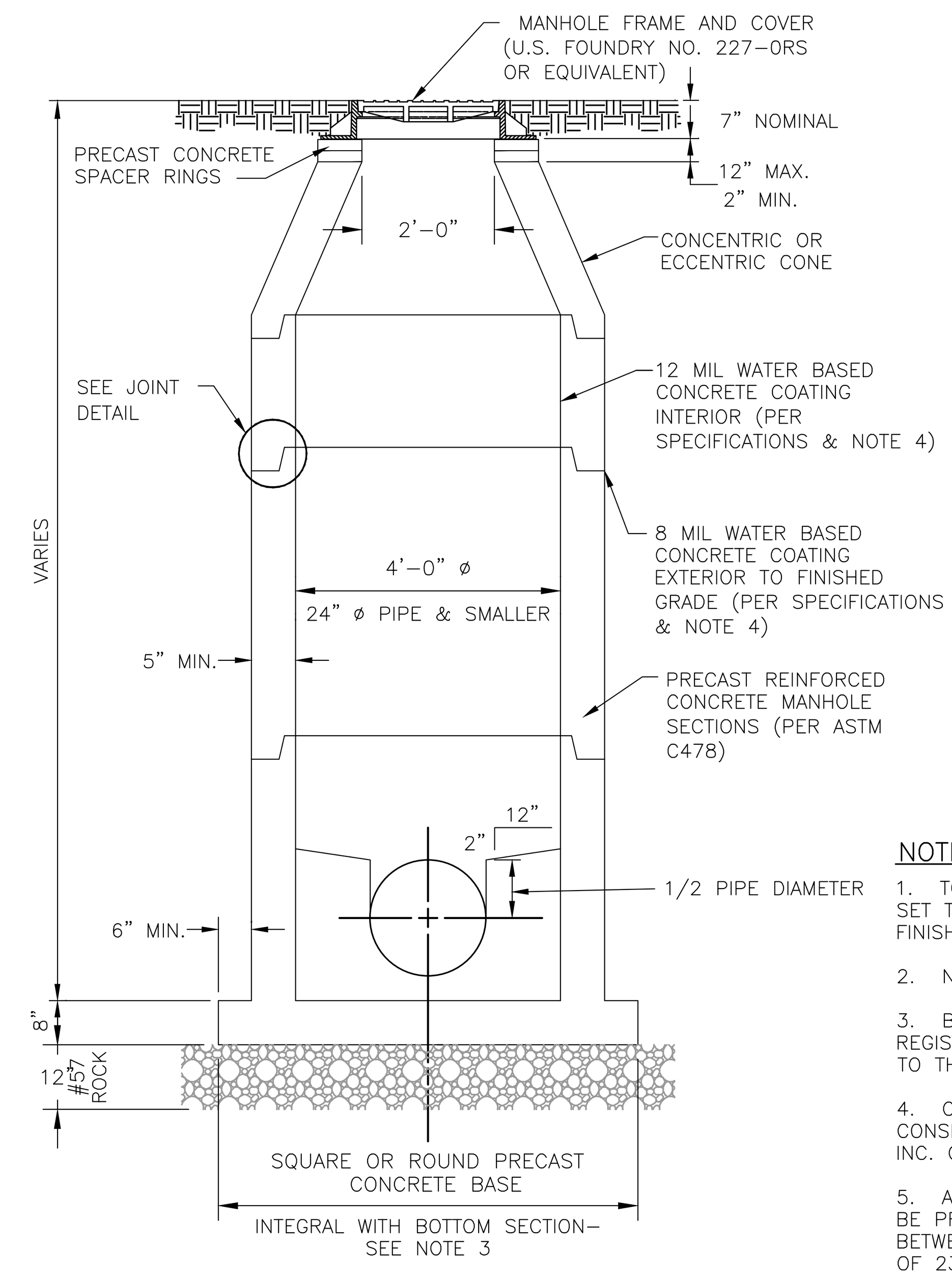
GRAVITY SANITARY SEWER GENERAL NOTES | SCALE: NONE | FIG. SS–4 | REVISED 3/19



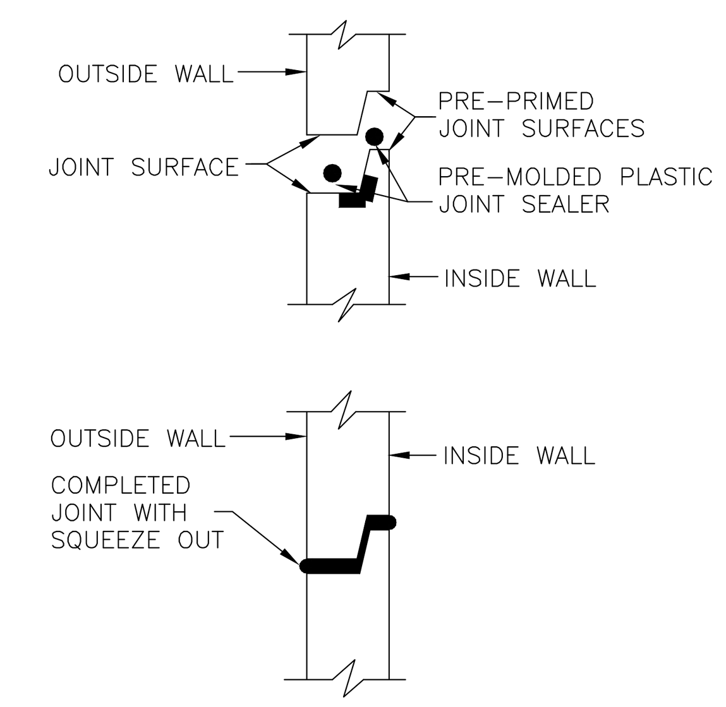
NOTES:

1. CLEAN–OUT (SHOWN DASHED) SHALL BE INSTALLED BY THE PLUMBER TO FINAL CONFIGURATION IN ACCORDANCE WITH STANDARD PLUMBING CODE.
2. LOCATE DOUBLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE, 5' MAXIMUM.
3. INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.
4. DOUBLE SERVICE LATERAL TO BE USED ONLY WHEN BOTH BUILDING SLABS ARE NOT GREATER THAN 4–INCHES ELEVATION DIFFERENCE.
5. SERVICE LATERAL PIPING AND FITTINGS SHALL BE 6" SDR35 PVC UNLESS OTHERWISE NOTED.
6. INSTALL PRESSURE TREATED 4"x4", 8–FEET LONG, 3–FEET ABOVE GRADE, (TOP ONE–FOOT PAINTED GREEN) TO IDENTIFY LOCATION OF CLEANOUT(S) AT THE PROPERTY LINE.
7. ETCH A 3–INCH MINIMUM "S" IN THE CURB & GUTTER TO DENOTE SERVICE LOCATION.

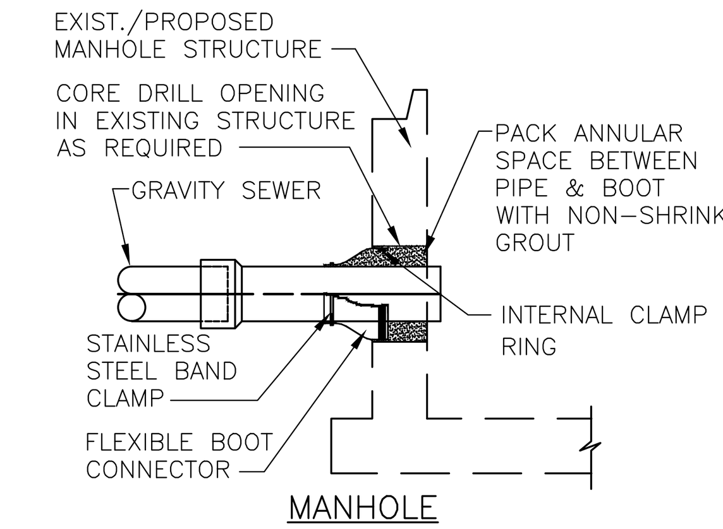
TYPICAL SERVICE LATERAL DETAIL SHALLOW CONNECTIONS | SCALE: NONE | ######### | REVISED 2/16



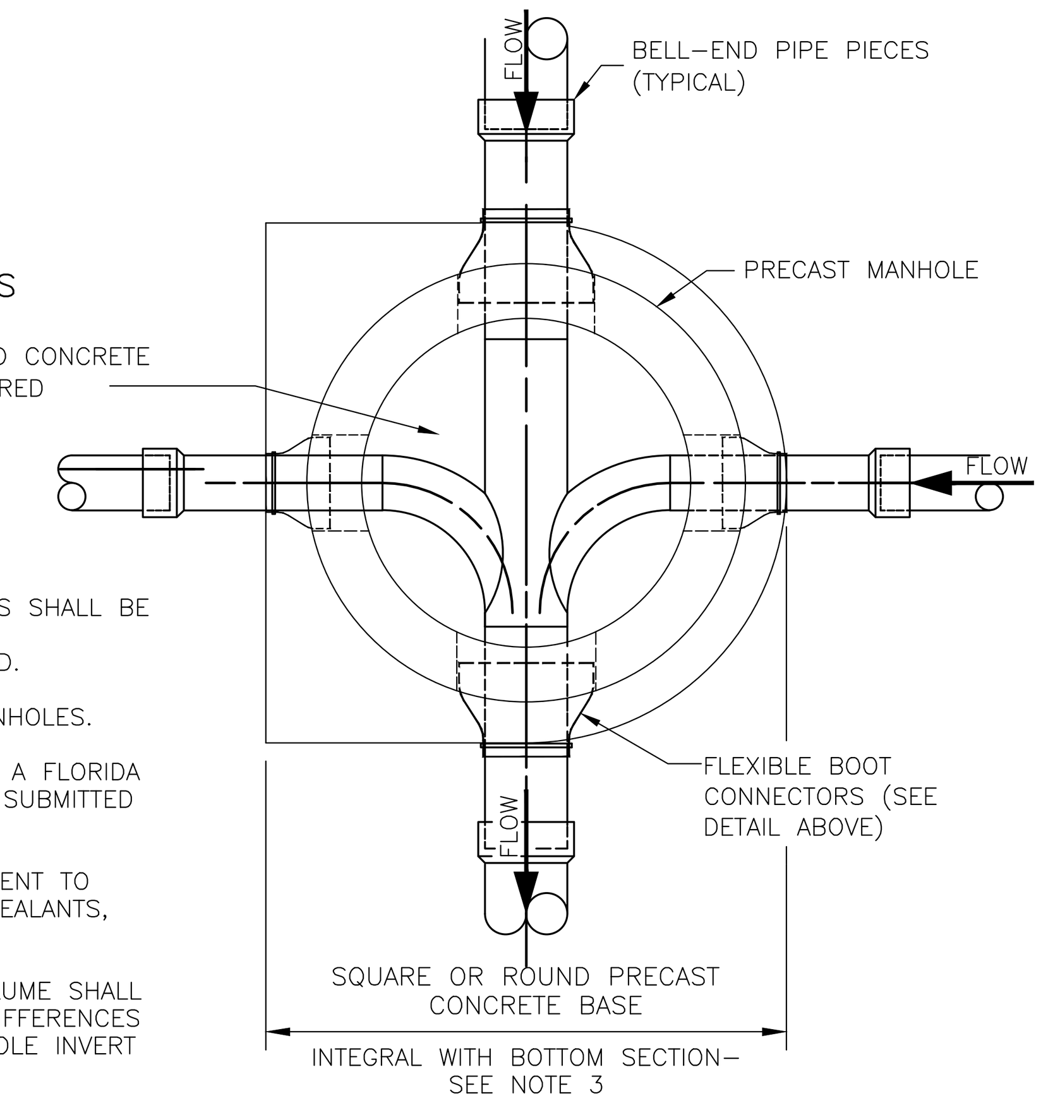
PRECAST CONCRETE MANHOLE (CONCENTRIC)



JOINT DETAIL PRECAST SECTIONS



MANHOLE CONNECTION DETAIL

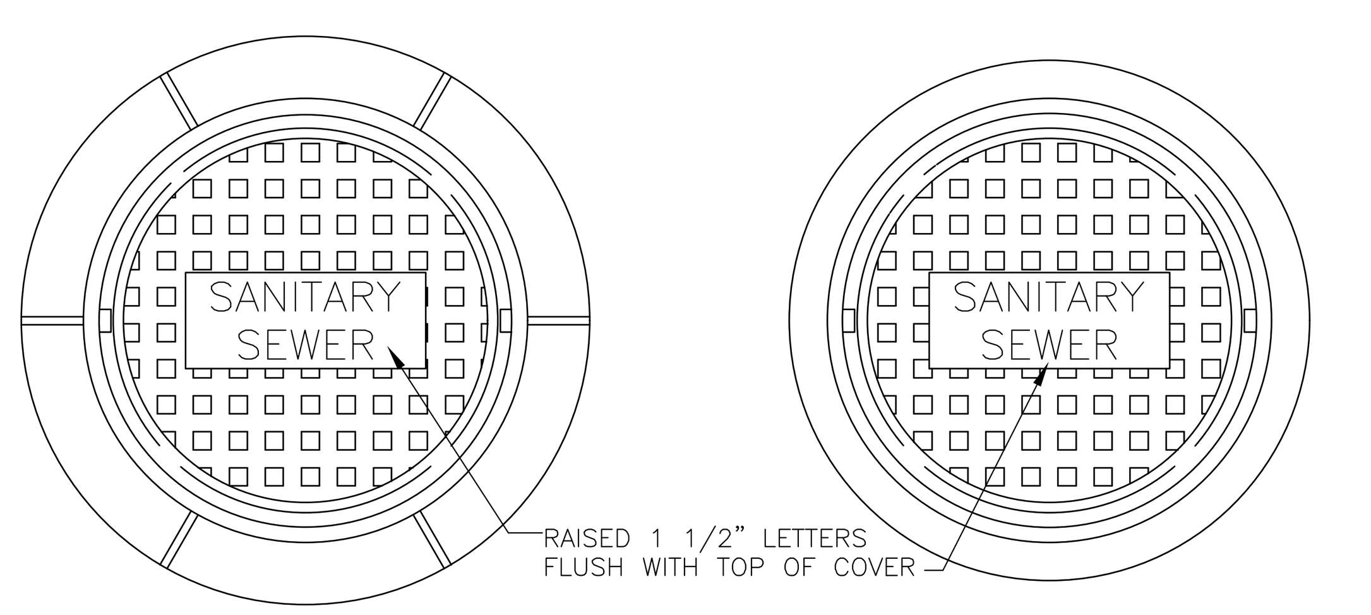


TYPICAL MANHOLE PLAN

NOTES:

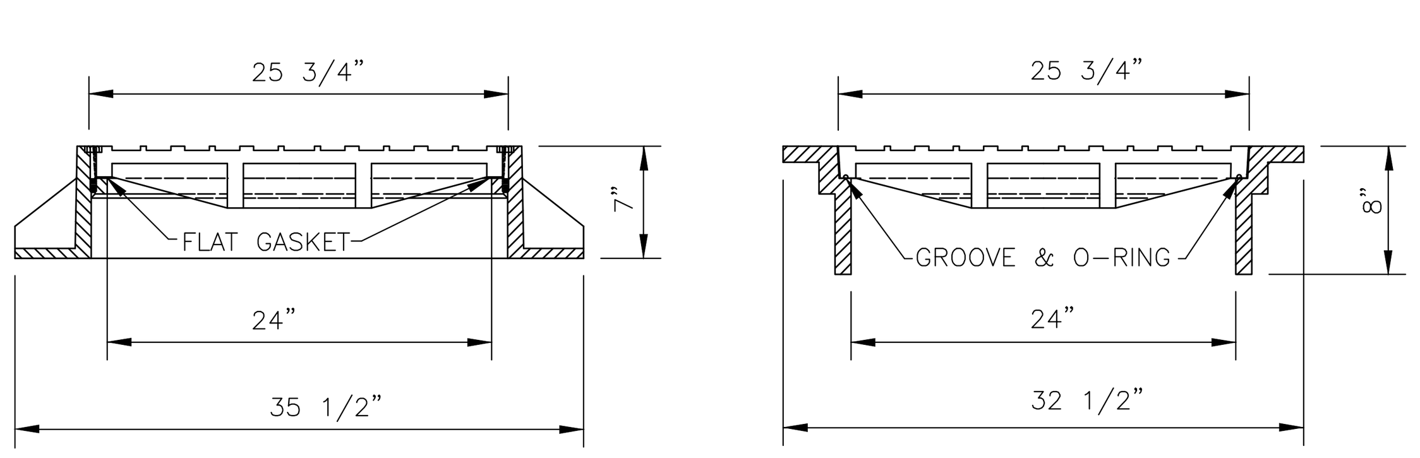
1. TOPS OF MANHOLE FRAME AND COVERS SHALL BE SET TO THE FINISHED ROADWAY ELEVATION, FINISHED GRADE OR AS OTHER–WISE NOTED.
2. NO PENETRATING HOLES THROUGH MANHOLES.
3. BOTTOM SLAB SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER AND SUBMITTED TO THE CITY FOR REVIEW.
4. CONCRETE COATING SHALL BE EQUIVALENT TO CONSEAL CS–55 AS MFD. BY CONCRETE SEALANTS, INC. COATING SHALL BE GRAY.
5. A CONCRETE FILLET, SLIDE OR PVC FLUME SHALL BE PROVIDED WITHIN THE MANHOLE FOR DIFFERENCES BETWEEN THE INFLUENT SEWER AND MANHOLE INVERT OF 23 INCHES OR LESS.

STANDARD MANHOLE DETAIL | SCALE: NONE | FIG. SS–8 | REVISED 7/14



TYPE "A" MANHOLE FRAME AND COVER (BUILT UP TYPE)

TYPE "B" MANHOLE FRAME AND COVER (SLAB TYPE)



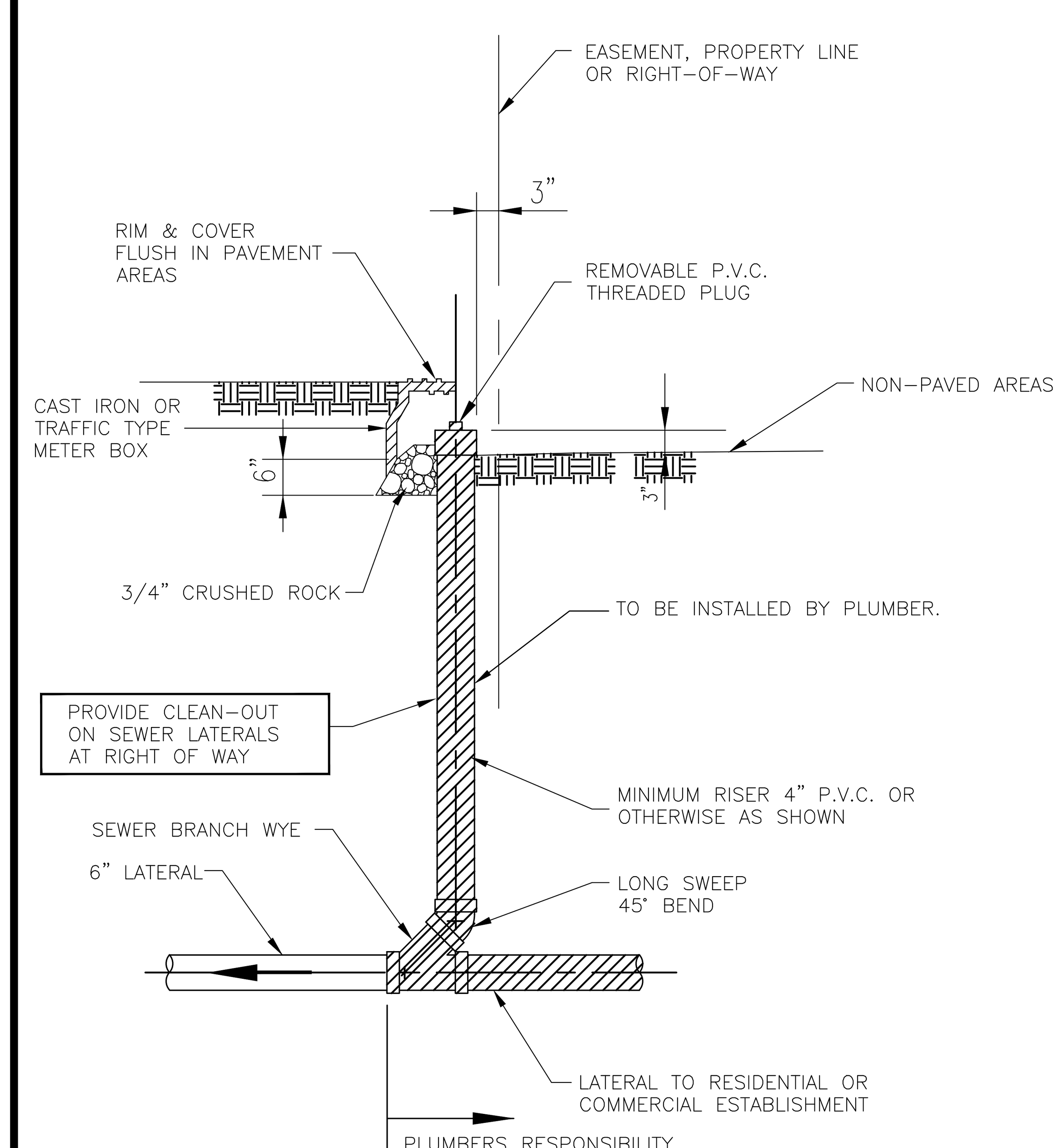
TYPE "A" SECTION

TYPE "B" SECTION

NOTES:

1. TYPE "A" & "B" NON–BOLTED WATERTIGHT RING & COVER. US FOUNDRY NO. 227–AS–ORS (TYPE "A") & U.S. FOUNDRY NO. 1295–AS–ORS (TYPE "B") OR APPROVED EQUAL.
2. MANHOLE COVERS SHALL BE LABELED AS SHOWN ABOVE.

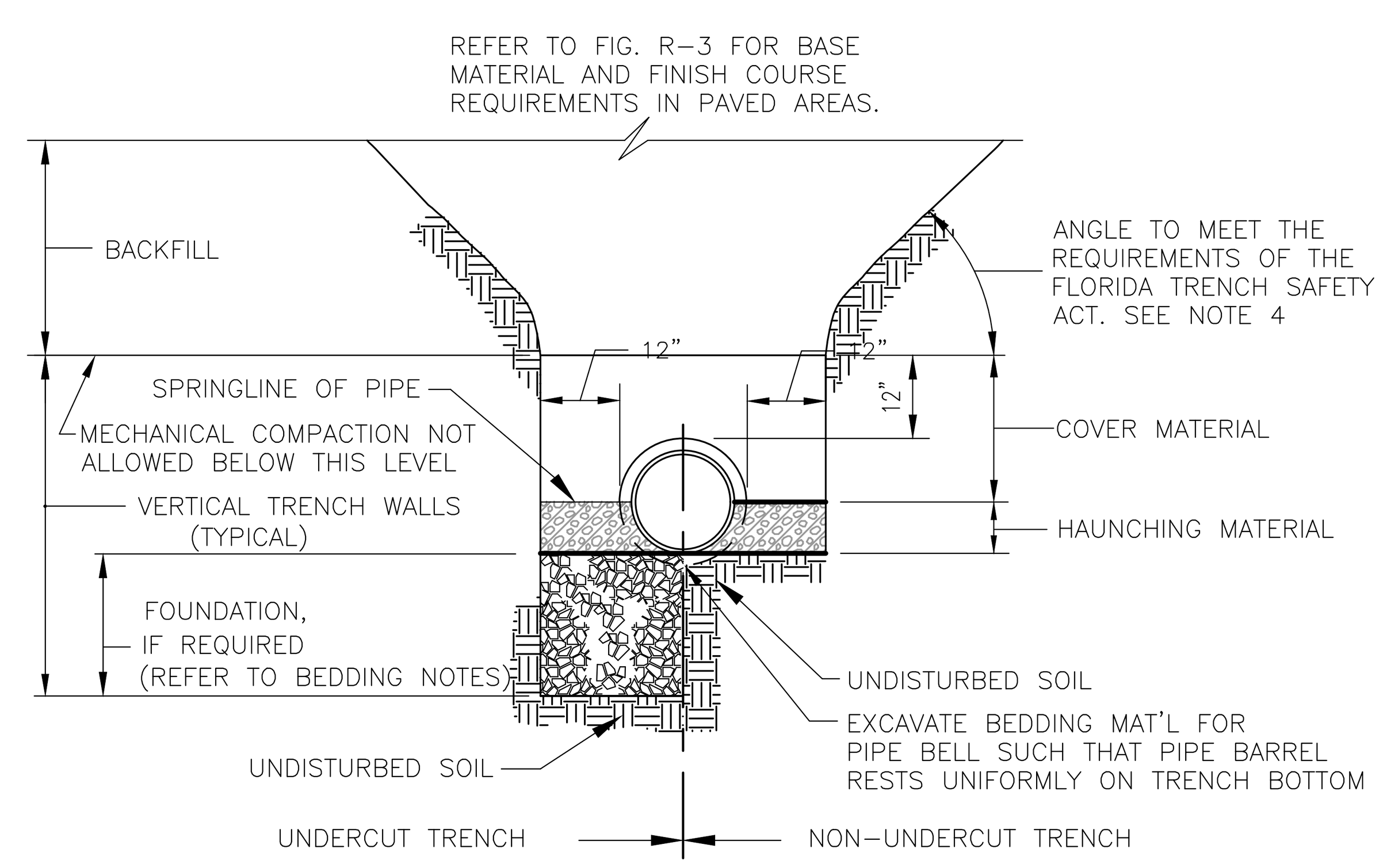
MANHOLE FRAME & COVER DETAIL | SCALE: NONE | FIG. SS–15 | REVISED 1/07



NOTES:

1. DEPTH OF SERVICE AT PROPERTY LINE SHALL BE 3'–0" MIN. & 4'–0" MAX.

SEWER CLEAN OUT INSTALLATION DETAIL | SCALE: NONE | FIG. SS–18 | REVISED 1/07



TYPICAL DETAIL–OPEN CUT

1. BEDDING NOTES:
   A. NORMALLY APPROVED CLEAN BACKFILL MATERIAL WILL BE USED AS A 4–INCH TYPICAL BEDDING UNDER THE PIPE. HOWEVER, WHERE UNSTABLE OR UNSITABLE MATERIAL EXISTS FOR BEDDING, AS DETERMINED BY THE UTILITY INSPECTOR AND / OR DESIGN ENGINEER, A SUFFICIENT DEPTH OF THE UNSTABLE MATERIAL SHALL BE REMOVED AND REPLACED WITH NOT LESS THAN 6–INCHES NOR MORE THAN 24–INCHES OF ONE OF THE FOLLOWING MATERIALS:
      (1) APPROVED CLEAN BACKFILL (FROM ADJACENT AREA)
      (2) FDOT SIZE 6 AGGREGATE (3/8–INCH TO 3/4–INCH)
      (3) CRUSHED SHELL AS REQUIRED TO IMPLEMENT A STABLE BEDDING FOR THE PIPE.
   B. BEDDING COMPACTION OF 95 PERCENT IS REQUIRED WHERE CLEAN BACKFILL MATERIAL IS USED. WHEN USING CRUSHED SHELL OR GRAVEL AS BACKFILL, HAND TAMPING IS REQUIRED.
   C. IF SOLID HARDPAN IS ENCOUNTERED AT THE TRENCH BOTTOM, AND NO UNDERCUT (EXCLUDING TEETH DEPTH) HAS BEEN MADE IN THE HARDPAN, NO COMPACTION IS REQUIRED ON THE MATERIAL USED TO BRING THE EXCAVATION TO THE TRENCH BOTTOM.
   D. ALL ASPECTS OF THIS BEDDING WORK WILL BE DETERMINED BY THE UTILITY INSPECTOR.

2. PERCENT COMPACTION:

   COMPACTION REQUIREMENTS LISTED BELOW ARE IN PERCENTAGES OF MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR AASHTO T–180 (ASTM D–1557) UNLESS OTHERWISE SPECIFICALLY APPROVED.
   A. 95 PERCENT FOR PIPE BEDDING, EXCEPT FOR THE VARIOUS EXCEPTIONS LISTED IN THE BEDDING NOTES IN WHICH NO FORMAL COMPACTION TEST IS REQUIRED.
   B. BAR TAMP HAUNCHING MATERIAL.
   C. 95 PERCENT FOR COVER MATERIAL. (6–INCH LIFTS)
   D. 95 PERCENT FOR BACKFILL IN NON–ROADWAY AREAS. (12–INCH LIFTS)
   E. 98 PERCENT FOR BACKFILL IN ROADWAY AREAS. (12–INCH LIFTS)

3. TESTING FREQUENCY:

   LOCATION OF TESTING STATIONS WILL BE RANDOMLY SELECTED AND WITHIN THE FOLLOWING MINIMUM FREQUENCIES:
   BACKFILL: ONE (1) TEST PER 300 LINEAR FEET OR PORTION THEROF.
   TYPICAL ELEVATIONS OF TEST POINTS WILL BE EVERY TWO (2) FEET, STARTING ONE FOOT ABOVE TOP OF PIPE. THE PERCENT (%) OF MAXIMUM DENSITY LISTED ABOVE ARE MINIMUMS AND MAY BE INCREASED AT THE DIRECTION OF THE UTILITY INSPECTOR AND / OR DESIGN ENGINEER.

4. IF ANGLE CANNOT BE MET DUE TO TIGHT WORKING CONDITIONS, TRENCH SHALL BE SHEETED OR A TRENCH BOX UTILIZED.

PIPE TRENCHING, BEDDING, BACKFILLING & COMPACTION DETAIL | SCALE: NONE | FIG. R–4 | REVISED 7/11

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THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER	FILE	DATE
KAB	2405-1	2-26-2024
DRAWN BY	**PROJECT**	**SCALE**
XXX	2405-1	AS NOTED

NOT VALID UNLESS SIGNED AND SEALED COLE T. BUCK P.E. 88690

SHEET
C008

FORCE MAIN GENERAL NOTES

SHEET 1 OF 2

1. ALL PIPELINE MATERIAL AND INSTALLATION SHALL CONFORM TO THE CITY OF PALM COAST STANDARDS (JULY, 2022), CONTRACT DOCUMENTS, TECHNICAL SPECIFICATIONS AND ALL APPLICABLE LOCAL AND STATE REQUIREMENTS.

2. THE CONTRACTOR SHALL ENSURE THAT ALL REQUIRED PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.

3. ALL UTILITY OWNERS AND SUNSHINE STATE ONE CALL (800) 432-4770 MUST BE NOTIFIED SEVENTY-TWO (72) HOURS PRIOR TO STARTING CONSTRUCTION.

4. THE CONTRACTOR SHALL NOTIFY FIBEROPTICS COMPANIES SEVEN (7) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY IN THEIR AREA. EXTREME CAUTION SHALL BE USED IN AREAS WHERE FIBEROPTIC CABLE IS LOCATED ADJACENT TO CONSTRUCTION ACTIVITY.

5. ALL NEW FORCE MAINS SHALL BE INSTALLED WITH A MINIMUM OF 3'-0" OF COVER, UNLESS NOTED OTHERWISE.

6. ALL PIPING AND/OR APPURTENANCES CONNECTING TO ADJACENT CONSTRUCTION SHALL BE PLUGGED IF ADJACENT WORK HAS NOT BEEN COMPLETED.

7. CONTRACTOR SHALL PROVIDE TEMPORARY THRUST RESTRAINTS, BRACING, TEST PLUGS AND/OR OTHER DEVICES NECESSARY TO SUCCESSFULLY COMPLETE PRESSURE TESTING OF ALL PRESSURE PIPING SYSTEMS.

8. ALL FITTINGS FOR BURIED PIPING 4-INCHES AND LARGER SHALL BE COMPACT DUCTILE IRON MECHANICAL JOINT (D.I.M.J.) BITUMEN COATED EXTERIOR APPLIED PER ANSI/AWWA A21.53/C153 UNLESS NOTED OTHERWISE. THESE FITTINGS SHALL INCORPORATE RESTRAINING RINGS, MEGA-LUGS OR OTHER APPROVED EQUIVALENT MECHANICAL DEVICES.

9. ALL PROPOSED DUCTILE IRON PIPE, FITTINGS AND RESTRAINTS WITHIN FIFTY (50) FEET OF AN EXISTING GAS MAIN SHALL BE POLYETHYLENE ENCASED.

10. ALL BURIED PIPING SPECIFIED FOR PRESSURE SERVICE SHALL BE PROVIDED WITH RESTRAINING DEVICES AT ALL DIRECTIONAL CHANGES, UNLESS NOTED OTHERWISE.

11. ALL FASTENERS SHALL BE MANUFACTURED OF NON-CORROSIVE MATERIALS. WHEN STAINLESS STEEL IS REQUIRED, 304 S.S. SHALL BE USED FOR ALL BURIED APPLICATIONS AND 316 S.S. SHALL BE USED FOR ABOVE GROUND OR CORROSIVE ENVIRONMENTS.

12. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THESE DRAWINGS HAVE BEEN DERIVED FROM EXISTING UTILITY RECORDS. ACCURACY OF THIS INFORMATION IS NOT GUARANTEED. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, DEPTH AND CHARACTER OF ALL UTILITIES PRIOR TO EXCAVATION IN ORDER TO PROTECT THESE UTILITIES DURING CONSTRUCTION.

13. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE FORTY-EIGHT (48) HOURS IN ADVANCE OF THE PROPOSED WORK. IF THERE IS A CONFLICT THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST IMMEDIATELY. INFORMATION ON THE OBSTRUCTION SHALL BE FURNISHED BY THE CONTRACTOR AND SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.

14. LOCATIONS AND DIMENSIONS OF EXISTING RIGHTS-OF-WAY AND EASEMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY ALL THE LIMITS OF RIGHTS-OF-WAY AND EASEMENTS IN ORDER TO AVOID ENCROACHMENTS.

15. THE CONTRACTOR SHALL REPLACE SOD 3 FEET FROM ALL DISTURBED AREAS; STRUCTURES, SIDEWALKS, ROADS, AND POND IMPROVEMENT AREAS. ALL OTHER DISTURBED AREAS SHALL BE SODDED OR SEEDED AND MULCHED AS SHOWN ON THE DRAWINGS.

16. THE CONTRACTOR SHALL REPLACE, BUT NOT BE LIMITED TO, PAVING, STABILIZED EARTH, DRIVEWAYS OR ANY ITEMS DISTURBED OR DAMAGED BY THE CONSTRUCTION OR IT'S RELATED ACTIVITIES. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY THE CITY OF PALM COAST.

17. THE DISPOSAL OF ANY EXCESS EARTHWORK MATERIAL; CONCRETE, PIPE AND OTHER DEBRIS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

18. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS WORK WITH THE WORK SCHEDULE OF ADJACENT CONTRACTORS AS WELL AS THE STAFF OF THE CITY OF PALM COAST.

19. THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST UTILITY DEPARTMENT 72 HOURS BEFORE COMMENCING WITH CONSTRUCTION.

20. WHERE MINIMUM SEPARATION BETWEEN UTILITIES IS REQUIRED, THE DISTANCE SHALL BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE.

21. PVC PIPE LESS THAN 2-INCHES SHALL CONFORM TO ASTM D1785. THREADED PIPE AND FITTINGS SHALL BE SCH. 80 AND CONFORM TO ASTM D2464. UNTHREADED PIPE AND FITTINGS SHALL BE SCH. 40 WITH SOLVENT CEMENTED JOINTS. CEMENTED JOINTS AND FITTINGS SHALL COMPLY WITH ASTM D2466 AND D2855.

22. 2", 2 1/2" AND 3" PVC PIPE SHALL CONFORM TO ASTM D2241. PIPE SHALL BE FURNISHED IN 20-FOOT LENGTHS, SHALL HAVE DIMENSION RATIO DR21 AND A WATER PRESSURE RATING OF 200 PSI.

23. PVC PIPE 4-INCHES THROUGH 60-INCHES SHALL CONFORM TO AWWA STANDARD C900 (DR18).

24. DUCTILE IRON PIPE SHALL CONFORM TO AWWA STANDARD C151, PRESSURE CLASS 350 FOR 4-INCH THROUGH 12-INCH DIAMETER PIPE; PRESSURE CLASS 250 FOR PIPE LARGER THAN 12-INCHES IN DIAMETER UNLESS NOTED OTHERWISE. DUCTILE IRON PIPE AND FITTINGS FOR PRESSURE SERVICE SHALL HAVE AN INTERIOR LINING CONSISTING OF A MINIMUM OF 40 MILS OF A CERAMIC EPOXY COATING. REFER TO SPECIFICATIONS FOR DETAILS.

	FORCE MAIN GENERAL NOTES	SCALE: NONE	
		########	
		REVISED 7/22	

FORCE MAIN GENERAL NOTES

SHEET 2 OF 2

25. PVC FORCE MAINS SHALL BE SOLID GREEN IN COLOR. DUCTILE IRON FORCE MAINS SHALL INCORPORATE 3 GREEN STRIPES, PAINTED AT THE TOP AND SIDES OF THE PIPE, ALONG IT'S ENTIRE LENGTH.

26. FITTINGS FOR BOTH PVC AND DUCTILE IRON PIPE SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53, COMPACT DUCTILE IRON FITTINGS.

27. VALVES FOR FORCE MAINS SHALL BE DUCTILE IRON, EPOXY COATED PLUG VALVES. REFER TO THE SPECIFICATIONS FOR DETAILS.

28. ALL POLYETHYLENE PRESSURE PIPE AND FITTINGS 4-INCH AND LARGER SHALL CONFORM TO AWWA STANDARD C906-99 (DR11) PRESSURE CLASS 160 AND ASTM STANDARD D3350, D2837, PE 3408.

29. ALL FORCE MAINS SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH AWWA STANDARD C600 FOR DUCTILE IRON PIPE; C900 FOR PVC PIPE; ASME B31.1 POWER PIPING, SECTION 137 PRESSURE TESTS FOR HDPE PIPE; PP1TR-31 UNDERGROUND INSTALLATION OF POLYOLEFIN PIPING, SECTION 7. HYDROSTATIC TESTING FOR ALL PIPE MATERIAL SHALL BE 150 PSI FOR A MINIMUM OF 2 HOURS.

30. IN AREAS WHERE CONSTRUCTION ACTIVITIES RESTRICT NORMAL ACCESS TO PROPERTIES, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALTERNATE ACCESS ROUTES, WHICH ARE SUBJECT TO APPROVAL BY THE CITY OF PALM COAST.

31. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.

32. ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD), 1988.

33. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL EQUIPMENT AND MATERIALS FOR APPROVAL BY THE CITY OF PALM COAST PRIOR TO PROCUREMENT.

34. THE CONTRACTOR SHALL VIDEO THE ENTIRE WORK AREA PRIOR TO COMMENCEMENT OF CONSTRUCTION. ONE COPY OF THE PRE-CONSTRUCTION VIDEO SHALL BE SUBMITTED TO THE CITY OF PALM COAST.

35. PIPE MEASUREMENTS SHALL BE FROM CENTER TO CENTER OF FITTINGS OR VALVES, UNLESS OTHERWISE NOTED.

36. CONFLICT BETWEEN WATER MAINS, STORM AND SANITARY SEWER SYSTEMS, REUSE WATER MAINS AND PROPOSED FORCE MAINS SHALL BE RESOLVED BY ADJUSTING PROPOSED FORCE MAINS AS NECESSARY. SEE "UTILITY SEPARATION DETAIL" AND ACCOMPANYING NOTES AS SHOWN ON THE CIVIL DETAIL (CD) SHEETS OF THE PLAN SET.

37. ALL EXCAVATIONS SHALL BE BACKFILLED AT THE END OF EACH WORK DAY.

38. FOR A SCHEDULED INTERRUPTION OF FORCE MAIN FLOW, THE CONTRACTOR SHALL NOTIFY THE CITY OF PALM COAST 72 HOURS IN ADVANCE.

39. DURING NORMAL FORCE MAIN FLOW INTERRUPTION, THE CONTRACTOR SHALL PROVIDE UNINTERRUPTED BY-PASS FLOW AND SHALL PROVIDE ALL EQUIPMENT NECESSARY TO ACCOMPLISH THE SAME IN THE FORM OF, BUT NOT LIMITED TO THE FOLLOWING: POWER, PUMPS, PIPING, APPURTENANT VALVES AND FITTINGS AND / OR SEPTIC TANKER TRUCK PUMPING, HAULING AND DISPOSAL SERVICES.

40. ALL CONNECTIONS TO EXISTING FORCE MAINS SHALL BE MADE BY THE CONTRACTOR ONLY AFTER THE CONNECTION PROCEDURE AND HIS WORK SCHEDULE REGARDING THIS ACTIVITY ARE REVIEWED AND APPROVED BY THE CITY OF PALM COAST. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO THE OWNER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO COMMENCEMENT OF CONNECTION ACTIVITIES. IN THE REQUEST, THE CONTRACTOR SHALL OUTLINE THE FOLLOWING:

A. POINTS OF CONNECTION, FITTINGS TO BE USED AND METHOD OF FLUSHING.

B. ESTIMATED CONSTRUCTION TIME FOR SAID ACTIVITY.

C. PROPOSED BYPASS METHOD. (REF. NOTES 38 & 39.)

THE CITY OF PALM COAST SHALL REVIEW THE SUBMITTAL AND SHALL INFORM THE CONTRACTOR REGARDING APPROVAL OR DENIAL OF THEIR REQUEST. IF THEIR REQUEST IS REJECTED BY THE CITY OF PALM COAST, THE CONTRACTOR MAY RESUBMIT THEIR REQUEST MODIFYING IT TO THE SATISFACTION OF THE OWNER. ALL CONNECTIONS SHALL BE MADE ONLY ON THE AGREED UPON TIME AND DATE ESTABLISHED IN THE PROCEDURE.

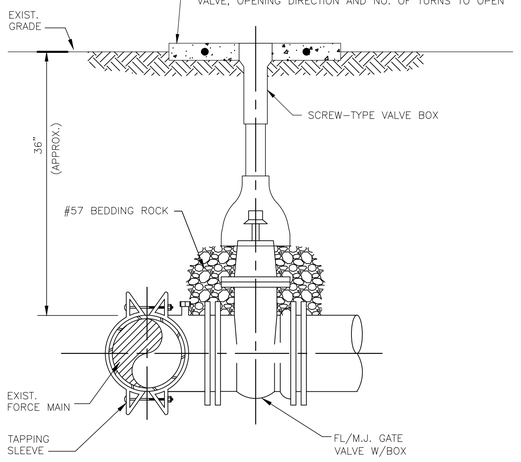
41. ALL FORCE MAINS SHALL HAVE AN "EARLY WARNING" PROTECTION TAPE INSTALLED CONTINUOUSLY ALONG THE ENTIRE LENGTH. THE PROTECTION TAPE SHALL BE INSTALLED DURING THE BACKFILLING 12 INCHES ABOVE AND DIRECTLY OVER THE PIPE AND BE CONTINUOUSLY MARKED WITH "CAUTION – FORCE MAIN BURIED BELOW". THE TAPE SHALL BE PLASTIC, NON-METALLIC AND BE GREEN IN COLOR.

42. ALL PVC FORCE MAINS SHALL BE CONTINUOUSLY UNDERLAIN WITH 10 GAGE, SOLID STRAND, THNN MARKING WIRE. THE WIRE SHALL HAVE GREEN INSULATION AND INSTALLATION SHALL CONFORM TO THE DETAILED DRAWINGS.

43. ALL BURIED UTILITY PIPES TO BE ABANDONED IN PLACE SHALL BE CUT, PLUGGED AND FILLED WITH GROUT.

44. IT IS THE INTENT OF THIS CONTRACT FOR THE CONTRACTOR TO MAINTAIN CONTINUOUS RESTORATION BEHIND THE UTILITY WORK ON A DAILY BASIS. NO MORE THAN FIFTY (50) LINEAR FEET OF UNRESTORED LINE WORK SHALL REMAIN AT THE END OF EACH WORK DAY.

	FORCE MAIN GENERAL NOTES	SCALE: NONE	
		FIG. SS-2	
		REVISED 3/19	

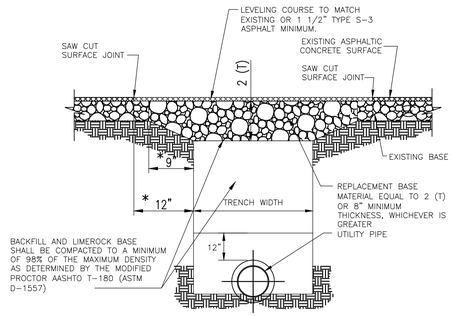


NOTES:

1. TAPPING VALVE SHALL BE A RESILIENT SEAT GATE VALVE, EPOXY COATED, INSIDE AND OUTSIDE.

2. TAPPING SLEEVES SHALL BE STAINLESS STEEL.

	FORCE MAIN WET TAP DETAIL	SCALE: NONE	
		FIG. SS-20	
		REVISED 1/07	



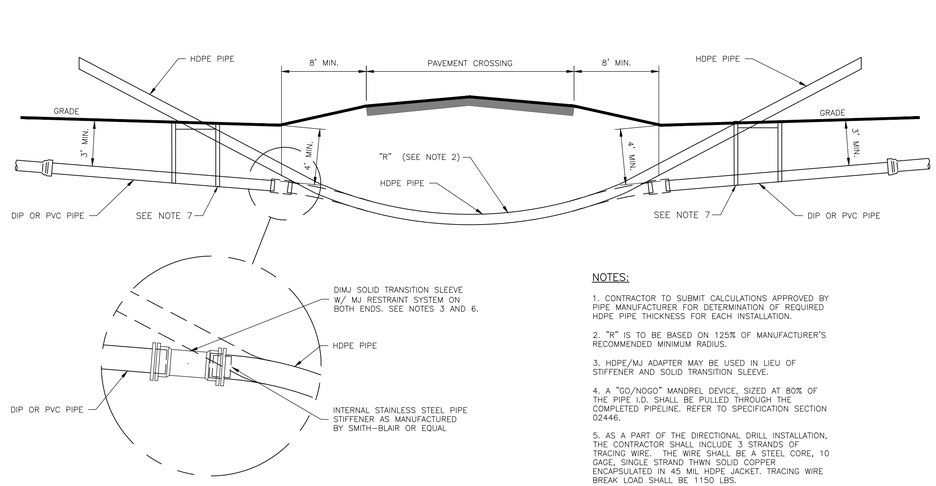
ASPHALTIC CONCRETE PATCH

NOTES:

1. ALL PUBLIC ROADS AND PAVED DRIVE CROSSINGS SHALL BE BACKFILLED WITH COMMON FILL MATERIAL AND TOPPED WITH AT LEAST 8" IN THICKNESS OF LIMEROCK BASE COURSE MATERIAL DURING CONSTRUCTION OF UTILITY TRENCH.

2. IN AREAS WHERE ABOVE DETAILS DEVIATE FROM COUNTY AND/OR CITY STANDARDS, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR TO CONFORM TO SAID STANDARDS.

3. ALL EXCAVATIONS SHALL COMPLY WITH THE TRENCH SAFETY ACT (F.S. 553.60 THRU 553.64, LAWS OF FLORIDA). LATEST EDITION.



CONNECTION DETAIL (TYP. BOTH SIDES)

NOTES:

1. CONTRACTOR TO SUBMIT CALCULATIONS APPROVED BY PIPE MANUFACTURER FOR DETERMINATION OF REQUIRED HDPE PIPE THICKNESS FOR EACH INSTALLATION.

2. "R" IS TO BE BASED ON 125% OF MANUFACTURER'S RECOMMENDED MINIMUM RADIUS.

3. HDPE/MJ ADAPTER MAY BE USED IN LIEU OF STIFFENER AND SOLID TRANSITION SLEEVE.

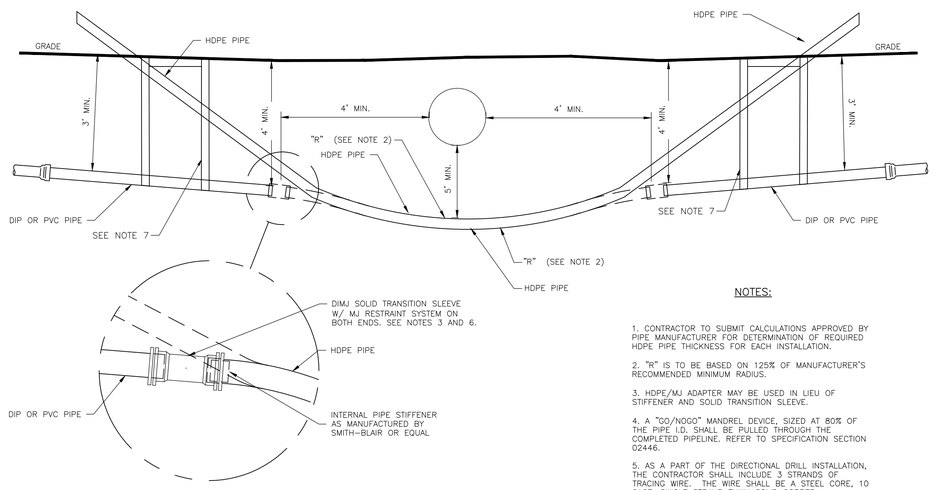
4. A "GO/NOGO" MANDREL DEVICE, SIZED AT 80% OF THE PIPE I.D. SHALL BE PULLED THROUGH THE COMPLETED PIPELINE. REFER TO SPECIFICATION SECTION 02446.

5. AS A PART OF THE DIRECTIONAL DRILL INSTALLATION, THE CONTRACTOR SHALL INCLUDE 3 STRANDS OF TRACING WIRE. THE WIRE SHALL BE A STEEL CORE, 10 GAGE, SINGLE STRAND THWN SOLID COPPER ENCAPSULATED IN 45 MIL HDPE JACKET. TRACING WIRE BREAK LOAD SHALL BE 1150 LBS.

6. RESTRAIN 20LF OF PIPE FROM TRANSITION SLEEVE. IF A FITTING IS USED AT TRANSITION, REFER TO RESTRAINED JOINT DETAIL (FIG. W-9).

7. METER BOXES SHALL BE 13"X23" HYLINE CHA1324155 BOX INSTALLED AT THE ENDS OF HDD'S TO SERVE AS SPLICE BOXES FOR TRACER WIRE.

DIRECTIONAL BORE PAVEMENT CROSSING



CONNECTION DETAIL (TYP. BOTH SIDES)

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8.

TYPICAL BORE PIPE CROSSING

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
ORMOND BEACH, FL 32174
TEL: (386) 673-7640
FAX: (386) 673-3927

THE HENRY HOTEL REDEVELOPMENT

FLAGLER COUNTY, FL

DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER	KAB	DRAWN BY	XXX
FILE	2405-1	PROJECT	2405-1
DATE	2-26-2024	SCALE	AS NOTED

NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 88690

SHEET
C009

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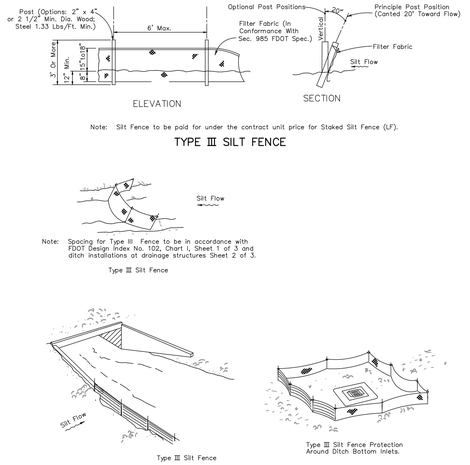
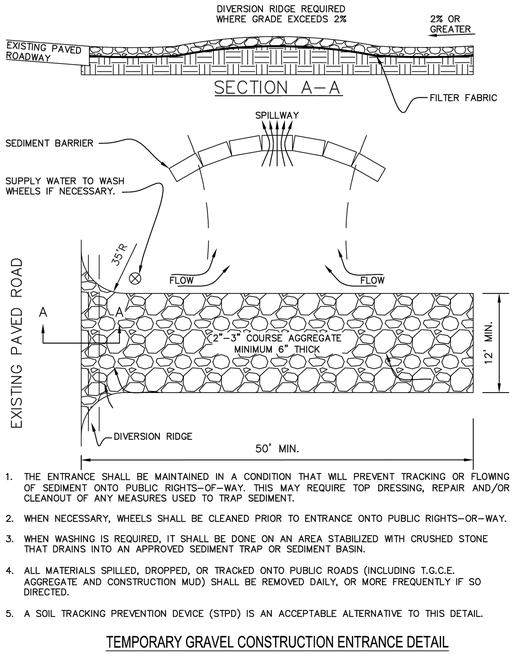


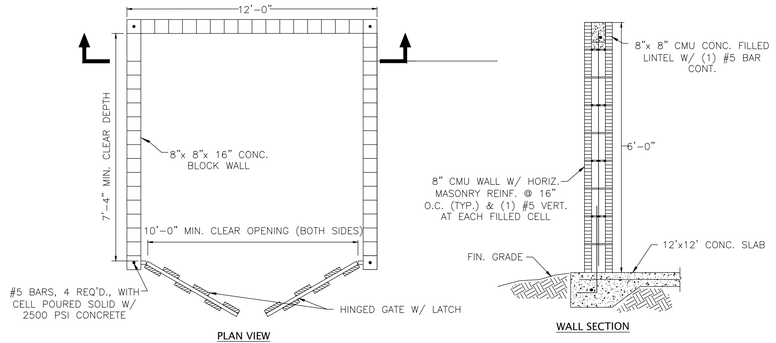
EROSION CONTROL – SILT FENCE

NTS



1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS–OF–WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS–OR–WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.
4. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING T.G.C.E. AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED.
5. A SOIL TRACKING PREVENTION DEVICE (STPD) IS AN ACCEPTABLE ALTERNATIVE TO THIS DETAIL.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE DETAIL



NOTES:

1) BLOCK MUST BE FINISHED WITH BRICK TO MATCH BUILDING.

3) SHRUB PLANTINGS REQUIRED (MIN. 3–FOOT WIDE PLANTING AREA) AROUND PERIMETER WALLS (EXCEPT OPENING).

4) GATES TO BE CONSTRUCTED OF WOOD AND STAINED TO MATCH BRICK

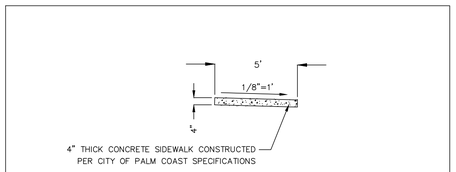
5) THE CITY HAS A CONTRACTOR FOR ROLL OFF SERVICE. NO OTHER CONTRACTOR SHALL BE PERMITTED TO PROVIDE THIS SERVICE. VERIFIY COMPANY UNDER CONTRACT WITH THE CITY.

6) DUMPSTER ENCLOSURE HEIGHT MAY BE INCREASED TO A MAXIMUM HEIGHT OF EIGHT (8) FEET.

7) DOUBLE DUMPSTER ENCLOSURE IS 2 SINGLE ENCLOSURES SHARING A COMMON CENTER DIVIDER BLOCK WALL,

SINGLE USE AND DOUBLE USE DUMPSTER ENCLOSURES

NTS

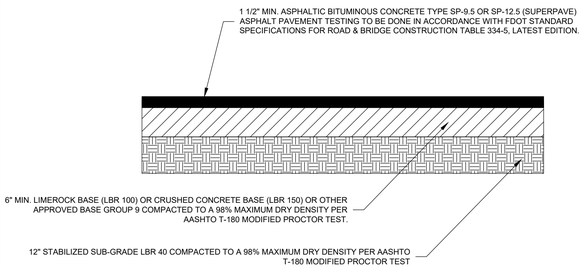


NOTES:

1. USE PLAIN PORTLAND CEMENT CONCRETE W/MAX. DEVELOPED COMPRESSIVE STRENGTH OF 2500 PSI IN 28 DAYS.
2. PROVIDE EXPANSION JOINTS EVERY 5'.
3. PROVIDE BROOM FINISH.

SIDEWALK DETAIL

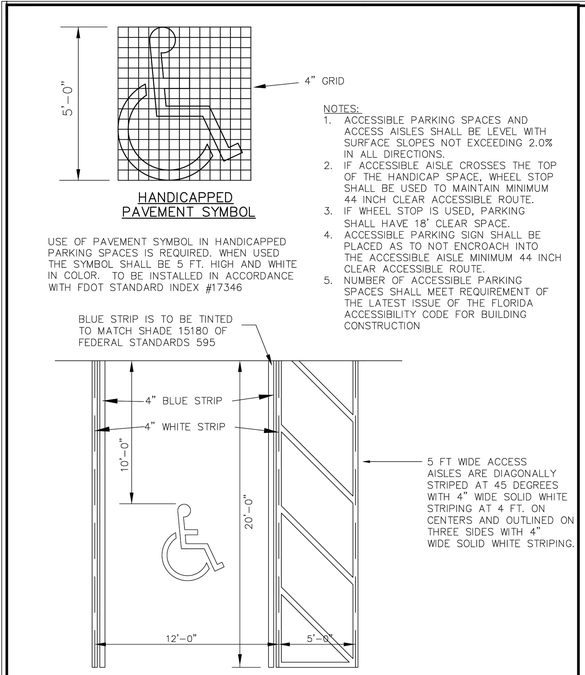
N.T.S.



NOTE: REFER TO AND FOLLOW GEOTECHNICAL REPORT PREPARED BY ECS FLORIDA, LLC DATED 06/27/24 WHICH BY REFERENCE IS A PART OF THESE PLANS.

PAVEMENT SECTION

N.T.S.



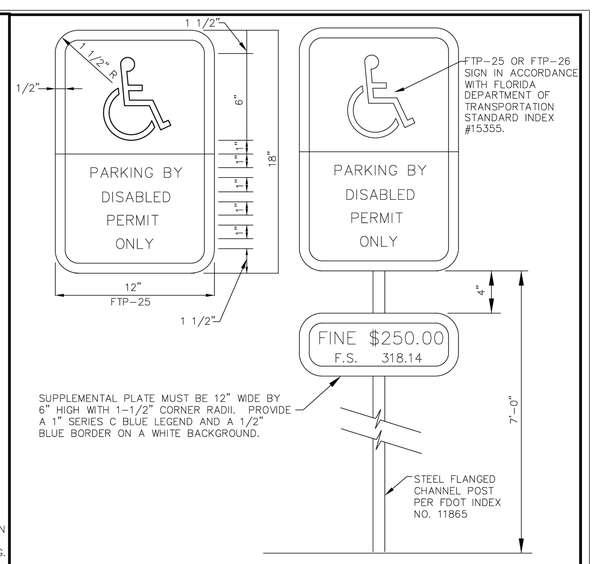
NOTES:

1. ACCESSIBLE PARKING SPACES AND ACCESS AISLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2.0% IN ALL DIRECTIONS.
2. IF ACCESSIBLE AISLE CROSSES THE TOP OF THE HANDICAP SPACE, WHEEL STOP SHALL BE USED TO MAINTAIN MINIMUM 44 INCH CLEAR ACCESSIBLE ROUTE.
3. IF WHEEL STOP IS USED, PARKING SHALL HAVE 18' CLEAR SPACE.
4. ACCESSIBLE PARKING SIGN SHALL BE PLACED AS TO NOT ENCROACH INTO THE ACCESSIBLE AISLE MINIMUM 44 INCH CLEAR ACCESSIBLE ROUTE.
5. NUMBER OF ACCESSIBLE PARKING SPACES SHALL MEET REQUIREMENT OF THE LATEST ISSUE OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION

STANDARD CONSTRUCTION DETAIL

TYPICAL MARKINGS FOR HANDICAPPED PARKING

NTS



1.) TOP PORTION OF SIGN TO HAVE A REFLECTIVE BLUE BACKGROUND WITH WHITE REFLECTIVE SYMBOL AND BORDER.

2.) BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.

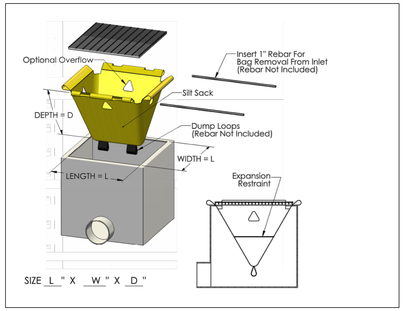
3.) SIGN MAY BE FABRICATED ON ONE PANEL OR TWO.

4.) SIGNS ARE TO BE MOUNTED AT STANDARD HEIGHT. (7' FROM PAVEMENT TO BOTTOM OF SIGN.)

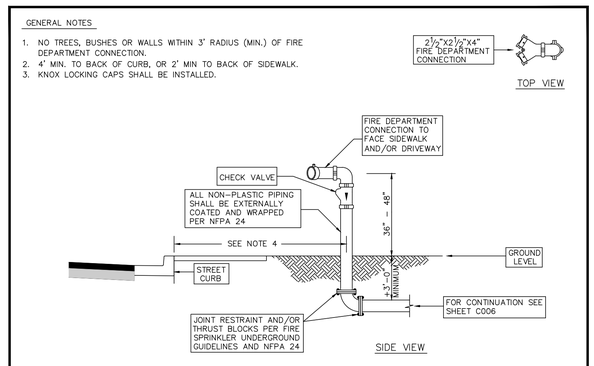
STANDARD CONSTRUCTION DETAIL

HANDICAP PARKING SIGN DETAIL

NTS



INLET PROTECTION DETAIL



FIRE DEPARTMENT CONNECTION DETAIL

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
ORMOND BEACH, FL 32174
TEL: (386) 673-7640
FAX: (386) 673-3927

THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER	KAB	DRAWN BY	XXX
FILE	2405-1	PROJECT	2405-1
DATE	2.26.2024	SCALE	AS NOTED

NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 88690

SHEET
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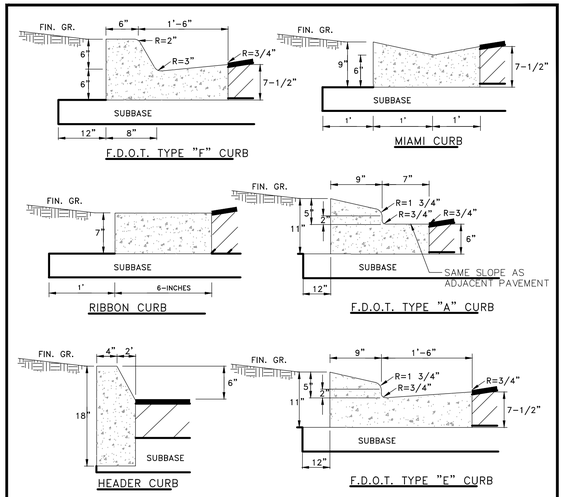
P:\2405-1 Henry Motel Renovations\Design\Revit\cover\Details.dwg, 07/31/2024 5:7:26, 7/26/2024 1:09:14 PM



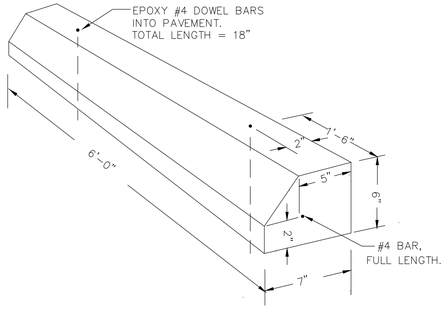
NOTES:

1. ALL CURBS TO BE CONSTRUCTED OF 28 DAY, 2500 P.S.I. CONCRETE
2. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED EVERY 500', CONSTRUCTION JOINT REQUIRED EVERY 10' MAXIMUM (4' MINIMUM).
3. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED AT EACH SIDE OF ALL STORM INLET STRUCTURES AND AT ALL RADIUS POINTS.
4. 6" SUBBASE TO BE COMPACTED AND TESTED TO 98% DENSITY WITH MINIMUM L.B.R. 40 BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
5. EXPANSION JOINT MATERIAL MUST COVER THE ENTIRE CROSS SECTION OF CURB.
6. ALL EXPOSED CORNERS TO BE ROUNDED AT 3/4" MIN. RADIUS.
7. ALL CURB ENDS THAT DO NOT TIE INTO OTHER FACILITIES SHALL TRANSITION DOWN TO PAVEMENT GRADE IN 24 INCHES.

STANDARD CONSTRUCTION DETAIL

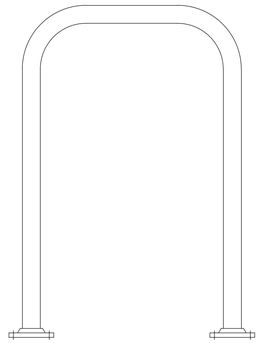
STANDARD CURB CONSTRUCTION

NTS



WHEEL STOP DETAIL

N.T.S

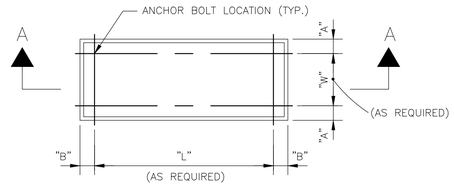


BICYCLE RACK (2 SPACES)

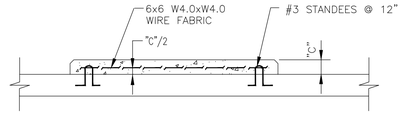
N.T.S.

INSTALL SURFACE MOUNTED BICYCLE RACK

PARK IT BICYCLE RACK (OR EQUIVALENT)
MODEL 7ZF7026
WITH SURFACE MOUNT COVERS
COLOR: BLACK

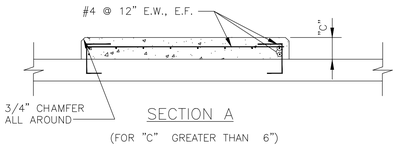


PLAN



SECTION A

(FOR "C" EQUAL TO/LESS THAN 6")



SECTION A

(FOR "C" GREATER THAN 6")

NOTES:

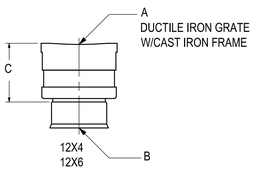
1. "A" AND "B" SHALL BE AS REQUIRED BY THE EQUIPMENT MANUFACTURER BUT NOT LESS THAN 3"
2. "C" SHALL BE AS SHOWN ON THE PLANS OR AS REQUIRED TO SET THE EQUIPMENT AT THE REQUIRED ELEVATION, BUT SHALL NOT BE LESS THAN 3".

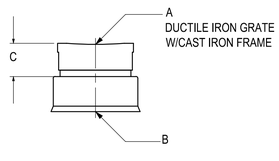
EQUIPMENT PAD DETAIL

SCALE: NONE

FIG. S-4

REVISED 1/07





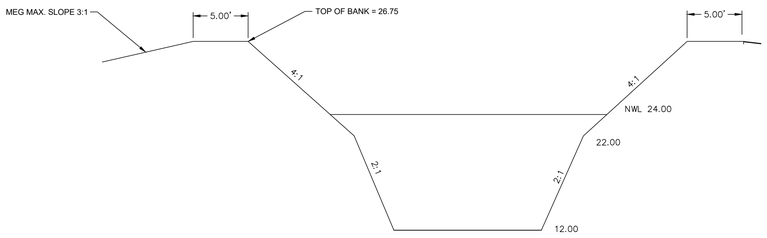
ADS BASIN DETAIL

N.T.S.

A	B	C
12"	4"	10.50
12"	6"	11.50
12"	8"	11.50
12"	10"	11.25
12"	12"	6.00

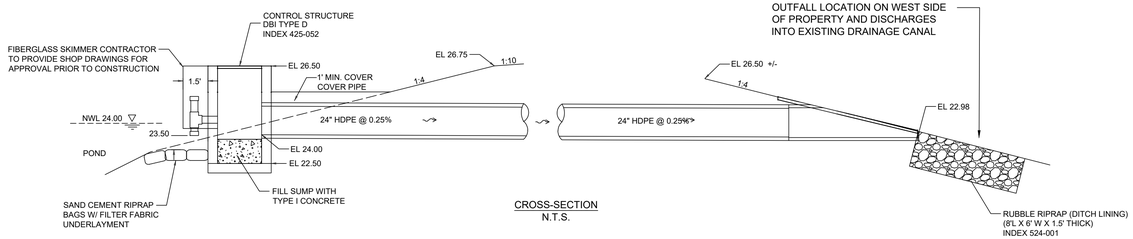
Nyloplast

12"
DRAIN



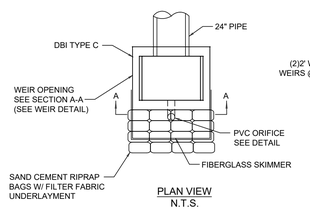
WET DETENTION POND

N.T.S.



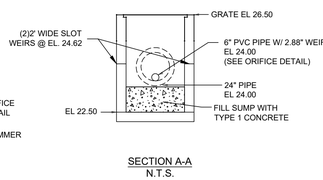
CROSS-SECTION

N.T.S.



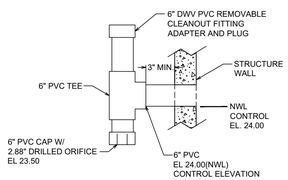
PLAN VIEW

N.T.S.



SECTION A-A

N.T.S.



PVC ORIFICE DETAIL

N.T.S.

POND OUTFALL STRUCTURE

N.T.S.

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
ORMOND BEACH, FL 32174
TEL: (386) 673-7640
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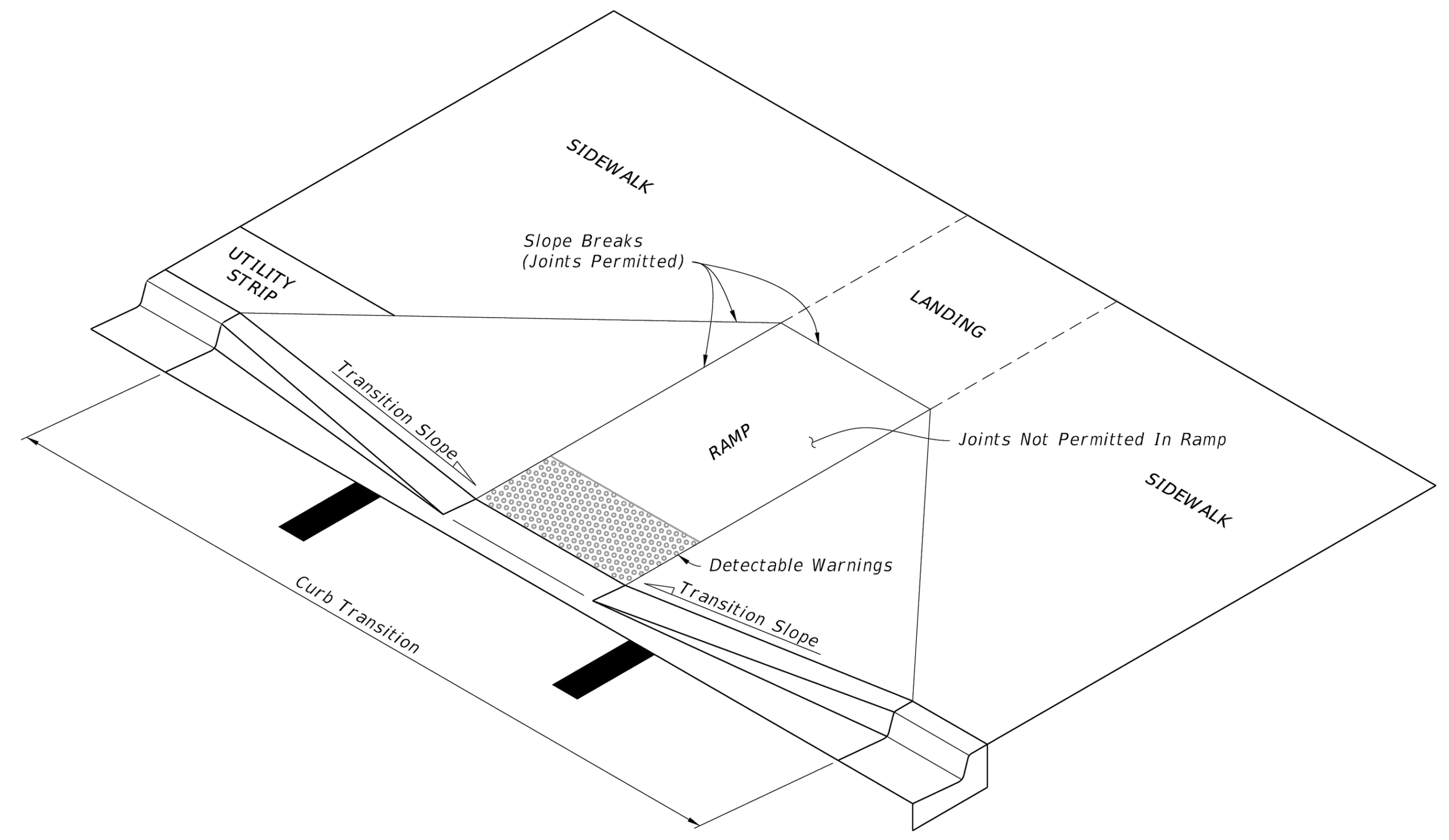
DATE	2.26.2024	SCALE	AS NOTED

NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 89590

SHEET
C011

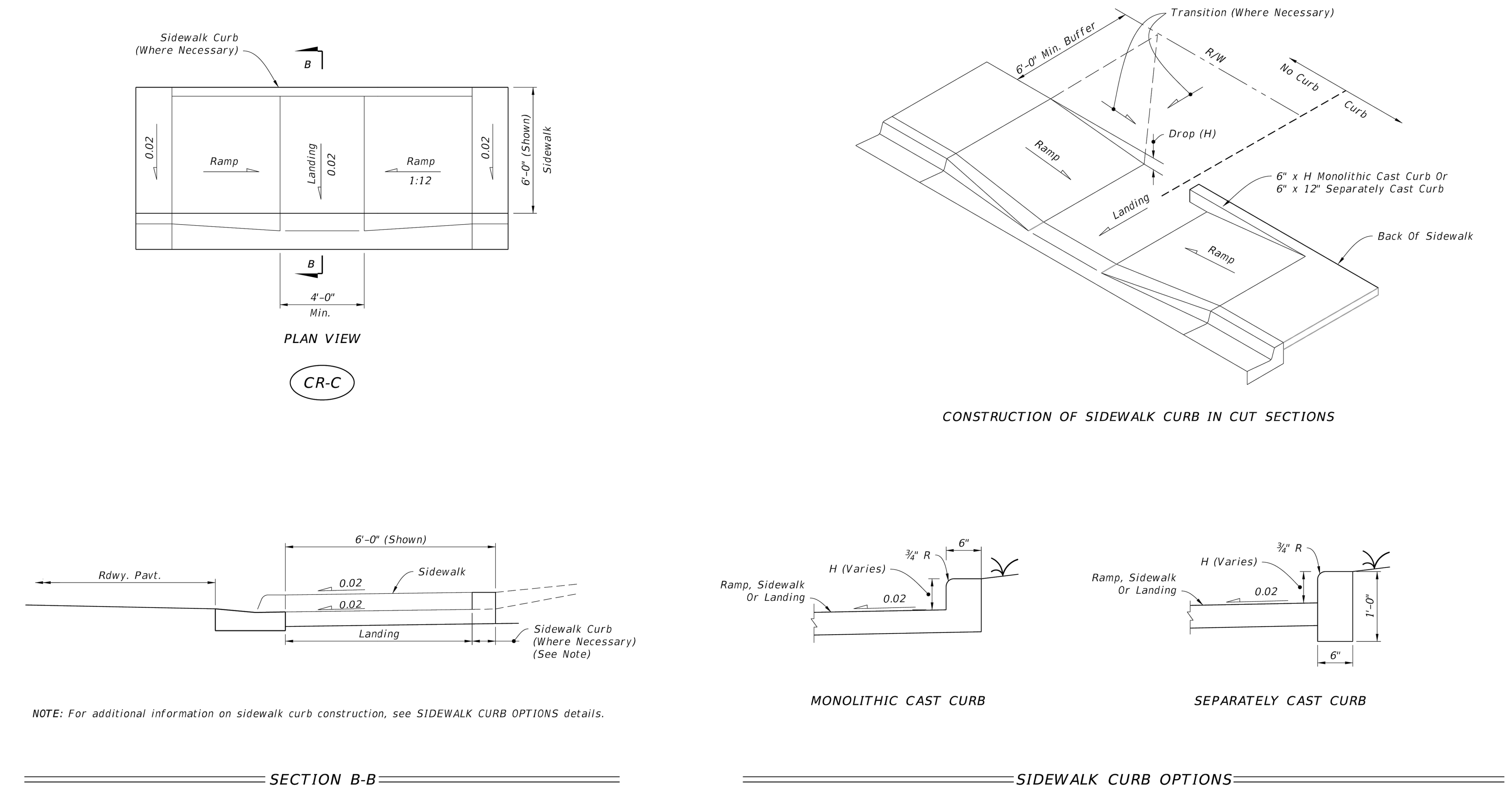
GENERAL NOTES:

1. Cross Slopes and Grades:
   - A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
   - B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
   - C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
   - D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.
2. Curb, Curb and Gutter and/or Sidewalk:
   - A. Refer to Index 522-001 for concrete thickness and sidewalk details.
   - B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
   - C. Width of Curb Ramp is 4'-0" minimum. Match sidewalk or Shared Use Path width as shown in the Plans.
3. Curb Ramp Alpha-Identification:
   - A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
   - B. Alpha-identifications CR-I and CR-J are intentionally omitted.
4. Detectable Warnings:
   - A. Install detectable warnings in accordance with Specification 527.
   - B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
   - C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.



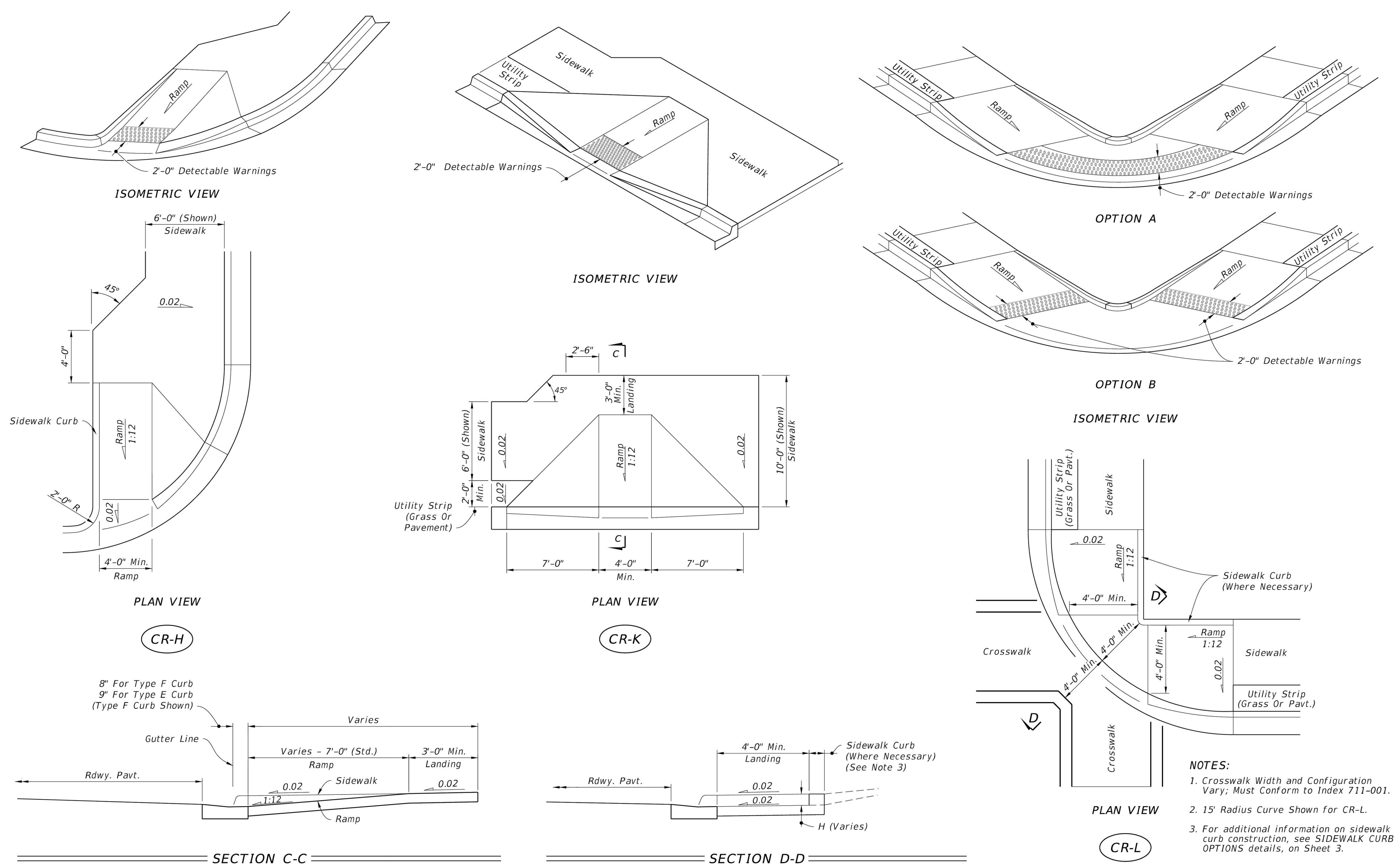
CURB RAMP NOMENCLATURE

LAST REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX	SHEET
11/01/21					522-002	1 of 7



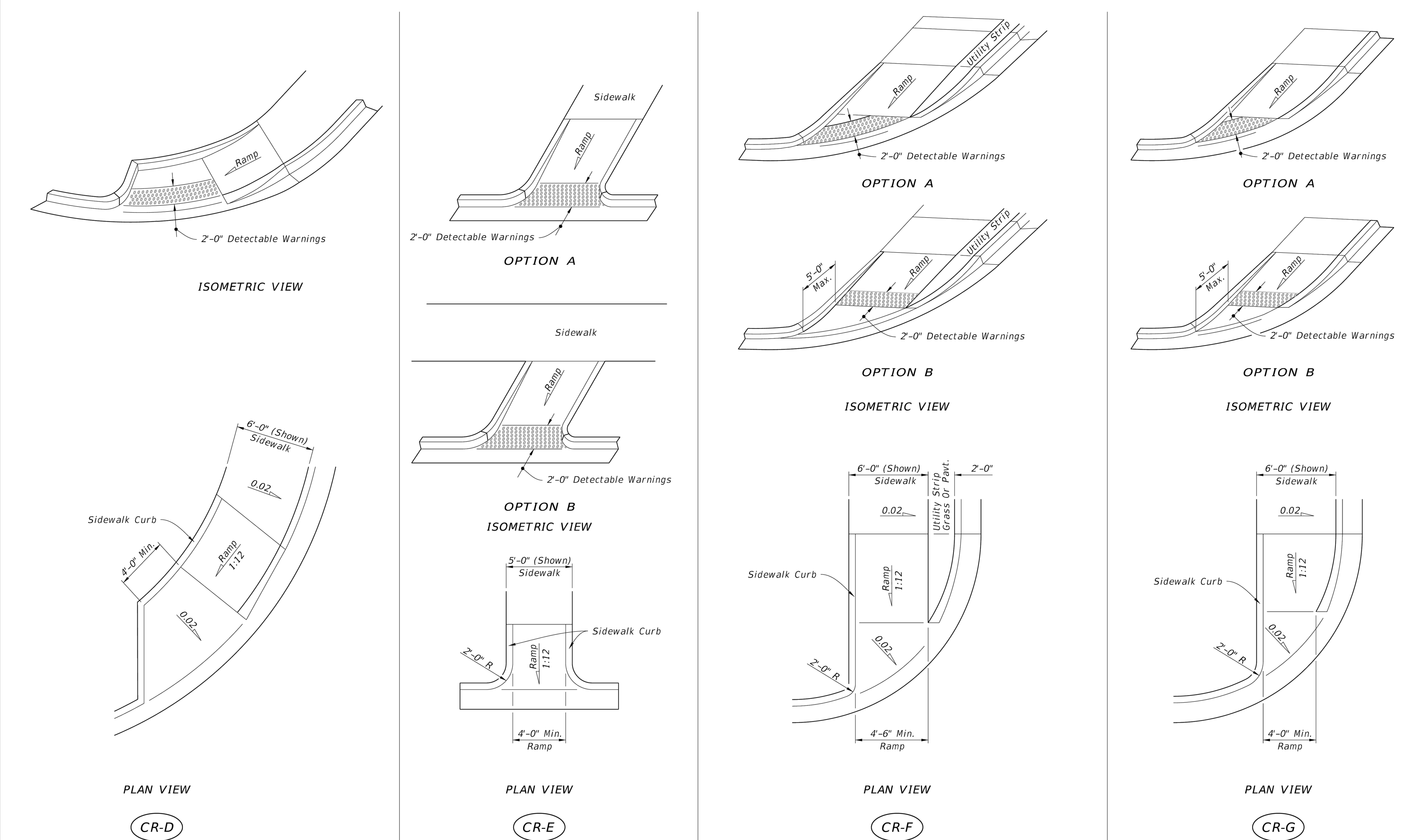
SIDEWALK CURB RAMPS CR-C AND SIDEWALK CURB

LAST REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX	SHEET
11/01/20					522-002	3 of 7



SIDEWALK CURB RAMPS CR-H, CR-K & CR-L

LAST REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX	SHEET
11/01/20					522-002	5 of 7



SIDEWALK CURB RAMPS CR-D, CR-E, CR-F & CR-G

LAST REVISION	DESCRIPTION:	FDOT	FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX	SHEET
11/01/21					522-002	4 of 7

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THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

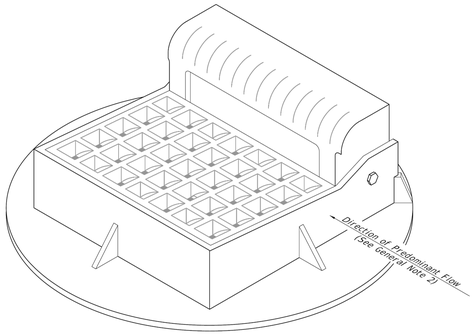
DATE	SCALE	FILE	PROJECT	DESIGNER	DRAWN BY
2-26-2024	AS NOTED	2405-1	2405-1	KAB	XXX

SHEET C012

GENERAL NOTES:

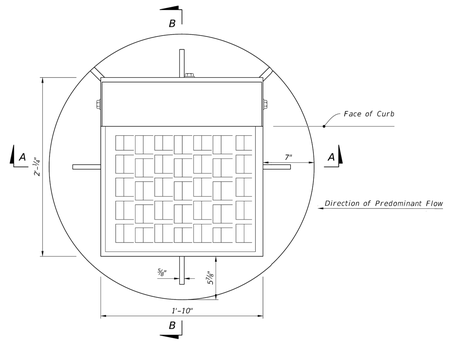
1. Work this Index with Index 425-001 and Index 425-010.
2. Orient grate with vanes directed toward predominant flow.
3. Provide 1½" minimum cover for steel in slab tops unless otherwise shown. Tops may be either cast-in-place or precast concrete.
4. Place top slab openings such that 2 edges of inlet frame will be located directly above bottom or riser walls, for Alternate B applications.
5. When used on a structure with dimensions larger than those detailed on Sheet 3 and risers are not applied, construct the top slab using Index 425-010 with the slab opening adjusted to 22"x24". The "Special Top Slab" on Index 425-010 is not permitted.
6. Frame may be adjusted with one to six courses of brick.
7. Vaned grates with approximately equal openings that satisfy AASHTO HL-93 loading are permitted. Provide reversible (right or left) grates.

TABLE OF CONTENTS:

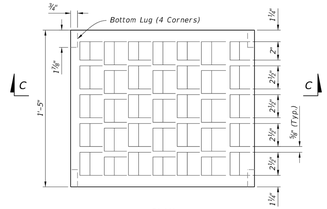


CURB INLET TOP TYPE 10

LAST REVISION	DESCRIPTION:	FDOT			INDEX	SHEET
11/01/20		FY 2024-25 STANDARD PLANS	CURB INLET TYPE 10		425-025	1 of 3



PLAN



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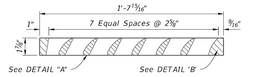
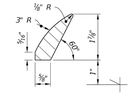


SECTON C-C



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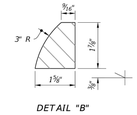
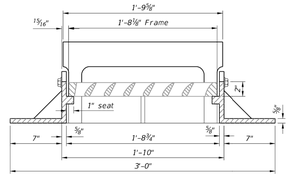
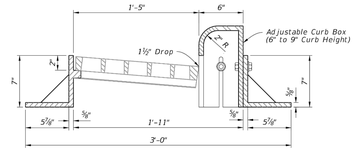


DETAIL "B"

GRATE DETAILS



SECTION A-A

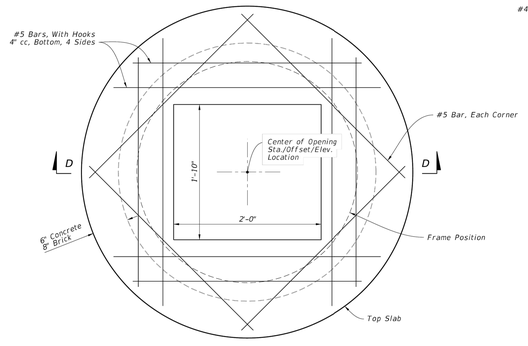


SECTION B-B

FRAME AND GRATE DETAILS

FRAME AND GRATE DETAILS

LAST REVISION	DESCRIPTION:	FDOT			INDEX	SHEET
11/01/20		FY 2024-25 STANDARD PLANS	CURB INLET TYPE 10		425-025	2 of 3



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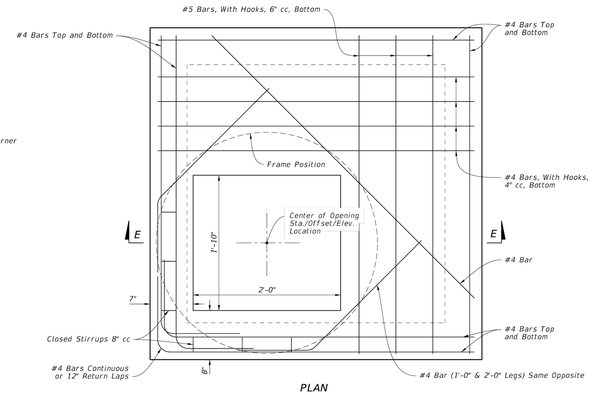

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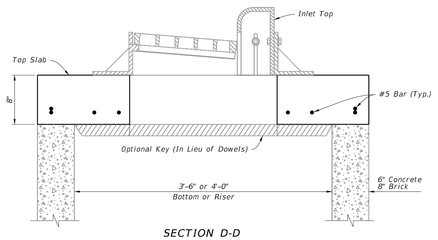
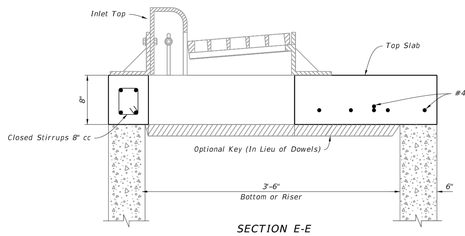


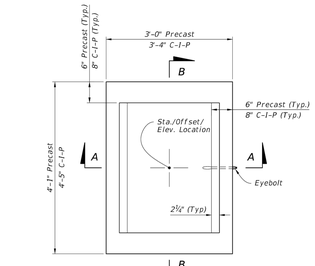
SECTION D-D



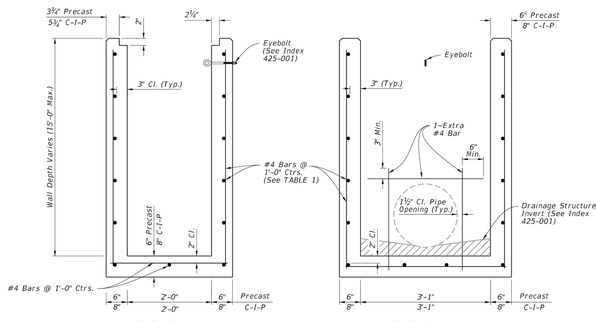
SECTION E-E

TOP SLAB DETAILS

LAST REVISION	DESCRIPTION:	FDOT			INDEX	SHEET
11/01/20		FY 2024-25 STANDARD PLANS	CURB INLET TYPE 10		425-025	3 of 3

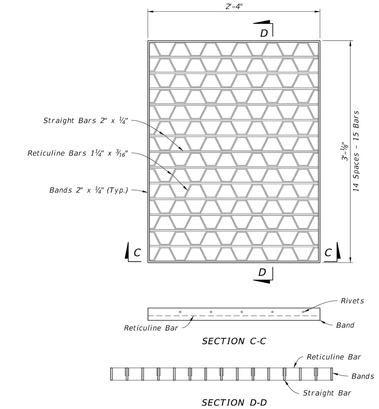


PLAN



SECTION A-A
(Pipe Opening Not Shown)

SECTION B-B
(Pipe Opening Shown)



SECTION C-C

SECTION D-D

STEEL GRATE DETAIL
(Approx. 104 Lbs. – See Sheet 7 For Cast Iron Grates)

TABLE 1
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWF
0' – 15'	A12	0.20	12"	8"

NOTES:

1. Grate, Concrete Apron, and Sod not shown on structure detail.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.

DIMENSIONAL AND REINFORCING DETAILS

TYPE C - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

LAST REVISION	DESCRIPTION:	FDOT			INDEX	SHEET
10/01/20		FY 2023-24 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H		425-052	2 of 14

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THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DATE	2.26.2024	SCALE	AS NOTED
FILE	2405-1	PROJECT	2405-1
DESIGNER	KAB	DRAWN BY	XXX

NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 88690

SHEET
C013

GENERAL NOTES:

1. Unless otherwise designated in the plans, concrete pipe mitered end sections may be used with any type of side drain pipe; corrugated steel pipe mitered end sections may be used with any type of side drain pipe except aluminum pipe; and, corrugated aluminum mitered end sections may be used with any type of side drain pipe except steel pipe. When bituminous coated metal pipe is specified for side drain pipe, construct the mitered end sections with like pipe or concrete pipe. When the mitered end section pipe is dissimilar to the side drain pipe, construct a concrete jacket in accordance with Index 430-001 or use manufacturer approved coupler.

2. Use either corrugated metal or concrete mitered end sections for corrugated polyethylene pipe (HDPE), polyvinyl-chloride pipe (PVC), steel reinforced polyethylene pipe (SRPE), and polypropylene pipe (PP). When used in conjunction with corrugated metal mitered end sections, make connection using a formed metal band specifically designated to join HDPE, PVC, SRPE, or PVC pipe. When used in conjunction with a concrete mitered end sections, construct concrete jacket in accordance with Index 430-001.

3. Use class NS concrete cast-in-place reinforced slabs for all cross drain pipes.

4. Select lengths of concrete pipe that avoid excessive connections in the assembly of the mitered end section.

5. Repair corrugated metal pipe galvanizing that is damaged during beveling and perforating.

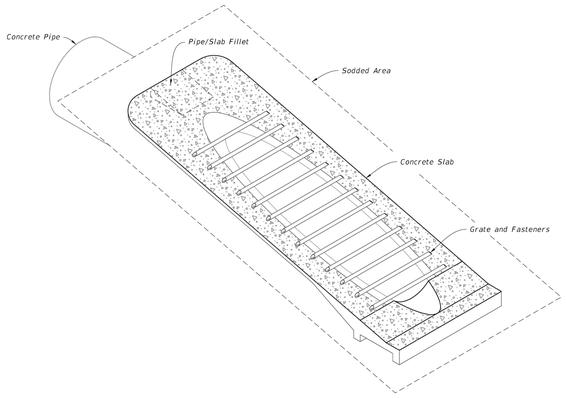
6. When existing multiple side drain pipes are spaced other than the dimensions shown in this Index, have nonparallel axes, or non-uniform sections, either construct the mitered end sections separately as single pipe or collectively as multiple pipe end sections as directed by the Engineer.

7. Saddle Slope:
   1:4 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18" diameter and 1:1 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 24"x38" or smaller and 1:2 for pipes 29"x45" or larger.
   Slope to the span line for pipe arch 28"x20" or smaller and 1:2 for pipe arch 35"x24" or larger.

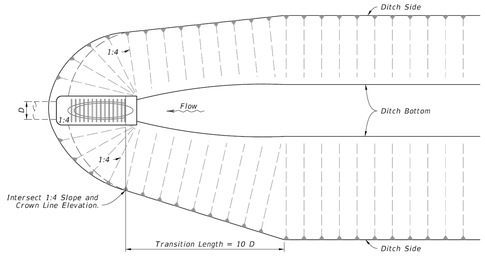
   1:2 Miter – Slope to ℄ of pipe for round pipes less than or equal to 18"diameter and 1:2 for round pipes greater than or equal to 24" diameter.
   Slope to the major axis for elliptical pipes 29"x45" or smaller and 1:1 for pipes 34"x53" or larger.
   Slope 1:1 for all pipe arch sizes.

8. Quantities shown are for estimating purposes only.

TABLE OF CONTENTS:

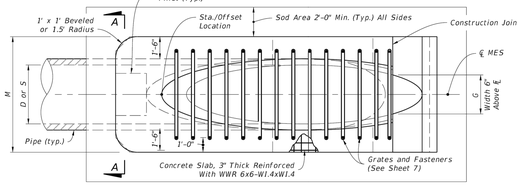


SIDEDRAIN MITERED END SECTION
(Concrete Pipe Shown, Corrugated Metal Pipe Similar)

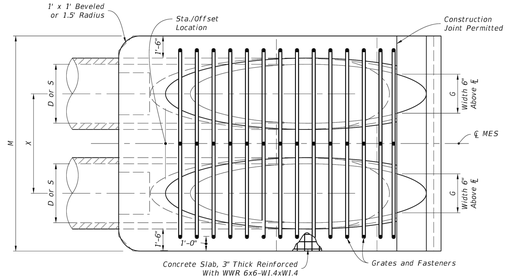


DITCH TRANSITION

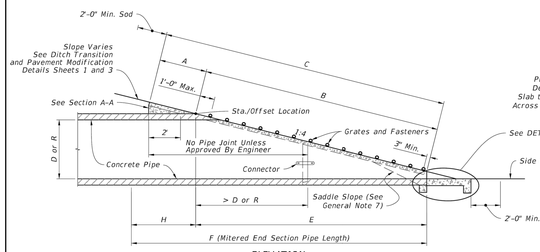
LAST REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/23					430-022	1 of 7



PLAN - SINGLE PIPE



PLAN - MULTIPLE PIPE



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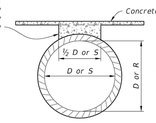
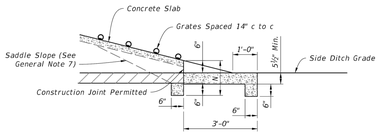


SECTION A-A
(Pipe/Slab Fillet)



DETAIL "A"

ROUND CONCRETE PIPE
(Elliptical Pipe Similar)

SINGLE AND MULTIPLE CONCRETE PIPE

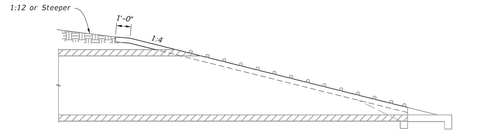
10/31/2023 11:19:18 AM

LAST REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/18					430-022	2 of 7

SINGLE AND MULTIPLE CONCRETE PIPE DIMENSIONS AND QUANTITIES

Pipe	Dia. D	Rise R	Span S	X	A	B	C	E	F	G	H	M: Single Pipe	M: Double Pipe	M: Triple Pipe	M: Quad. Pipe	N	GRATE SIZES: STANDARD WEIGHT PIPE	GRATE SIZES: EXTRA STRONG PIPE	3" CONC. SLAB (CY): Single Pipe	3" CONC. SLAB (CY): Double Pipe	3" CONC. SLAB (CY): Triple Pipe	3" CONC. SLAB (CY): Quad. Pipe	SODDING (SY): Single Pipe	SODDING (SY): Double Pipe	SODDING (SY): Triple Pipe	SODDING (SY): Quad. Pipe
Round Concrete	15"	—	—	2'-7"	2.27'	4.09'	6.36'	4.03'	8'	1.22'	4.0'	4.63'	7.21'	9.79'	12.37'	1.19'			0.76	1.16	1.54	1.94	8	10	11	12
	18"	—	—	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.85	1.28	1.71	2.17	9	10	12	13
	24"	—	—	3'-5"	2.53'	7.18'◇	9.71'	7.03' △	11'	1.73'	4.0'	5.50'	8.92'	12.33'	15.75'	1.25'			1.02	1.58	2.15	2.75	10	12	13	15
	30"	—	—	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	4.0'	6.08'	10.33'	14.58'	18.83'	1.29'	2½"	3"	1.23	1.98	2.74	3.50	12	14	15	17
	36"	—	—	5'-1"	2.87'	11.31'◇	14.18'	11.03' ◇	15'	2.24'	4.0'	6.67'	11.75'	16.83'	21.92'	1.33'	2½"	3"	1.40	2.38	3.33	4.24	13	15	17	20
	42"	—	—	6'-0"	3.05'	13.37'	16.42'	13.03'	17'	2.45'	4.0'	7.25'	13.25'	19.25'	25.25'	1.38'	2½"	3½"	1.60	2.83	4.04	5.26	14	17	19	22
	48"	—	—	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	4.0'	7.83'	14.58'	21.33'	28.08'	1.42'	2½"	3½"	1.81	3.26	4.70	6.14	15	18	21	24
	54"	—	—	7'-6"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	4.0'	8.42'	16.08'	23.75'	31.42'	1.46'	3"	4"	2.03	3.78	5.54	7.28	17	20	23	27
	60"	—	—	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	4.0'	9.00'	17.50'	26.00'	34.50'	1.50'	3"	4"	2.28	4.36	6.43	8.50	18	22	25	29
Elliptical Concrete	—	12"	18"	2'-10"	2.36'	3.06'	5.42'	3.03'	5'	1.50'	2.0'	4.92'	7.75'	10.58'	13.42'	1.21'			0.68	1.04	1.41	1.77	8	9	11	12
	—	14"	23"	3'-4"	2.44'	3.75'	6.19'	3.70'	6'	1.90'	2.3'	5.38'	8.71'	12.04'	15.38'	1.23'			0.76	1.19	1.63	2.05	9	10	12	13
	—	19"	30"	4'-0"	2.62'	5.47'	8.09'	5.36'	8'	2.37'	2.6'	6.04'	10.04'	14.04'	18.04'	1.27'	2½"	3"	0.95	1.52	2.09	2.65	10	12	13	15
	—	24"	38"	5'-0"	2.79'	7.18'	9.97'	7.03'	10'	2.85'	3.0'	6.79'	11.79'	16.79'	21.79'	1.31'	2½"	3"	1.18	1.95	2.74	3.53	11	13	15	18
	—	29"	45"	5'-11"	3.05'	8.90'	11.95'	8.70'	12'	3.19'	3.3'	7.50'	13.42'	19.33'	25.25'	1.38'	2½"	3½"	1.41	2.42	3.44	4.45	12	15	18	20
	—	34"	53"	7'-0"	3.22'	10.62'	13.84'	10.36'	13'	3.57'	2.6'	8.25'	15.25'	22.25'	29.25'	1.42'	3"	3½"	1.63	2.92	4.22	5.52	13	17	20	23
	—	38"	60"	7'-10"	3.39'	11.99'	15.38'	11.70'	15'	3.95'	3.3'	8.92'	16.75'	24.58'	32.42'	1.46'	3"	4"	1.83	3.36	4.89	6.41	14	18	21	25
	—	43"	68"	8'-11"	3.56'	13.71'	17.23'	13.36'	17'	4.28'	3.6'	9.67'	18.58'	27.50'	36.42'	1.50'	3"	4"	2.09	3.95	5.80	7.65	16	20	23	27
	—	48"	76"	9'-11"	3.73'	15.43'	19.16'	15.03'	19'	4.59'	4.0'	10.42'	20.33'	30.25'	40.17'	1.54'	3"	HSS 5"x5"/8"	2.37	4.54	6.73	8.92	17	21	26	30
	—	53"	83"	10'-8"	3.91'	17.15'	21.06'	16.70'	20'	4.77'	3.3'	11.08'	21.75'	32.42'	43.08'	1.58'	3"	HSS 5"x7"/8"	2.61	5.09	7.56	10.03	18	23	27	32
	—	58"	91"	11'-8"	4.08'	18.87'	22.95'	18.36'	22'	5.01'	3.6'	11.83'	23.50'	35.17'	46.83'	1.63'	3"	HSS 5"x9"/8"	2.91	5.77	8.64	11.50	19	24	29	35

△6.42' ◇10.40' — ▯6.25' ◇10.10' Dimensions permitted to allow use of 8' standard pipe lengths. Dimensions permitted to allow use of 12' standard pipe lengths.



PERMISSIBLE PAVEMENT MODIFICATION

CONCRETE PIPE DIMENSIONS AND QUANTITIES AND PERMISSIBLE PAVEMENT MODIFICATION

LAST REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	SIDE DRAIN MITERED END SECTION	INDEX	SHEET
11/01/19					430-022	3 of 7

SPECIFICATIONS

Notes:
1. 6" plain end inlet/outlet
2. Unit weight - w/ cast iron covers: 824 lbs. (for wet weight add 8,413 lbs.)
3. Maximum operating temperature: 150º F continuous
4. Capacities - Liquid: 1,000 gal.;
   Grease: 5,495 lbs. (753 gal.) @100GPM
   Grease: 4,959 lbs (679 gal.) @200GPM
   Solids: 211 gal.
5. Satisfies Miami DERM 99% efficiency requirements; retaining the following capacities at 99.0% efficiency:
   5,272 lbs. (722 gal.) @100GPM
   3,127 lbs. (428 gal.) @200GPM
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
11. Integral air relief / Anti-siphon / Sampling access.
12. Adjustable cover adapters provide up to 4" of additional height.
13. Designed for below-grade, above-grade, indoor or outdoor installations.
14. Safety Star®, access restrictor built into each cover adapter, prevents accidental entry to tanks (450 lb rating).

ENGINEER SPECIFICATION GUIDE

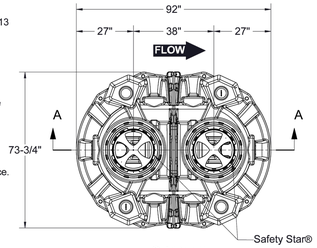
Schier Great Basin™ grease interceptor model # GB-1000 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and Safety Star® access restrictor built into each cover adapter. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1 as well as certified to IAPMO/ANSI Z1001-2021. Interceptor flow rate shall be 100 GPM or 200GPM. Interceptor grease capacity shall be 5,495 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

CERTIFIED PERFORMANCE

Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

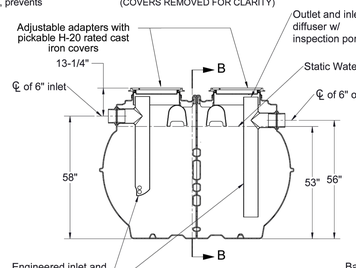
Type D certification does not require a flow control

MIAMI-DADE COUNTY — Satisfies Miami DERM 99% efficiency requirements. Product labels are permanently attached to inside and outside of unit for easy viewing.

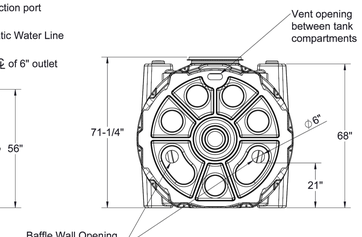


TOP VIEW
(COVERS REMOVED FOR CLARITY)

ISOMETRIC VIEW



SECTION A-A



SECTION B-B

SPECIFICATION SHEET

MODEL NUMBER: GB-1000

PART NUMBER: 4080-002-01

DESCRIPTION: GB-1000 GREASE INTERCEPTOR 100 GPM/ 200 GPM 6" INLET/OUTLET, H-20 RATED CAST IRON COVER

DWG BY: B.BROWN **DATE:** 10/18/2021 **REV:** 02 **ECO:** 032822TA

SCHIER
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
ORMOND BEACH, FL 32174
TEL: (386) 673-7640
FAX: (386) 673-3927

THE HENRY HOTEL REDEVELOPMENT
FLAGLER COUNTY, FL
DETAILS

NO.	DATE	REVISION	BY
1	7/26/24	PER COUNTY COMMENTS	KAB

DESIGNER	KAB	DRAWN BY	XXX
FILE	2405-1	PROJECT	2405-1
DATE	2-26-2024	SCALE	AS NOTED

NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 88690

SHEET
C014

NOTE: COMPLETE SYSTEM TO BE SUPPLIED BY:

RILEY & COMPANY, INC.
SANFORD, FL 32773
(407)265-9963

NO SUBSTITUTIONS - NO ALTERNATES
LIFT STATION WILL BE PRIVATELY OWNED AND MAINTAINED.

RILEY & Company, Inc. (H-20 GP)

w/ BATTERY BACK-UP FOR AUDIO - VISUAL ALARMS ©

PUMP DATA		ELEVATIONS	
PRIMARY PUMP CAPACITY	80 GPM	TOP OF WETWELL	27.50
PRIMARY TDH	57 TDH	INLET INVERT	21.22
PUMP MANUFACTURER	HOMA	HIGH LEVEL ALARM (HLA)	20.72
PUMP MODEL #	RC30087	2nd PUMP ON (LAG)	20.22
R.P.M.	3450	1st PUMP ON (LEAD)	19.72
HORSEPOWER	4.10	PUMPS OFF (OFF)	18.72
IMPELLER DIAMETER	5 7/8"	BOTTOM OF WETWELL	16.50
ELECTRICAL/ VOLTS / PHASE	460V/3	WETWELL DIAMETER	48"
FULL LOAD AMPS/ PER PUMP	5.40		
PUMP DISCHARGE SIZE	2"		

The H-20 Load Rated Fiberglass Wetwell Must Be Manufactured By L.F. Manufacturing, Giddings, Texas, Which Includes a 20 Yr. Warranty. Certification of the wetwell H-20 load rating must be supplied with submittals. H-20 certification must be signed and sealed by an engineer registered in the State of Florida.
After the H-20 load rated wetwell has been installed, the ASTM Certification Number and Serial Tracking Number must be visible inside wetwell.

PUMPS: (3 YR. WARRANTY)
Submersible grinder pumps shall be HOMA Model RC30087. The pumps shall be installed in the H-20 GP FRP wetwell utilizing a slide rail system.
The grinder unit shall be capable of macerating materials normally found in domestic and commercial sewage into a fine slurry which will pass through the pump and the HDPE discharge piping.
Stator winding shall be open type with Class H insulation and shall be heat-shrink fitted into the stator housing. The use of pins, bolts, or other fastening devices is not acceptable.
A heat sensor thermostat shall be attached to the top end of the motor winding and shall be connected in series with the magnetic contactor coil in the control panel to stop motor if winding temperature exceeds 140 C., but shall automatically reset when the winding temperature returns to normal. Two heat sensor thermostats shall be used on three phase motors.
The pump motor grinder shaft shall be AISI 430F SS threaded to take the pump impeller and the grinder impeller.
Upper & lower mechanical seals shall be Silicon Carbide vs Silicon Carbide.

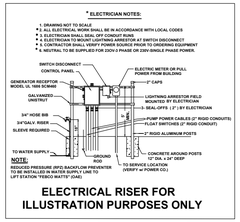
DUPLEX CONTROL PANEL: (3 YR. WARRANTY)
To insure complete unit and warranty responsibility the electrical control panel must be manufactured and built by the pump supplier. The pump supplier must be a TUV (UL508A CERTIFIED) manufacturing facility, with a minuimum of 10 years history in the manufacturing of electrical control panels.
The Enclosure shall be NEMA 4X, minimum 30" high x 30" wide x 10" deep fiberglass with 4 point latching system.
The enclosure shall have external mounting feet to allow for wall mounting.
The following components shall be mounted through the enclosure:
1- ea. Red Alarm Beacon (Light) 4" x 4" Minimum Diameter
1- ea. Alarm Horn (minimum 95 DCB)
1- ea. Generator Receptacle w/ weatherproof cover(SCM460 -UL 1686)
1- ea. Alarm Silence Pushbutton

The back panel shall be fabricated from .125, 5052-H32 marine alloy aluminum. All components shall be mounted by machined stainless steel screws.

The following components shall be mounted to back panel:
2- ea. Motor Contactors
1- ea. Phase Monitor (3 Ph) w/2 N/O & 1 N/C Contacts
1- ea. Control Transformer (480 Volt Only) (Min. 500VA)
1- ea. Lightning Arrestor
1- ea. Silence Relay Module
1- ea. Duplex Alternator w/ Pump Selector Switch
1- ea. Model RCBB5AN Battery Back-Up w/ Smart Charger For The High Level Alarm System
20- ea. Terminals For Field Connections
6- ea. Terminals For Motor Connections (Single Phase Only)
7- ea. Grounding Lugs
1- ea. Seal Failure Relay

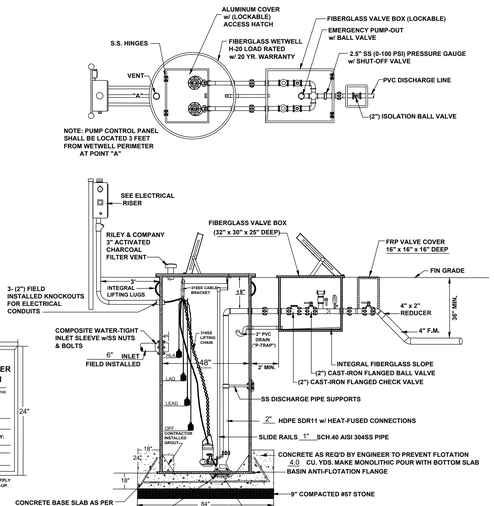
The inner door shall be fabricated from .080, 5052-H32 marine alloy aluminum. The inner door shall have a continuous aluminum piano hinge.

The following components shall be mounted through the inner door:
1- ea. Main Circuit Breaker
1- ea. Emergency Circuit Breaker
1- ea. Mechanical Interlock For Emergency And Main Breakers (UL Listed)
2- ea. Short Circuit Protectors w/ Auxiliary Contacts
1- ea. Control Circuit Breaker
2- ea. Seal Failure Indicator Lights
1- ea. Hand-Off-Auto Selector Switches
2- ea. Pump Run Pilot Lights
1- ea. Power On Pilot Light
2- ea. Elapse Time Meters (Non-Resetable)
1- ea. GFI Duplex Convenience Outlet

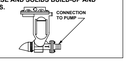


ELECTRICAL RISER FOR ILLUSTRATION PURPOSES ONLY

NOTE: CONTRACTOR MUST SUPPLY INFORMATION SIGN AT START-UP.



MODEL RC0194 FLUSH VALVE
WHEN THE PUMP STARTS, THE VALVE OPENS FOR APPROXIMATELY 15-30 SECONDS, SHOOTING OUT A POWERFUL JET STREAM THAT FLUSHES ALL SOLIDS INTO SUSPENSION, READY TO BE PUMPED AWAY. BECAUSE THE FLUSHING SEQUENCE IS AN INTEGRAL PART OF THE PUMPING CYCLE, FLUSHING OCCURS EVERY TIME THE PUMP STARTS. THIS REDUCES GREASE AND SOLIDS BUILD-UP AND REDUCES UNPLEASANT ODORS.



NOTE: ELECTRICAL INFORMATION IS SHOWN FOR REFERENCE ONLY AND IS NOT INCLUDED AS PART OF THE ENGINEERING DESIGN OR CERTIFICATION BY THE PROFESSIONAL ENGINEER. ANY ELECTRICAL DESIGN NEEDED FOR THE LIFT STATION SHALL BE CONFIRMED AND CERTIFIED BY A PROFESSIONAL ELECTRICAL ENGINEER.

NOTES:

1. *Water service with hose bibb and reduced pressure backflow preventer to be installed near lift station. (See Electrical Riser Illustration)*
2. *System shall be operated and maintained to provide uninterrupted service as required by DEP Chapter 62-604.500.*
3. *Approved Operation & Maintenance Manual(O&M) shall be kept available for operation and maintenance personnel*
4. *A weather resistant emergency contact sign shall be installed at the lift station and made visible to the public (Lettering shall be min. 2" in height.*
5. *INSPECTION & TESTING: A factory representative shall be provide for a one (1) time start-up and shall have complete knowledge of the proper operation and maintenance for the complete system.*

11-17-2022

REVISIONS	BY

RILEY & Company, Inc.
5300 Hwy 17-92 Suite
Sanford, FL 32773
PH. 407-265-9963

HENRY HOTEL

DRAWN	
CHECKED	
DATE	
SCALE	
JOB NO.	

ALANN ENGINEERING GROUP, INC.
CONSULTING ENGINEERS
CERTIFICATE No. EB5479
880 AIRPORT ROAD, SUITE. 113
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THE HENRY HOTEL REDEVELOPMENT
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NOT VALID UNLESS SIGNED AND SEALED
COLE T. BUCK P.E. 68595

SHEET
C015

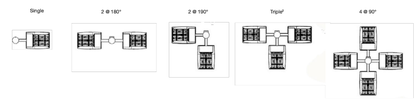
AREA LIGHTING

Manufacturer	Style	Fixture	Pole Options	Bracket Options	Light Pattern	Line Watts/ NEMA Label	Color Temp	Lumens	Glare Rating (BUG)	.ies File	Billing Tier
AEL	ATB2	(Gray)	1, 7,9	1, 5B	5	295/300	4000K	36,750	B5-U0-G4	ATB2-P605-R5-4K.ies	S3
Area Light	7,500 Lumen Area	(Black or Bronze)	1*, 4, 8*, 9	5A Single, Double @ 90 deg or 180 deg, Triple @ 90 deg, and Quad available	4	59/60	4000K	7,500+	B2-U0-G2	GLANSA2A740UT4W-59W.ies	D3
	17,500 Lumen Area		1*, 4, 8*, 9		4	127/130	4000K	17,500+	B3-U0-G3	GLANSA3B740UT4W-127W.ies	I3
	30,000 Lumen Area		1*, 4 8*, 9		4	246/245	4000K	30,000+	B3-U0-G5	GALNSA4D740UT4W-246W.ies	P4
	50,000 Lumen Area		1*, 4, 8*, 9		4	449/450	4000K	50,000+	B4-U0-G4	GALNSA9C740UT4W-449W.ies	BB5
	65,000 Lumen Area		1*, 4, 8*, 9		4	560/560	4000K	65,000+	B5-U0-G5	GALNSA9D740UT4W-560W.ies	EE5
Flood	15,000 Lumen Floodlight		6, 7	24" stand-off (2DS)	6x6	110/110	4000K	15,000+	N/A	EFM102_XX66740___-PRELIMINARY-FP&L_110W_17370LUMENS.ies	G3
	26,000 Lumen Floodlight		6, 7	24" stand-off (2DS)	6x6	195/195	4000K	26,000+	N/A	EFM102_XX66740___-PRELIMINARY-FP&L_195W_28665UMENS.ies	M3
	48,000 Lumen Floodlight		6, 7	24" stand-off (2DS)	6x6	348/350	4000K	48,000+	N/A	EFH102_XX66740___-PRELIMINARY-FP&L_348W_50400LUMENS.ies	V4

1 ONLY the 59/60 watt 7,500 lumen light can be installed on the 20' (13' MH) Type 1 pole*
All can be installed on the 35' (27'6" MH) Type 1 pole

8 ONLY the 59/60 watt 7,500 lumen light can be installed on the 14'6" and 21' Type 8 poles.*
All can be installed on the 33' (24' MH) Type 8 pole.

** Area configurations*



Note: Glare (BUG) Ratings for UFLD are measured at 0° tilt.

FPL®

LED Lighting Solutions

Brackets and Poles

Discover a New Road to Efficiency

BRACKETS (Page 2 of 2)

4	5	6	7
Style	Style	Style	Style
Decorative Double Bracket Tenon Mounted Arm	Multiple Fixure Configurations Available	Decorative Double Modern Bracket Tenon Mounted Arm	14'6" bracket with 15'6" upsweep rise for special applications only. Pole 10 only
Color	Color	Color	Color
Black Green	Black Gray Bronze	Black	Silver

POLES

**MH = Approximate Mounting Height*

THE HENRY - GUESTROOM RENOVATION

PROJECT NOTES

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. ALL DIMENSIONS RELATING TO EXISTING CONDITIONS SHOULD BE FIELD VERIFIED.
2. ANY DIMENSIONAL DISCREPANCIES ARE TO BE DIRECTED TO BESPOKE ARCHITECTURE BEFORE FABRICATION OF AREA IN QUESTION.
3. DIMENSIONS ARE CALLED OUT FROM THE OUTSIDE FACE OF STUDS @ EXTERIOR WALLS TO CENTERLINE OF INTERIOR STUD WALLS. WINDOW AND DOOR OPENING, IN STUD CONSTRUCTION, ARE DIMENSIONED TO CENTER OF OPENING. MASONRY WALLS ARE CALLED OUT FROM OUTSIDE FACE OF MASONRY TO FACE OF MASONRY. WINDOW AND DOOR OPENING, IN MASONRY CONSTRUCTION, ARE DIMENSIONED AS MASONRY OPENINGS (NOTED AS M.O.).
4. DIMENSIONS FOR ELEVATIONS, SECTIONS, AND DETAILS ARE CALLED OUT FROM TOP OF SUB FLOOR.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. CONTRACTOR TO NOTIFY BESPOKE ARCHITECTURE OF ANY DISCREPANCIES WITH THESE DRAWINGS AND/ OR SITE INFORMATION PRIO TO BEGINNING CONSTRUCTION AND/OR ORDERING MATERIALS.
6. CONTRACTOR TO PROVIDE WOOD BLOCKING FOR ALL MILLWORK AND ANY WALL HUNG COUNTERS, LEDGES, AND SHELVING. PROVIDE BLOCKING AS REQUIRED BY CONSTRUCTION.
7. ALL FINISH WORK SHALL BE SMOOTH, FREE FROM ABRASION AND/OR TOOL MARKS ON ANY EXPOSED SURFACES. ALL SPECIFIED FINISHES ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
8. ALL CONSTRUCTION SHALL COMPLY WITH ALL BUILDING CODES AND REQUIREMENTS HAVING JURISDICTION OVER THIS PROJECT.
9. PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN CHASES/ FURRED SPACES WITH THE EXCEPTION OF PIPING IN EQUIPMENT ROOMS. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISH AREAS.
10. ALL DOORFRAME LOCATIONS ARE TO BE DETERMINED BY: INSIDE FACE OF DOORFRAME WILL BE LOCATED MINIMUM 6" CLEAR FROM THE EDGE OF THE ADJACENT PARTITION, UNLESS NOTED OTHERWISE. FOR CMU WALLS, SEE DIMENSIONAL PLAN.
11. CONTRACTOR TO COORDINATE KEYING REQUIREMENTS WITH OWNER (MASTER KEYING, GRANDMASTER KEYING, ETC.).
12. CONTRACTOR TO VERIFY LOCATION OF THERMOSTATS, ELECTRICAL FLOOR OUTLETS, AND CABLE CONNECTIONS WITH ARCHITECT PRIOR TO INSTALLATION.
13. BEAMS, HEADERS, AND LINTELS, TO BE SIZED BY MANUFACTURER'S ENGINEER AND SUBMITTED FOR REVIEW BY ARCHITECT, UNLESS SPECIFIED IN PLANS OTHERWISE.
14. USE DOUBLE JOISTS UNDER WALLS WHICH RUN UNDER JOISTS.
15. EXACT SIZE AND REINFORCEMENT OF ALL CONCRETE FOOTINGS MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION. VERIFY DESIGN WITH LOCAL GEOTECHNICAL ENGINEER.
16. ELECTRICAL CONTRACTOR TO VERIFY AND/OR SIZE ELECTRICAL SYSTEM TO MEET OR EXCEED LOCAL CODE REQUIREMENTS.
17. HVAC CONTRACTOR TO VERIFY AND/OR SIZE HEATING AND COOLING LOADS AS FOR LOCAL CODES, CLIMATIC CONDITIONS, BUILDING ORIENTATION, AND VOLUME OF INTERIOR SPACE.
18. PLUMBING CONTRACTOR TO VERIFY AND/OR SIZE ALL PLUMBING MATERIALS AND INSTALLATION PROCEDURES TO BE DONE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
19. WINDOW DESIGNATIONS ARE PROVIDED AS THE OUTER JAMB DIMENSIONS OF THE UNIT, AND CALLED OUT IN FEET AND INCHES WIDE BY FEET AND INCHES TALL (EXAMPLE: 2852 DESIGNATION IS A WINDOW WITH 2 FOOT 8 INCH WIDE BY 5 FOOT 2 INCH TALL JAMB.) MANUFACTURER'S SHOP DRAWINGS MUST BE SUBMITTED FOR ARCHITECT'S REVIEW PRIOR TO ORDERING WINDOW PACKAGE.
20. CONTRACTOR TO COORDINATE SILL AND JAMB EXTENSIONS AS REQUIRED FOR EXTERIOR WALL CONDITIONS.
21. FLOOR FRAMING NOTE CALLED OUT ON PLANS FOR FLOOR SPACE ABOVE AND ARE IN DIRECTION OF SPAN.

BUILDING CODE SUMMARY

1. GENERAL INFORMATION

NAME OF PROJECT:	HENRY HOTEL
LOCATION:	BUNNELL, FL
PROPOSED USE:	EXTENDED STARY HOTEL
OWNER / AGENT:	TBA
CONTRACTOR:	TBA.

2. GENERAL CODE DATA

BUILDING CODE:	2023 FBC 7TH EDITION
STRUCTURAL CODE:	2023 FBC 7TH EDITION
PLUMBING CODE:	2023 FBC 7TH EDITION
MECHANICAL CODE:	2023 FBC 7TH EDITION
ELECTRICAL CODE:	2023 FBC 7TH EDITION
ENERGY CODE:	2023 FBC 7TH EDITION
ACCESBILITY COE:	2023 FBC 7TH EDITION
NFPA 1:	2021 EDITION
NFPA 13:	2022 EDITION
NFPA 25:	2020 EDITION
NFPA 101:	2018 EDITION
FLORIDA FIRE PREVENTION CODE	2023 FBC 7TH EDITION

3. CONSTRUCTION DESCR: LEVEL 3 RENOVATION

4. BUILDING DATA TYPE: V

SPRINKLED BUILDING:	YES
BUILDING HEIGHT:	22'-6"
NO. OF STORIES	2

5. OCCUPANCY CLASSIFICATION:
R-2 RESIDENTIAL (NON-TRANSIENT)

STRUCTURAL DESIGN CRITERIA

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE, 8TH EDITION

DESIGN BASED ON THE FOLLOWING:

1. ULTIMATE DESIGN WIND SPEED (VULT)	140 MPH
2. ALLOWABLE WIND SPEED (VASD)	108.5 MPH
3. RISK CATEGORY	II
4. WIND EXPOSURE	B
5. ENCLOSURE CLASSIFICATION	PARTIALLY ENCLOSED

6. COMPONENTS AND CLADDING FOR STRUCTURE LESS THAN OR EQUAL TO 60'-0"

ZONE 4	MAX = 25.5 PSF
	MIN = -27.5 PSF
ZONE 5	MAX = 25.5 PSF
	MIN = -34.0 PSF

7. INTERNAL PRESSURE COEFFICIENT +/- 0.18
8. DEAD LOADS - BASED ON SELF WEIGHT OF CONSTRUCTION MATERIALS SHOWN IN PLANS. ANY ALTERNATE MATERIALS SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW.
9. LIVE LOADS

FLOOR	(40 PSF)
ROOF	(20 PSF)

ROOM MATRIX

1ST	2ND	TOTAL	ROOM TYPE
18	20	38	1-BEDROOM SUITE
1	0	1	1-BEDROOM SUITE - ADA
9	10	19	STUDIO SUITE
1	0	1	STUDIO SUITE - ADA
0	2	2	SINGLE QUEEN
1	0	1	SINGLE QUEEN - ADA
30	**32**	**62**	**TOTALS**

OCCUPANT LOAD

EXISTING OCCUPANCY LOAD (UNCHANGED)

GUEST ROOMS: 44,792 SF DIVIDED BY 120SF/PERSON = 373 PEOPLE

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
A/C	AIR CONDITIONING
ALUM	ALUMINUM
AB	ANCHOR BOLT
APPROX	APPROXIMATE / LY
BRG PL	BEARING PLATE
BEL	BELOW
BM	BEAM
BRG	BEARING
BLK	BLOCK / ING
BD	BOARD
BOT	BOTTOM
BLDG	BUILDING
CAB	CABINET
CSMT	CASEMENT
CLG	CEILING
CLR	CLEAR / ANCE
CL	CLOSET
CO	COMPANY
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCT / ION
CONT	CONTINUOUS
CORR	CORRUGATED
CT	COUNT / ER
DL	DEAD LOAD
DTL	DETAIL
DIAM	DIAMETER
DIM	DIMENSION
DR	DOOR
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
ELEC	ELECTRIC / AL
EQ	EQUAL
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FIN	FINISH / ED
FFE	FINISHED FLOOR ELEVATION
FD	FLOOR DRAIN
FT	FOOT / FEET
FTG	FOOTING
FND	FOUNDATION
GA	GAGE / GAUGE
GALV	GALVANIZED
GYP BD	GYPSUM BOARD
HR	HOUR
HVAC	HEATING & VENTILATION
HT	HEIGHT
HC	HOLLOW CORE
HM	HOLLOW METAL
HOR	HORIZONTAL
HB	HOSE BIB
INSUL	INSULATION
JST	JOIST
KIT	KITCHEN
LAV	LAVATORY
LT WT	LIGHT WEIGHT
LF	LINEAR FOOT / FEET
LL	LIVE LOAD
LVR	LOUVER
MR	MOISTURE RESISTANT
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NRC	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PR	PAIR
PED	PEDESTAL
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PL	PROPERTY LINE
PT	PRESSURE TREATED
QTY	QUANTITY
RAD	RADIUS
RECEP	RECEPTACLE
REFRIG	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE / ING / MENT
REQD	REQUIRED
RA	RETURN AIR
REV	REVISION
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SC	SOLID CORE
SPEC	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
TEL	TELEPHONE
TV	TELEVISION
TH / THK	THICK
THRESH	THRESHOLD
T&G	TONGUE & GROOVE
TOB	TOP OF BLOCK
TOS	TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY, INC.
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VERT	VERTICAL
VIF	VERIFY IN FIELD
WSCT	WAINSCOT
WIC	WALK-IN CLOSET
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE METAL
WIN	WINDOW
WD	WOOD

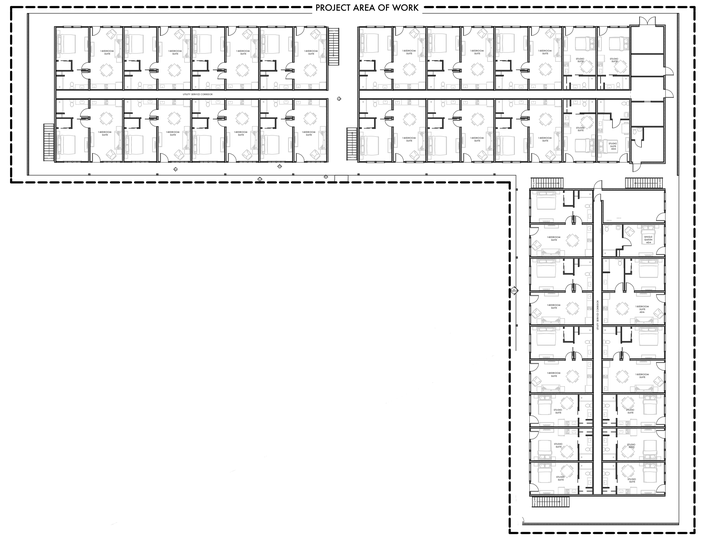
SCOPE OF WORK

THE PRIMARY SCOPE OF WORK IS TO UPGRADE ALL GUESTROOMS TO A STANDARD COMMENSURATE WITH A QUALITY FRANCHISED HOTEL CHAIN. NO EXTERIOR CMU WALLS ARE BEING DEMOLISHED OR REBUILT. PREVIOUS ROOF REPAIRS HAVE BEEN MADE, AS WELL AS DEMOLITION UNDER SEPARATE PERMITS.

GUEST ROOM RENOVATIONS:

1. REPLACE EXISTING ROOM FRONTS
2. REPLACE ALL GLAZING IN ROOM FRONTS WITH NEW ALUM. OR VINYL INSULATED WINDOWS
3. REPLACE GUEST ROOM ENTRANCE DOORS
4. INSTALL NEW ELECTRONIC HOTEL KEY CARD LOCKSETS
5. INSTALL NEW PTAC HVAC UNITS WITH NEW CARRIERS
6. FRAME NEW WALL BETWEEN BATHROOM AND SLEEPING AREA.
7. RE-PIPE EXISTING WASTE AND WATER LINES FROM ABOVE SLAB.
8. INSTALL NEW ELECTRICAL WIRING, OUTLETS AND LIGHTING IN GUESTROOMS UNCLUDING NEW SMOKE AND CARBON DIOXIDE DETECTORS
9. INSTALL NEW PLUMBING FIXTURES, SHOWER PANS AND WALLS, AND ACCESORIES IN BATHROOMS
10. REMOVE AND REPLACE EXISTING TEXTURE ON WALLS AND CEILINGS.
11. PROVIDE NEW INTERIOR FINISHED AND FURNISHINGS IN EACH GUEST ROOM
12. INSTALL FIRE SPRINKLER IN EACH GUESTROOM PER FIRE SPRINKLER CONTRACTOR APPROVED DESIGN

KEY PLAN



SHEET INDEX

SHEET #	TITLE
CS	COVER SHEET
A-1.0	LIFE SAFETY - 1ST FLOOR
A-1.1	LIFE SAFETY - 2ND FLOOR
A-1.2	FLOOR PLAN - 1ST FLOOR
A-1.3	FLOOR PLAN - 2ND FLOOR
A-2.0	FRAMING DETAILS / WALL ASSEMBLIES
A-2.1	ADA RESTROOM DETAILS
A-3.0	EXTERIOR ELEVATIONS / COLORS
A-4.0	EXTERIOR DETAILS / STAIR DETAILS
M-0.0	LEGENDS, ABBREVIATIONS & GENERAL NOTES
M-0.1	SPECIFICATIONS & SYSTEM SUMMARY
M-1.1	1ST FLOOR MECHANICAL PLAN
M-2.1	2ND FLOOR MECHANICAL PLAN
M-3.1	ENLARGED MECHANICAL PLANS
M-4.1	MECHANICAL DETAILS & SCHEDULES
E-0.0	ELECTRICAL LEGENDS, ABBREVIATIONS & GENERAL NOTES
E-1.1	ELECTRICAL CONSTRUCTION PLAN - 1ST FLOOR
E-2.1	ELECTRICAL CONSTRUCTION PLAN - 2ND FLOOR
E-3.1	ENLARGED ELECTRICAL PLANS
E-4.1	ELECTRICAL RISER DIAGRAM
E-4.2	ELECTRICAL RISER DIAGRAM
P-0.0	LEGENDS, ABBREVIATIONS & GENERAL NOTES
P-2.1	1ST FLOOR SANITARY & VENT PLAN
P-2.2	2ND FLOOR SANITARY & VENT PLAN
P-3.1	1ST FLOOR DOMESTIC WATER PLAN
P-3.2	2ND FLOOR DOMESTIC WATER PLAN
P-5.1	ELARGED GUEST ROOM DOMESTIC WATER PLANS
P-5.2	ENLARGED GUEST ROOMS DOMESTIC WATER PLANS
P-6.1	PLUMBING DETAILS
P-7.1	PLUMBING SANITARY & VENT ISOMETRIC
P-7.2	PLUMBING DOMESTIC WATER ISOMETRIC

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SEAL

STATE of FLORIDA
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REGISTERED ARCHITECT

DIGITAL SIGNATURE

PROJECT
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SHEET INFORMATION
COVER SHEET

CS

PROJECT
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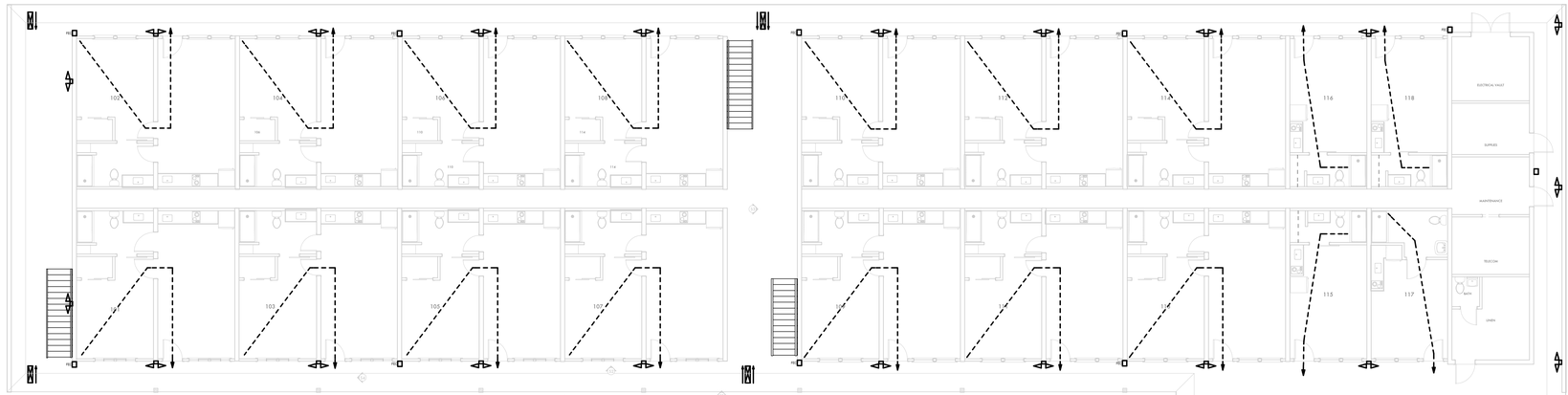
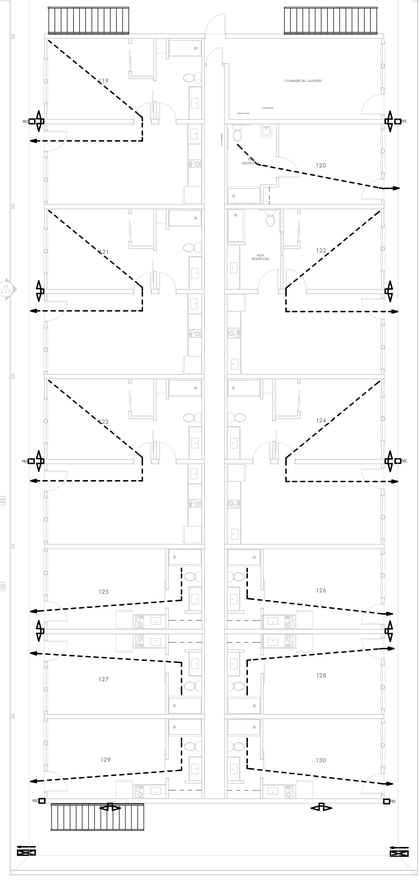
ALL EXIST TO GRADE
(PARKING LOT)



ALL EXIST TO GRADE
(EXTERIOR COURTYARD)



LIFE SAFETY PLAN NOTES:

1. OCCUPANCY, EGRESS ROUTES AND SIZES ARE NOT BEING CHANGED AS A RESULT OF THIS RENOVATION.
2. ALL FIRE ALARM WORK, INCLUDING CHANGES, ADDITIONS, IMPROVEMENTS AND/OR MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL MEET THE REQUIREMENTS OF NFPA 72 2022 EDITION, AND MUST BE DONE BY A LICENSED FIRE ALARM CONTRACTOR WITH SEPARATE PERMIT AND PLANS.

LIFE SAFETY PLAN LEGEND:

- PATH OF EGRESS TRAVEL; ARROW INDICATED DIRECTION
- LIGHTED EXIT SIGN W/BATTERY BACKUP; TWO-SIDED WHERE SHOWN
- DUAL POWERED EMERGENCY LIGHTING; SPACED 25' APART
- FEC — FIRE EXTINGUISHER & CABINET; SPACED 50' APART; CARRYING HANDLE TO BE 48" AFF

LIFE SAFETY PLAN - 1ST FLOOR

1/8"=1'-0"

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LIFE SAFETY - 1ST FLOOR

A-1.0

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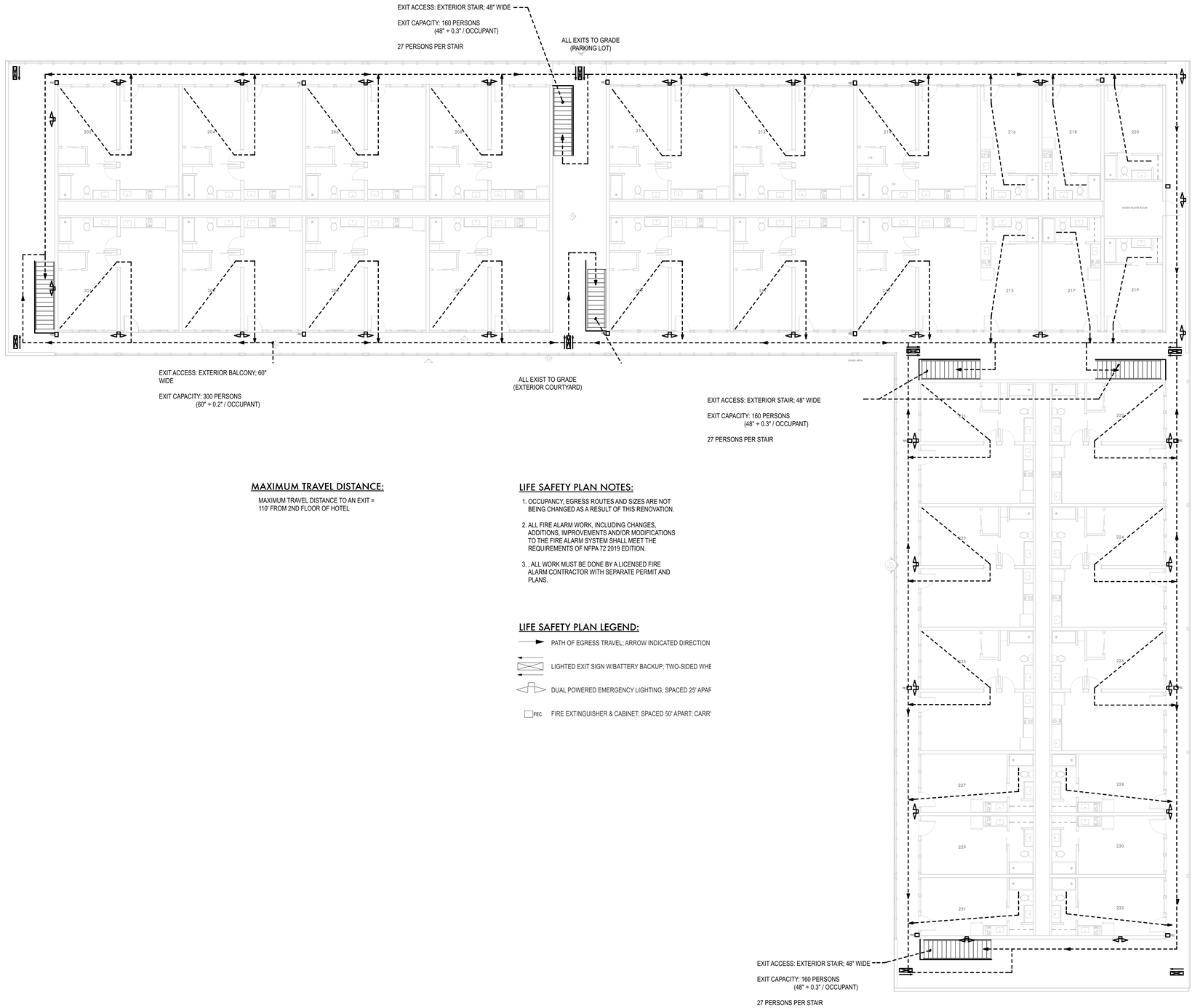
EXIT ACCESS: EXTERIOR STAIR; 48" WIDE

EXIT CAPACITY: 160 PERSONS
(48" ÷ 0.3" / OCCUPANT)

27 PERSONS PER STAIR



MAXIMUM TRAVEL DISTANCE:

MAXIMUM TRAVEL DISTANCE TO AN EXIT =
110' FROM 2ND FLOOR OF HOTEL

LIFE SAFETY PLAN NOTES:

1. OCCUPANCY, EGRESS ROUTES AND SIZES ARE NOT BEING CHANGED AS A RESULT OF THIS RENOVATION.
2. ALL FIRE ALARM WORK, INCLUDING CHANGES, ADDITIONS, IMPROVEMENTS AND/OR MODIFICATIONS TO THE FIRE ALARM SYSTEM SHALL MEET THE REQUIREMENTS OF NFPA 72 2019 EDITION.
3. , ALL WORK MUST BE DONE BY A LICENSED FIRE ALARM CONTRACTOR WITH SEPARATE PERMIT AND PLANS.

LIFE SAFETY PLAN LEGEND:

- PATH OF EGRESS TRAVEL; ARROW INDICATED DIRECTION
- LIGHTED EXIT SIGN W/BATTERY BACKUP; TWO-SIDED WHE
- DUAL POWERED EMERGENCY LIGHTING; SPACED 25' APAF
- FEC — FIRE EXTINGUISHER & CABINET; SPACED 50' APART; CARR'

LIFE SAFETY PLAN - 2ND FLOOR

1/8"=1'-0"

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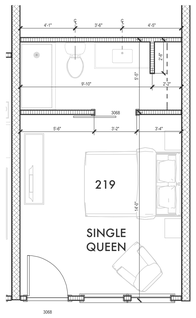
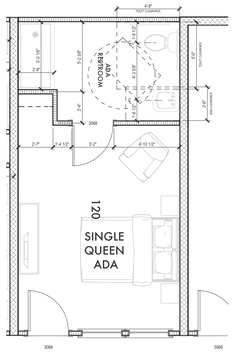
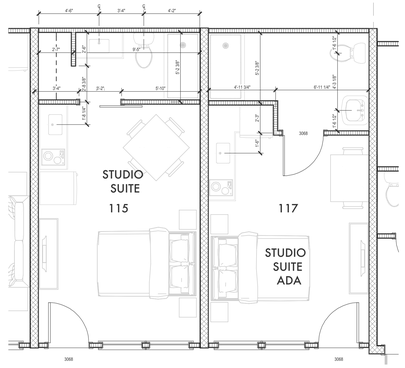
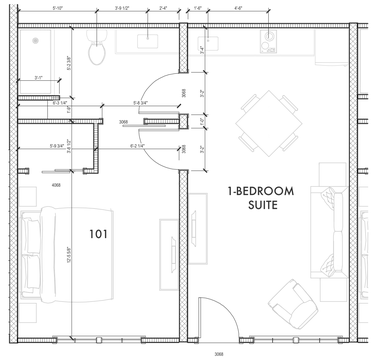
SHEET INFORMATION
LIFE SAFETY - 2ND FLOOR

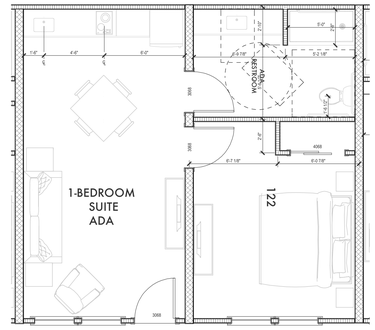
A-1.1



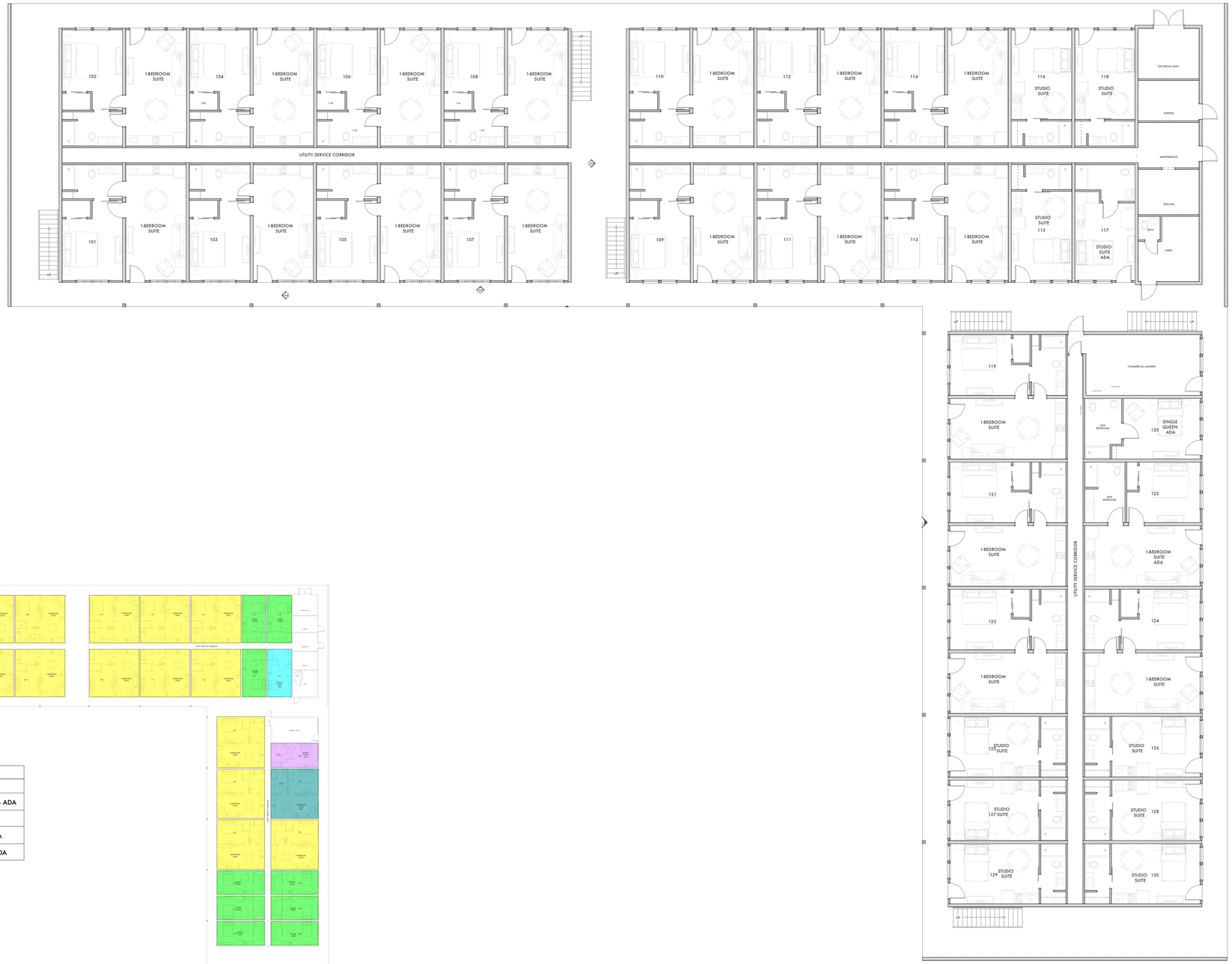








ENLARGED FLOOR PLANS
1/4"=1'-0"



COLOR	QTY	ROOM TYPE
	18	1-BEDROOM SUITE
	1	1-BEDROOM SUITE - ADA
	9	STUDIO SUITE
	1	STUDIO SUITE - ADA
	1	SINGLE QUEEN - ADA

ROOM MATRIX - 1ST FLOOR
1/8"=1'-0"

FLOOR PLAN - 1ST FLOOR
1/8"=1'-0"

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SHEET INFORMATION
FLOOR PLAN - 1ST FLOOR

A-1.2

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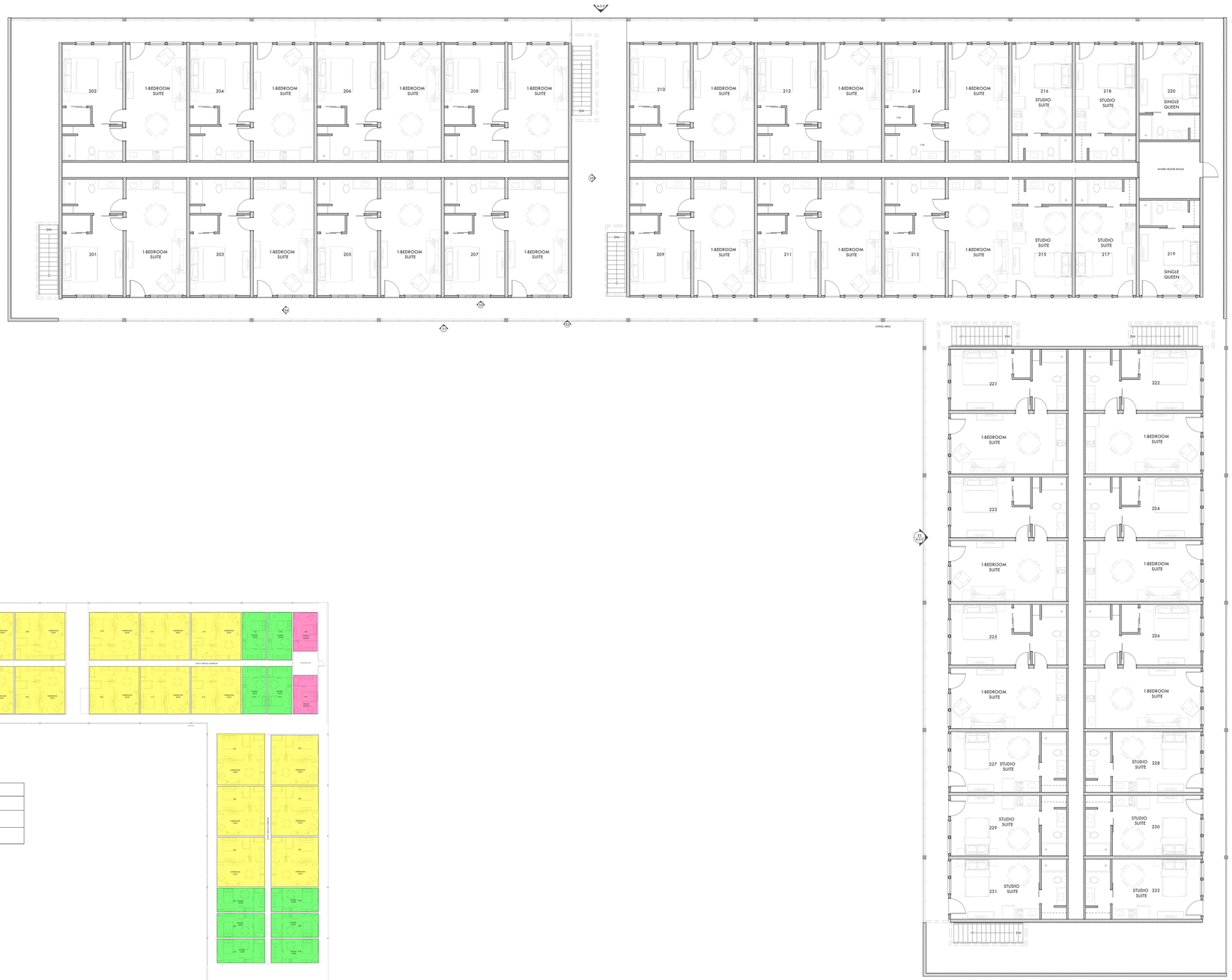

FLOOR PLAN - 2ND FLOOR
1/8"=1'-0"

COLOR	QTY	ROOM TYPE
	20	1-BEDROOM SUITE
	10	STUDIO SUITE
	2	SINGLE QUEEN

ROOM MATRIX - 2ND FLOOR
1"=20.00'

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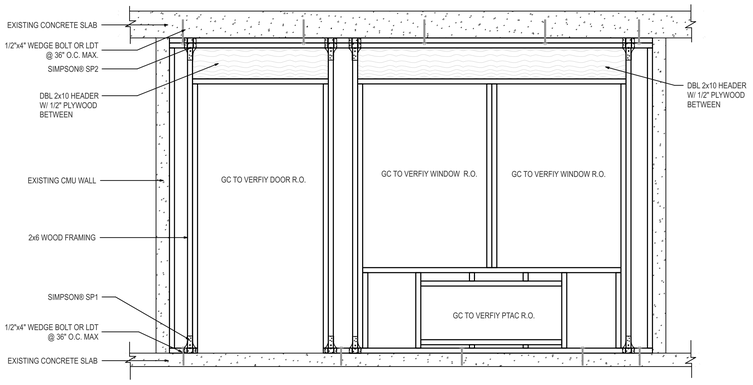
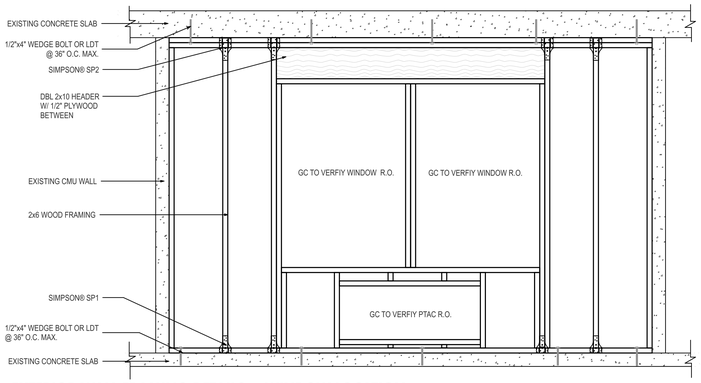
SHEET INFORMATION
FLOOR PLAN - 2ND FLOOR

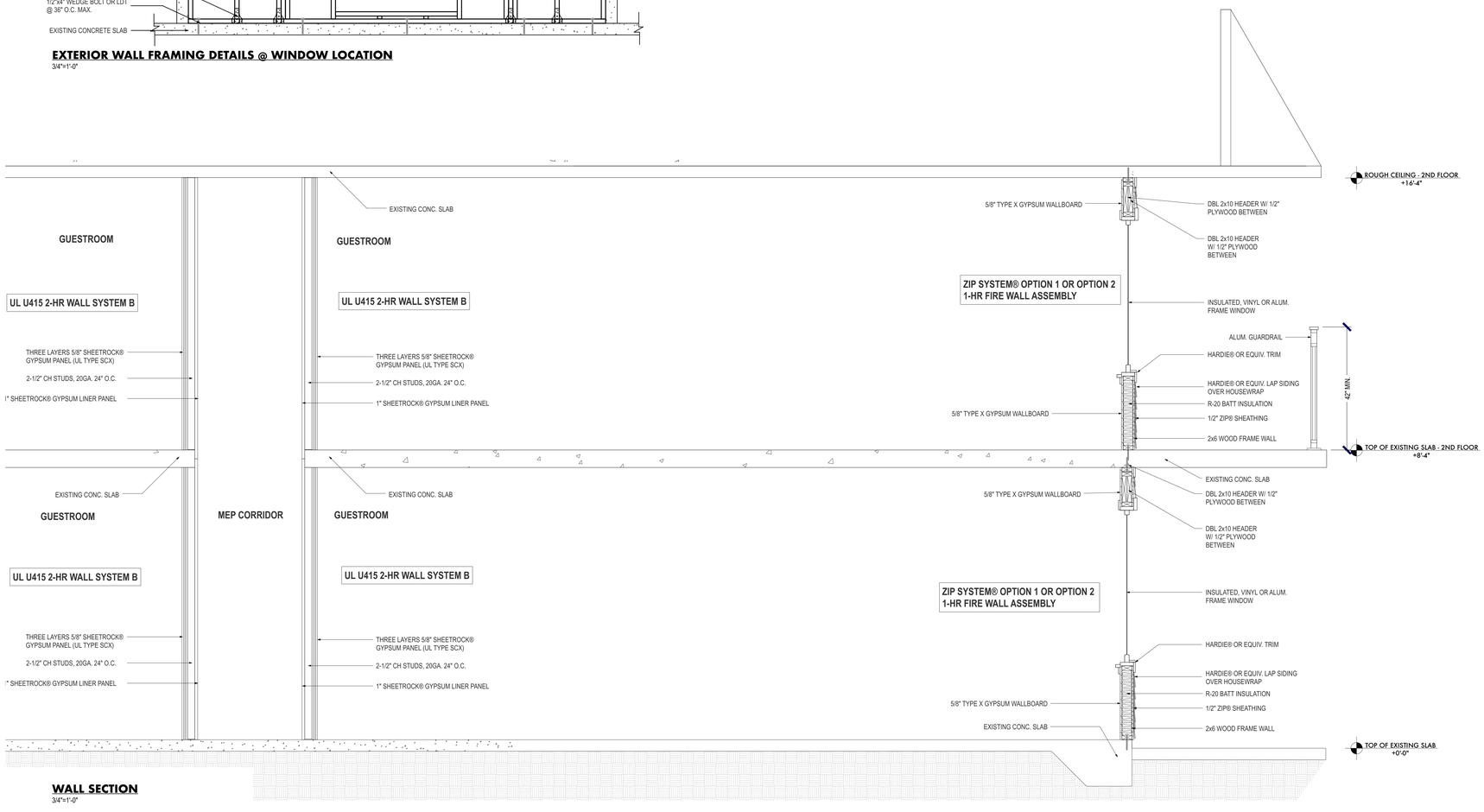
A-1.3



EXTERIOR WALL FRAMING DETAILS @ DOOR LOCATION
3/4"=1'-0"



EXTERIOR WALL FRAMING DETAILS @ WINDOW LOCATION
3/4"=1'-0"



WALL SECTION
3/4"=1'-0"

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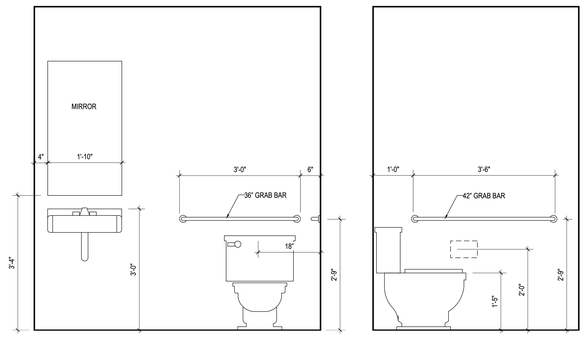
SHEET INFORMATION
FRAMING DETAILS / WALL ASSEMBLIES

A-2.0



NOTES:

1. ACCESSIBLE WATER CLOSET DEPTH IS 30" AND IT IS FLOOR MOUNTED

2. CONTROLS FOR FLUSH VALVES SHALL BE MOUNTED ON THE OPEN SIDE OF THE TOILET AREA (FABC 4.16.5)

3. TOILET ROOM DOOR OPENING WIDTH TO BE 32" MINIMUM (FABC 4.13.5)

4. TOILET ACCESSORIES TO BE PROVIDED

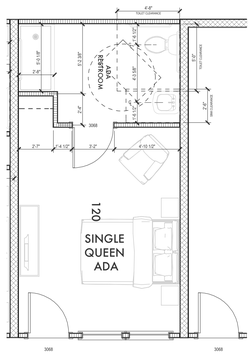
5. GRAB BARS TO COMPLY WITH 4.26

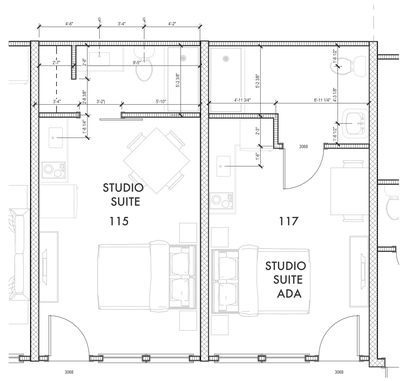
6. 30"x48" CLEAR FLOOR SPACE @ LAVATORY - SHALL COMPLY WITH 11.4.9.3

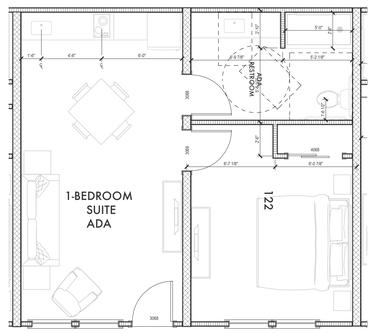
7. CLEAR FLOOR SPACE @ WATER CLOSET SHALL BE A MINIMUM OF 59" IF FLOOR MOUNTED AND A MINIMUM OF 56" IF WALL MOUNTED.

ADA BATHROOM REQUIREMENTS

N.T.S.







ADA BATHROOM LAYOUTS

1/4"=1'-0"

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SHEET INFORMATION
ADA RESTROOM DETAILS

A-2.1

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SOUTH ELEVATION
3/16"=1'-0"

WEST ELEVATION
3/16"=1'-0"

NORTH ELEVATION
3/16"=1'-0"

EXTERIOR COLORS

SW6248 TRICORN BLACK
ROOF COLOR

SW7649 SILVERPLATE
FIBER CEMENT SHINGLES

SW7005 PURE WHITE
STUCCO
WINDOW / DOOR BANDING
GUARDRAILS

SW6522 SPORTY WHITE
FIBER CEMENT LAP SIDING

SW9177 SALTY DOG
EXTERIOR ROOM DOORS

EXTERIOR COLORS
1/2"=1'-0"

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SHEET INFORMATION
EXTERIOR ELEVATIONS / COLORS

A-3.0

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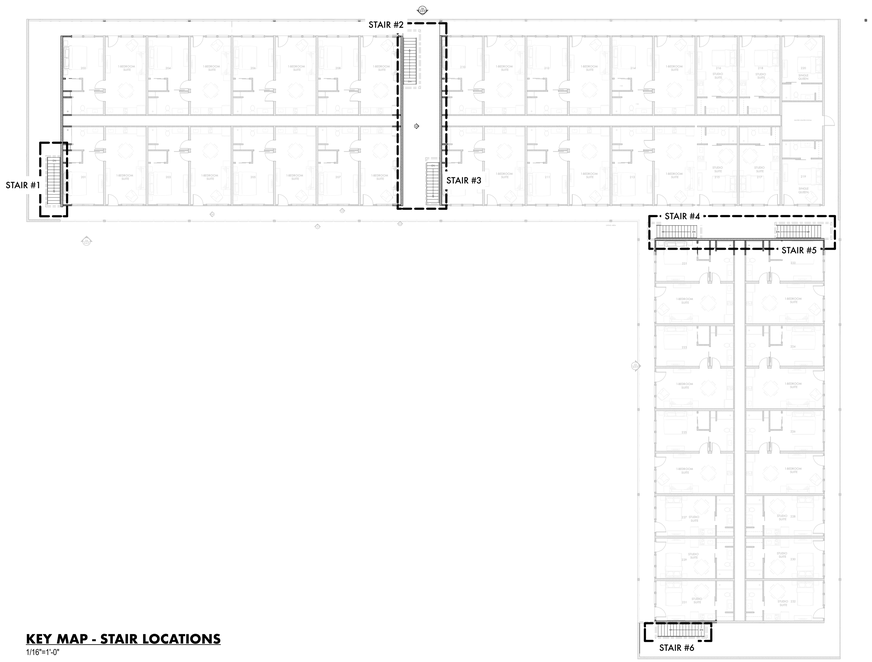
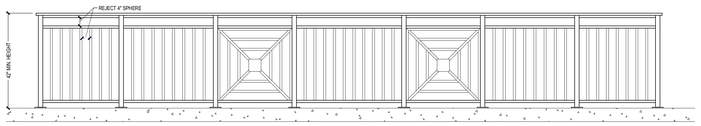


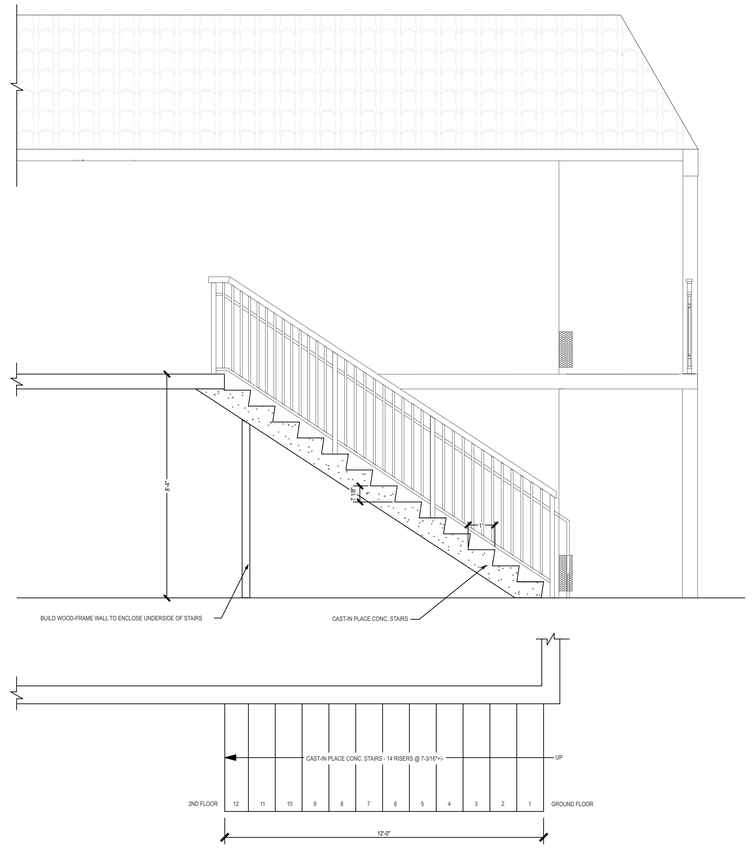
KEY MAP - STAIR LOCATIONS
1/16"=1'-0"



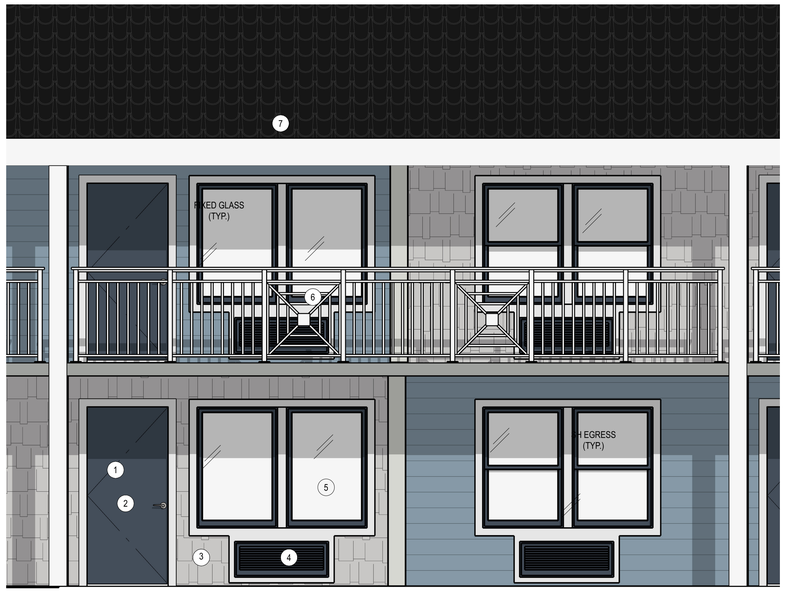
GUARD DETAIL
1/2"=1'-0"

EXTERIOR GUARDS NOTES:

1. STAIRS & GUARDS ARE TO BE CUSTOM-FABRICATED UNITS.
2. DEAD LOAD = 20PSF
3. GUARD & GUARD IN-FILL LIVE LOAD = 200 PSF
4. STAIR LIVE LOAD = 20 PSF
5. STAIR & GUARDS FABRICATOR & ERECTOR TO PROVIDE ENGINEERED SHOP DRAWINGS.
6. ENGINEERED SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECT FOR APPROVAL.
7. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS TO BUILDING DEPT. AS SUPPLEMENTAL DRAWINGS
8. GUARDS & STAIRS TO BE KYNAR FINISH TO ENSURE LONGEVITY.



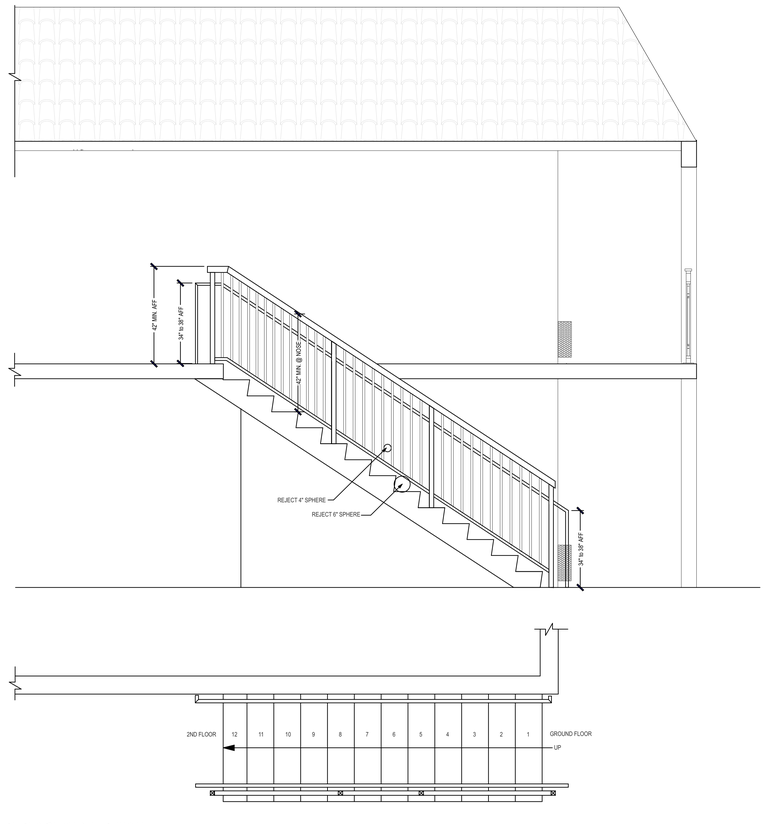
STAIR REPLACEMENT DETAIL
1/2"=1'-0"



EXTERIOR RENOVATIONS
1/2"=1'-0"

LEGEND

1. REPLACE GUESTROOM DOOR
2. INSTALL NEW ELECTRONIC HOTEL KEY LOCKSET
3. REPLACE ROOM FRONTS
4. REPLACE PTAC HVAC UNIT
5. INSTALL NEW WINDOWS
6. INSTALL NEW 42" HIGH GUARDRAILS
7. PAINT EXISTING TILE MANSARD



GUARDRAIL REPLACEMENT DETAIL
1/2"=1'-0"

EXTERIOR GUARDS NOTES:

1. STAIRS & GUARDS ARE TO BE CUSTOM-FABRICATED UNITS.
2. DEAD LOAD = 20PSF
3. GUARD & GUARD IN-FILL LIVE LOAD = 200 PSF
4. STAIR LIVE LOAD = 20 PSF
5. STAIR & GUARDS FABRICATOR & ERECTOR TO PROVIDE ENGINEERED SHOP DRAWINGS.
6. ENGINEERED SHOP DRAWINGS TO BE SUBMITTED TO ARCHITECT FOR APPROVAL.
7. CONTRACTOR TO SUBMIT ENGINEERED SHOP DRAWINGS TO BUILDING DEPT. AS SUPPLEMENTAL DRAWINGS
8. GUARDS & STAIRS TO BE KYNAR FINISH TO ENSURE LONGEVITY.

PROJECT
THE HENRY
EXTENDED STAY HOTEL
2251 OLD DIXIE HIGHWAY
BUNNELL, FLORIDA 32110

REVISIONS

CURRENT PHASE
100% CONSTRUCTION DOCUMENTS

TRC REVIEW SET
NOT RELEASED FOR CONSTRUCTION

SHEET INFORMATION
EXTERIOR DETAILS / STAIR DETAILS

A-4.0

HENRY HOTEL - LOBBY BUILDING

PROJECT NOTES

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. ALL DIMENSIONS RELATING TO EXISTING CONDITIONS SHOULD BE FIELD VERIFIED.
2. ANY DIMENSIONAL DISCREPANCIES ARE TO BE DIRECTED TO BESPOKE ARCHITECTURE BEFORE FABRICATION OF AREA IN QUESTION.
3. DIMENSIONS ARE CALLED OUT FROM THE OUTSIDE FACE OF STUDS @ EXTERIOR WALLS TO CENTERLINE OF INTERIOR STUD WALLS. WINDOW AND DOOR OPENING, IN STUD CONSTRUCTION, ARE DIMENSIONED TO CENTER OF OPENING. MASONRY WALLS ARE CALLED OUT FROM OUTSIDE FACE OF MASONRY TO FACE OF MASONRY. WINDOW AND DOOR OPENING, IN MASONRY CONSTRUCTION, ARE DIMENSIONED AS MASONRY OPENINGS (NOTED AS M.O.).
4. DIMENSIONS FOR ELEVATIONS, SECTIONS, AND DETAILS ARE CALLED OUT FROM TOP OF SUB FLOOR.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. CONTRACTOR TO NOTIFY BESPOKE ARCHITECTURE OF ANY DISCREPANCIES WITH THESE DRAWINGS AND/ OR SITE INFORMATION PRIO TO BEGINNING CONSTRUCTION AND/OR ORDERING MATERIALS.
6. CONTRACTOR TO PROVIDE WOOD BLOCKING FOR ALL MILLWORK AND ANY WALL HUNG COUNTERS, LEDGES, AND SHELVING. PROVIDE BLOCKING AS REQUIRED BY CONSTRUCTION.
7. ALL FINISH WORK SHALL BE SMOOTH, FREE FROM ABRASION AND/OR TOOL MARKS ON ANY EXPOSED SURFACES. ALL SPECIFIED FINISHES ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
8. ALL CONSTRUCTION SHALL COMPLY WITH ALL BUILDING CODES AND REQUIREMENTS HAVING JURISDICTION OVER THIS PROJECT.
9. PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN CHASES/ FURRED SPACES WITH THE EXCEPTION OF PIPING IN EQUIPMENT ROOMS. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISH AREAS.
10. ALL DOORFRAME LOCATIONS ARE TO BE DETERMINED BY: INSIDE FACE OF DOORFRAME WILL BE LOCATED MINIMUM 6" CLEAR FROM THE EDGE OF THE ADJACENT PARTITION, UNLESS NOTED OTHERWISE. FOR CMU WALLS, SEE DIMENSIONAL PLAN.
11. CONTRACTOR TO COORDINATE KEYING REQUIREMENTS WITH OWNER (MASTER KEYING, GRANDMASTER KEYING, ETC.).
12. CONTRACTOR TO VERIFY LOCATION OF THERMOSTATS, ELECTRICAL FLOOR OUTLETS, AND CABLE CONNECTIONS WITH ARCHITECT PRIOR TO INSTALLATION.
13. BEAMS, HEADERS, AND LINTELS, TO BE SIZED BY MANUFACTURER'S ENGINEER AND SUBMITTED FOR REVIEW BY ARCHITECT, UNLESS SPECIFIED IN PLANS OTHERWISE.
14. USE DOUBLE JOISTS UNDER WALLS WHICH RUN UNDER JOISTS.
15. EXACT SIZE AND REINFORCEMENT OF ALL CONCRETE FOOTINGS MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION. VERIFY DESIGN WITH LOCAL GEOTECHNICAL ENGINEER.
16. ELECTRICAL CONTRACTOR TO VERIFY AND/OR SIZE ELECTRICAL SYSTEM TO MEET OR EXCEED LOCAL CODE REQUIREMENTS.
17. HVAC CONTRACTOR TO VERIFY AND/OR SIZE HEATING AND COOLING LOADS AS FOR LOCAL CODES, CLIMATIC CONDITIONS, BUILDING ORIENTATION, AND VOLUME OF INTERIOR SPACE.
18. PLUMBING CONTRACTOR TO VERIFY AND/OR SIZE ALL PLUMBING MATERIALS AND INSTALLATION PROCEDURES TO BE DONE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
19. WINDOW DESIGNATIONS ARE PROVIDED AS THE OUTER JAMB DIMENSIONS OF THE UNIT, AND CALLED OUT IN FEET AND INCHES WIDE BY FEET AND INCHES TALL (EXAMPLE: 2852 DESIGNATION IS A WINDOW WITH 2 FOOT 8 INCH WIDE BY 5 FOOT 2 INCH TALL JAMB.) MANUFACTURER'S SHOP DRAWINGS MUST BE SUBMITTED FOR ARCHITECT'S REVIEW PRIOR TO ORDERING WINDOW PACKAGE.
20. CONTRACTOR TO COORDINATE SILL AND JAMB EXTENSIONS AS REQUIRED FOR EXTERIOR WALL CONDITIONS.
21. FLOOR FRAMING NOTE CALLED OUT ON PLANS FOR FLOOR SPACE ABOVE AND ARE IN DIRECTION OF SPAN.

BUILDING CODE SUMMARY

1. GENERAL INFORMATION

NAME OF PROJECT:	HENRY HOTEL
LOCATION:	BUNNELL, FL
PROPOSED USE:	HOTEL
OWNER / AGENT:	TBA
CONTRACTOR:	TBA

2. GENERAL CODE DATA

BUILDING CODE:	2023 FBC 8TH EDITION
STRUCTURAL CODE:	2023 FBC 8TH EDITION
PLUMBING CODE:	2023 FBC 8TH EDITION
MECHANICAL CODE:	2023 FBC 8TH EDITION
ELECTRICAL CODE:	2023 FBC 8TH EDITION
ENERGY CODE:	2023 FBC 8TH EDITION
ACCESBILITY COE:	2023 FBC 8TH EDITION
NFPA 1:	2021 EDITION
NFPA 13:	2022 EDITION
NFPA 25:	2020 EDITION
NFPA 101:	2018 EDITION
FLORIDA FIRE PREVENTION CODE	2023 FBC 7TH EDITION

3. CONSTRUCTION DESCR: NEW CONSTRUCTION

4. BUILDING DATA TYPE: IIB

SPRINKLED BUILDING:	NO
BUILDING HEIGHT:	12'-0"
NO. OF STORIES	1

5. OCCUPANCY CLASSIFICATION:
BUSINESS

STRUCTURAL DESIGN CRITERIA

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE, 8TH EDITION

DESIGN BASED ON THE FOLLOWING:

1. ULTIMATE DESIGN WIND SPEED (VULT)	140 MPH
2. ALLOWABLE WIND SPEED (VASD)	108.5 MPH
3. RISK CATEGORY	II
4. WIND EXPOSURE	B
5. ENCLOSURE CLASSIFICATION	PARTIALLY ENCLOSED

6. COMPONENTS AND CLADDING FOR STRUCTURE LESS THAN OR EQUAL TO 60'-0"

ZONE 4	MAX = 25.5 PSF
	MIN = -27.5 PSF
ZONE 5	MAX = 25.5 PSF
	MIN = -34.0 PSF

7. INTERNAL PRESSURE COEFFICIENT +/- 0.18
8. DEAD LOADS - BASED ON SELF WEIGHT OF CONSTRUCTION MATERIALS SHOWN IN PLANS. ANY ALTERNATE MATERIALS SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW.
9. LIVE LOADS

FLOOR	(40 PSF)
ROOF	(20 PSF)

OCCUPANT LOAD

BUSINESS: 1,650 SF DIVIDED BY 150SF / PERSON = 11 PEOPLE

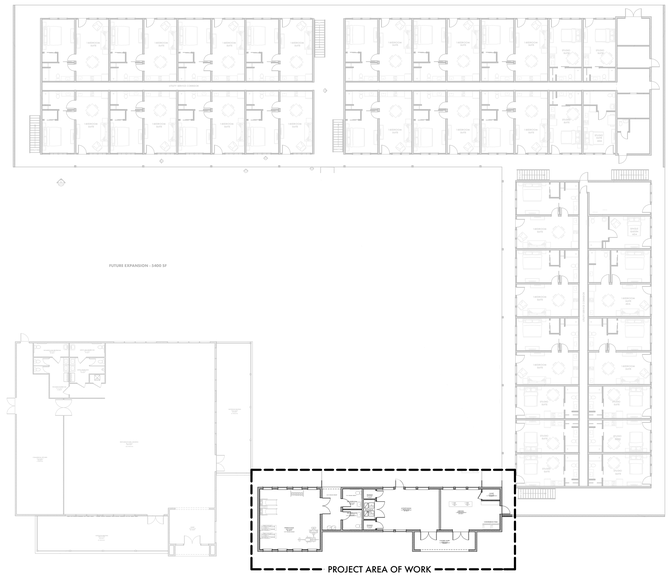
PLUMBING FIXTURE REQUIREMENTS

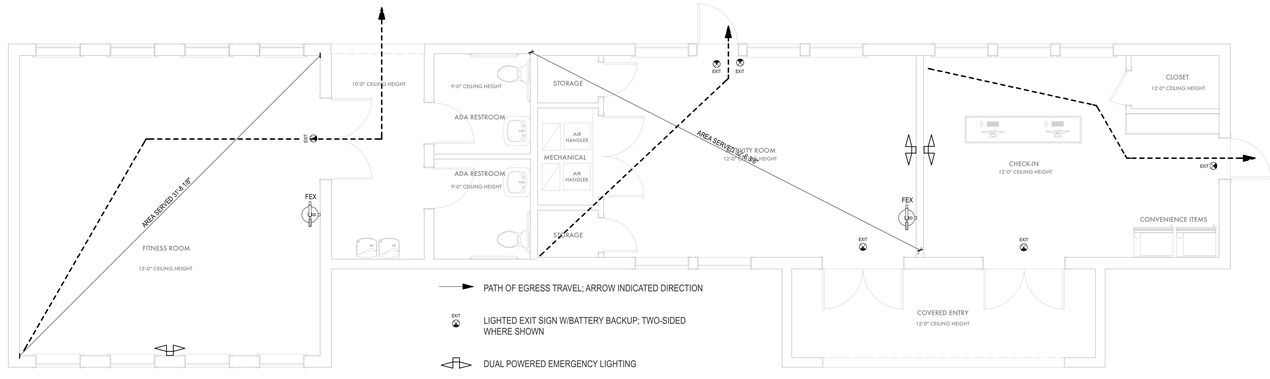
OCCUPANCY TYPE	WATER CLOSETS			LAVATORIES		URINALS	
BUSINESS	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR REMAINING EXCEEDING 50			1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR REMAINING EXCEEDING 80		SHALL NOT BE SUBSTITUTED FOR THAN 50% OF THE REQ'D WATER CLOSETS.	
		REQ'D	PROVIDED	REQ'D	PROVIDED	REQ'D	PROVIDED
	MALE: 6	1	1	1	1	0	0
	FEMALE: 6	1	1	1	1		

NOTE: ALL GUESTROOMS WITHIN 200' OF WATER'S EDGE OF POOL. NO RESTROOMS ARE REQUIRED.

SHEET INDEX

KEY PLAN





LIFE SAFETY PLAN
1/4"=1'-0"

BESPOKE GROUP
5 UTILITY DRIVE
SUITE 2D
(386) 338-3040
BESPOKEGROUPINC.COM

SEAL

DIGITAL SIGNATURE

PROJECT
Henry Hotel

ADDRESS
2251 Old Dixie Hwy
Bunnell, Florida 32110

ORIGINAL ISSUE DATE
August 25, 2021

CURRENT ISSUE DATE
June 27, 2024

DRAWN BY	CHECKED BY
jo	sp

PROJECT
TH
EXTE
E HENRY
NDED STAY HOTEL
2251 OLD DIXIE HIGHWAY
BUNNELL, FLORIDA 32110

REVISIONS

CURRENT PHASE
90% CONSTRUCTION DOCUMENTS

SHEET INFORMATION
COVER SHEET

CS

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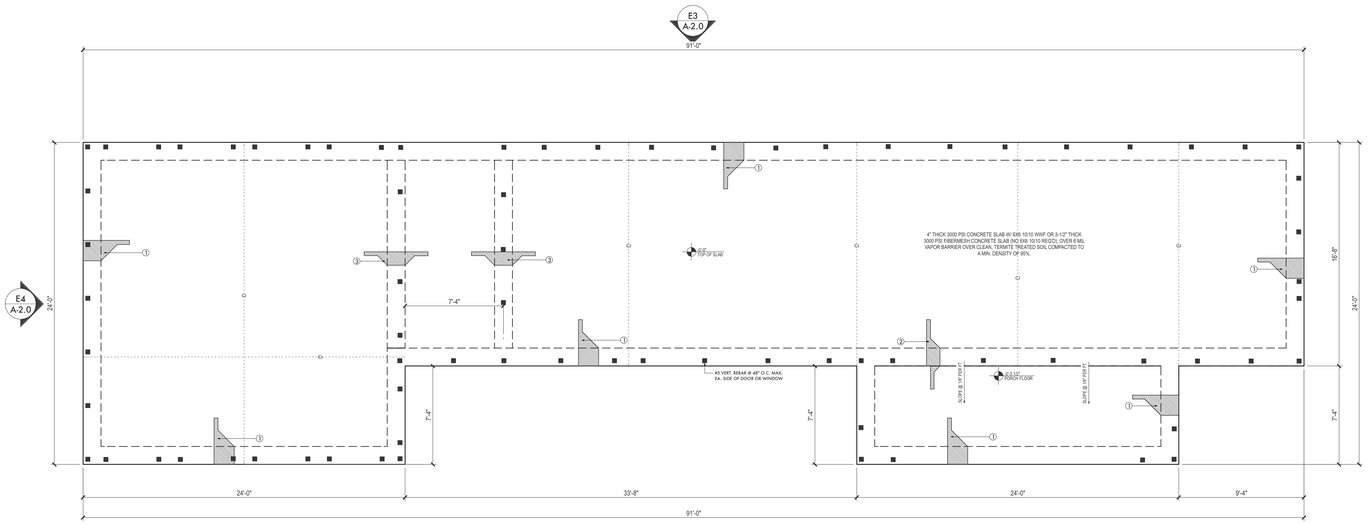
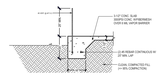
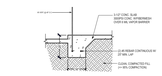


1 MONOLITHIC FOOTING

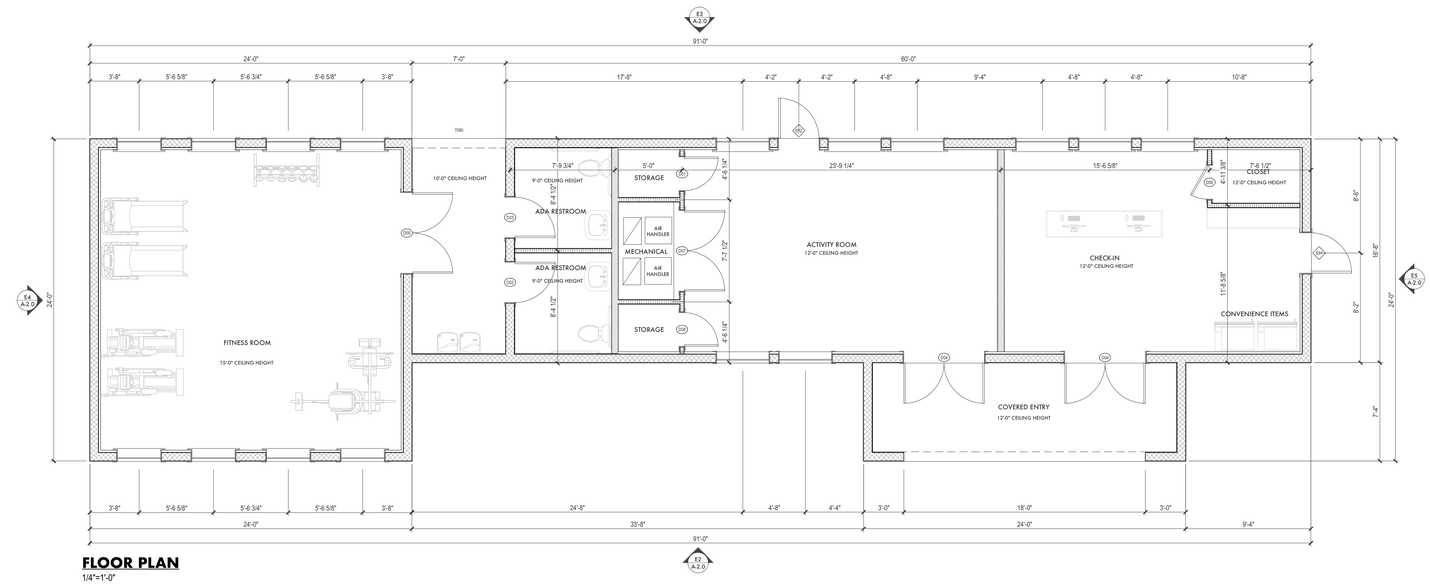


2 MONOLITHIC FOOTING @ COVERED PORCH



3 INTERIOR BEARING FOOTING - CMU

FOUNDATION PLAN
1/4"=1'-0"



FLOOR PLAN
1/4"=1'-0"

WINDOW SCHEDULE

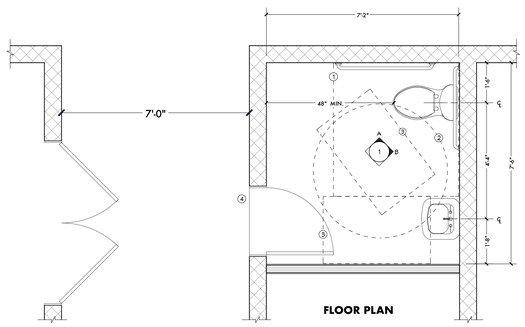
TYPE	NUMBER	LABEL	QTY	SIZE	EGRESS	DESCRIPTION	COMMENTS
	W01	3630FIX	8	3630FIX		FIXED GLASS	
	W02	3660FIX	4	3660FIX		FIXED GLASS	
	W03	4060FIX	8	4060FIX		FIXED GLASS	

EXTERIOR DOOR SCHEDULE

STYLE	NUMBER	LABEL	QTY	SIZE	EGRESS	DESCRIPTION	COMMENTS
	E01	3068	1	3068 R EX	YES	EXT. HINGED-GLASS PANEL	
	E02	3080	1	3080 L EX	YES	EXT. HINGED-GLASS PANEL	

INTERIOR DOOR SCHEDULE

STYLE	NUMBER	LABEL	QTY	SIZE	DESCRIPTION	COMMENTS
	D01	2680	1	2680 L IN	HINGED-DOOR P04	
	D02	3068	1	3068 L IN	HINGED-DOOR P04	
	D03	3068	1	3068 R IN	HINGED-DOOR P04	
	D04	6080	2	6080 L/R IN	DOUBLE HINGED-GLASS PANEL	
	D05	6070	1	6070 L/R IN	DOUBLE HINGED-GLASS PANEL	
	D06	2668	1	2668 R IN	HINGED-DOOR P04	
	D07	6080	1	6080 L/R IN	DOUBLE HINGED-DOOR P04	
	D08	2680	1	2680 R IN	HINGED-DOOR P04	



FLOOR PLAN

NOTE SCHEDULE
1 60"X56" AREA
2 60" TURNING DIAMETER
3 30"X48" CLEAR AREA
4 32" CLEAR OPENING MIN.
5 DOOR TO HAVE LATCH & CLOSER

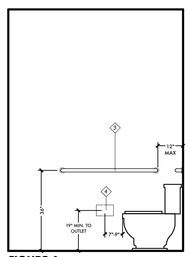


FIGURE A

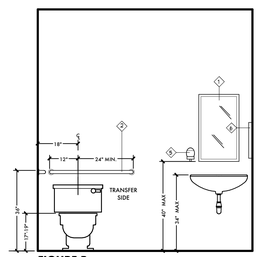


FIGURE B

ACCESSORY LIST
1 18" x 30" GLASS MIRROR w/ SS FRAME INSTALL NO GREATER THAN 40" AFF.
2 36" S.S. GRAB BAR - INSTALL AS SHOWN
3 42" S.S. GRAB BAR - INSTALL AS SHOWN
4 SURFACE MOUNT TOILET PAPER DISPENSER
5 WALL-MOUNTED SOAP DISPENSE
6 SURFACE MOUNT PAPER DISPENSER

TYPICAL ADA RESTROOM DETAILS
SCALE: 1/2"=1'-0"

PROJECT
THE HENRY
EXTENDED STAY HOTEL
2251 OLD DIXIE HIGHWAY
BUNNELL, FLORIDA 32110

REVISIONS

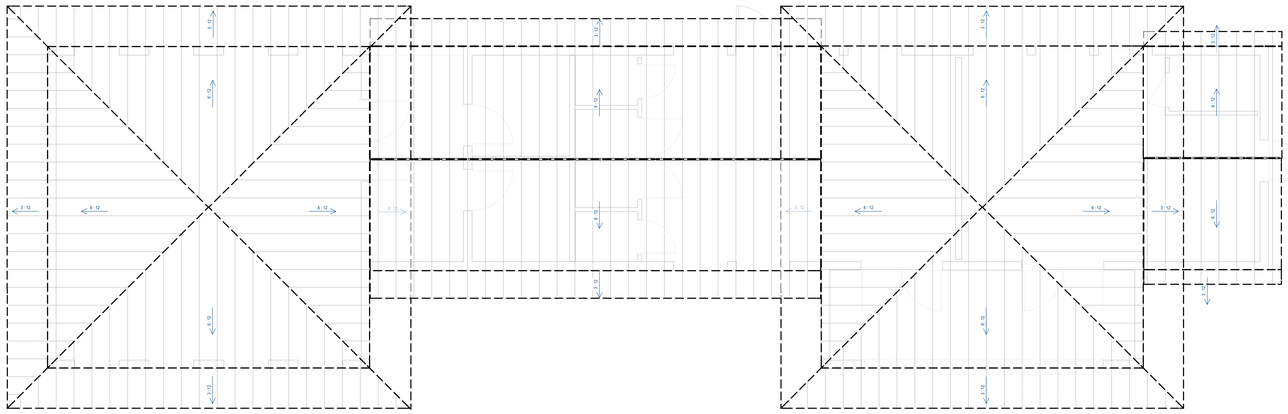
CURRENT PHASE
90% CONSTRUCTION DOCUMENTS

SHEET INFORMATION
FOUNDATION PLAN / FLOOR PLAN

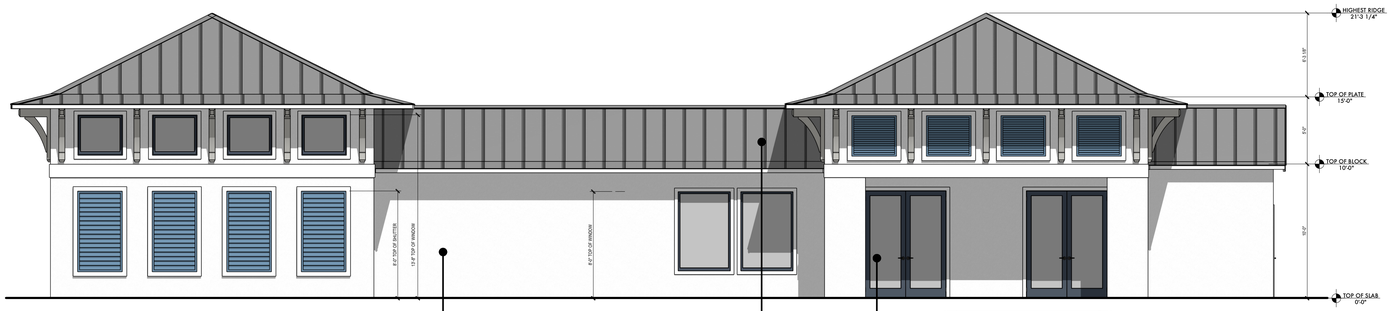
A-1.0

GENERAL FRAMING NOTES:

1. ALL DIMENSIONAL LUMBER SHALL BE DOUGLAS FIR LARCH NO. 2 AND LARGER LUMBER SHALL BE DOUGLAS FIR NO.1 OR BETTER, UNO.
2. WALL HEADERS: (2) 2 X 10 DF 2 W/ IK/IT TYP. UNO
3. I-JOISTS AND LVL MEMBERS MUST BE INSTALLED IN COMPLIANCE WITH THEIR LISTINGS.
4. ALL TRUSSES SHALL BE ENGINEERED AND STAMPED WITH A SEPARATE ENGINEERED DOCUMENT.
5. PRE-MANUFACTURED WOOD JOISTS & TRUSSES SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS, MANUFACTURED BY THE TRUSS OR JOIST COMPANY. NO MEMBERS SHALL BE MODIFIED AND MUST BE INSTALLED IN COMPLIANCE WITH THEIR LISTINGS. PROVIDE BRIDGING IN CONFORMANCE WITH THE MANUFACTURERS RECOMMENDATIONS. MEMBERS AND BRIDGING SHALL BE CAPABLE OF RESISTING THE WIND UPLIFT NOTED ON THE DRAWINGS. THE MANUFACTURER SHALL VISIT JOB SITE AS REQUIRED AND VERIFY THE PROPER INSTALLATION OF THE JOISTS & TRUSSES IN WRITING TO THE CONTRACTOR/ENGINEER. PRE-MANUFACTURED WOOD JOIST ALTERNATES WILL BE CONSIDERED, PROVIDED THE ALTERNATE IS COMPATIBLE WITH THE LOAD CAPACITY, STIFFNESS, DIMENSIONAL, AND FIRE RATING REQUIREMENTS OF THE PROJECT, AND IS ENGINEER OR ICBO APPROVED.
6. ALL JOISTS AND RAFTERS SHALL HAVE SOLID BLOCKING AT THEIR BEARING POINTS. CONNECT BLOCKING TO TOP OF WALL W/ SIMPSON® FRAMING ANCHORS. ROOF JOIST TO HAVE HURRICANE CLIPS @ 48" O.C. OR SIMPSON H-1 HURRICANE CLIPS @ 24" O/C. INSTALL PRIOR TO ROOF SHEETING.
7. ALL WOOD & IRON CONNECTIONS MUST CARRY THE CAPACITY OF THE MEMBER. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONNECTIONS. IF OTHER THAN STANDARD CONNECTIONS ARE REQUIRED, CONTACT PROJECT ENGINEER FOR ASSISTANCE. USE SIMPSON OR OTHER ICC LISTED CONNECTIONS.
8. ALL HANGERS AND NAILS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE SIMPSON Z-MAX HANGERS OR STAINLESS STEEL.
9. NAILS: ALL SHEAR WALL SHEATHING NAILS SHALL BE COMMON NAILS ALL FRAMING NAILS SHALL BE COMMON NAILS. OR HOT DIPPED GALVANIZED BOX NAILS. FRAMING NAILS SHALL BE PER IBC TABLE 2304.9.1 OR IRC TABLE R602.3(1).
10. THRUST SHALL BE ELIMINATED BY THE USE OF COLLAR TIES OR CEILING JOISTS, WHERE REQUIRED.
11. BEVELED BEARING PLATES ARE REQUIRED AT ALL BEARING POINTS FOR BCI & TJI RAFTERS.
12. ALL COLUMNS SHALL EXTEND DOWN THRU THE STRUCTURE TO THE FOUNDATION. ALL COLUMNS SHALL BE BRACED AT ALL FLOOR LEVELS. COLUMNS SHALL BE THE SAME WIDTH AS THE MEMBERS THAT THEY ARE SUPPORTING.
13. ALL EXTERIOR WALLS SHALL BE SHEATHED WITH 1/2" THICK 2-M-W SHEATHING OR EQUAL W/ 8D COMMON NAILS @ 6" O.C. @ EDGES @ 12" O.C. IN FIELD, UNO. SHEATHING SHALL BE CONTINUOUS ACROSS ALL HORIZONTAL FRAMING JOINTS.
14. ALL ROOF SHEATHING AND SUB-FLOORING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. SHEAR WALL SHEATHING SHALL BE BLOCKED WITH 2X FRAMING AT ALL PANEL EDGES. SHEATH ROOF PRIOR TO ANY OVER FRAMING.
15. PLYWOOD PANELS SHALL CONFORM TO THE REQUIREMENTS OF "U.S. PRODUCT STANDARD PS 1 FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD" OR APA PRP-108 PERFORMANCE STANDARDS. UNO, PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS. PLYWOOD INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANELS ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.
16. GLULAM BEAMS SHALL BE FABRICATED IN CONFORMANCE WITH U.S. PRODUCT STANDARD PS 56, "STRUCTURAL GLUED LAMINATED TIMBER" AND AMERICAN INSTITUTE OF TIMBER CONSTRUCTION, ATTIC 117. EACH MEMBER SHALL BEAR AN ATIC OR APA-EWS IDENTIFICATION MARK AND BE ACCOMPANIED BY A CERTIFICATE OF CONFORMANCE. ONE COAT OF END SEALER SHALL BE APPLIED IMMEDIATELY AFTER TRIMMING IN EITHER SHOP OR FIELD.
17. GLULAM BEAMS SHALL BE 24F-V4 DF/DF OR EQUAL FOR SIMPLE SPANS, AND 24F-V8 DF/DF FOR CONTINUOUS SPANS.
18. "VERSA-LAM" & "MICRO-LAM MEMBERS SHALL BE GRADE 2.0 E.
19. ANY WOOD IN CONTACT W/ CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
20. ALL WOOD & IRON CONNECTORS SHALL BE INSTALLED W/ ALL REQUIRED FASTENERS IN COMPLIANCE W/ THEIR WRITTEN APPROVAL.
21. ALL HANGERS TO BE SIMPSON® OR EQUAL.

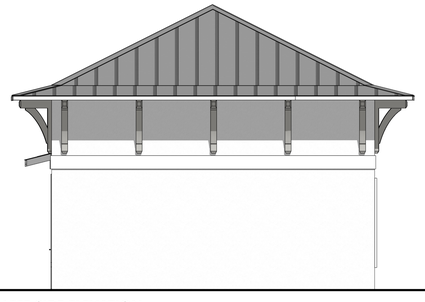


ROOF PLAN
1/4"=1'-0"

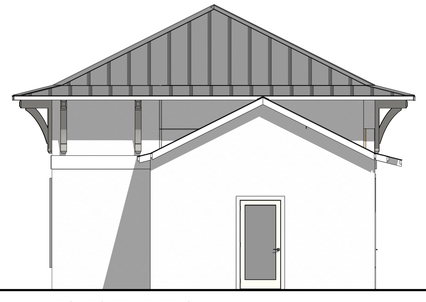


FRONT ELEVATION
1/4"=1'-0"

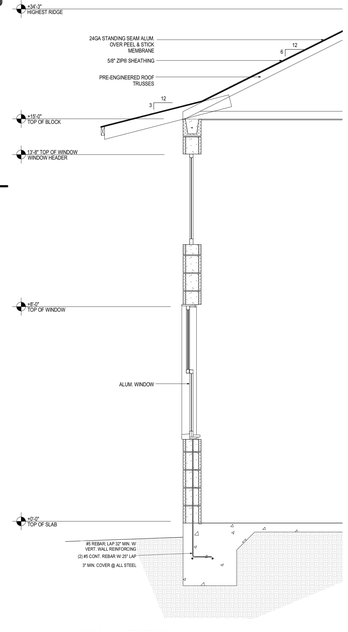
REAR ELEVATION
1/4"=1'-0"



LEFT SIDE ELEVATION
1/4"=1'-0"



RIGHT SIDE ELEVATION
1/4"=1'-0"



WALL SECTION
1/2=1'-0"

MASONRY UPLIFT CONNECTORS

MK	LOAD RANGE	PART NAME	NAILS / BOLTS	NOTES
A	1451# - 2235#	HHETA-20	10-10d (4-16d)	SINGLE PLY NOTE (4). P.166
B	2236# - 3965#	MGT	22-10d IN TRUSS 1-5/8" ANCHOR BOLT 7-10d (6-16d)	NOTE (2), (3), (4) P.168
C	3966# - 5050#	MGT + META18	32-SDS 1/4"x3", 2-5/8" EMB. ANCHOR (8)-16d IN TRUSS & (2)-3/4"x3-1/4" EMB. IN BLOCK	NOTE (1), (2), (3), (4) P.166 & 168
D	5051# - 7105#	2-VGT OR 1-HTT5 + 1-META18	32-SDS 1/4"x3", 2-5/8" EMB. ANCHOR (8)-16d IN TRUSS & (2)-3/4"x3-1/4" EMB. IN BLOCK	NOTE (1), (2), (3), (4) P.169
			26-16d IN TRUSS, 1-5/8" EMBED ANCHOR 7-10d	NOTE (1), (2), (3), (4) P.49 & 169
E	UP TO 10,000#	HGT-2 OR MGT652 +MGT	16-10d, 2-3/4" EMBED ANCHOR	NOTE (4), (5) P.168
			24-10d IN TRUSS, 24-3/16"x1-3/4" TAPCONS IN CMU 5/8" ANCHOR BOLT, 22-10d IN TRUSS	NOTE (1), (2), (4) P.173 & 169

NOTES:
1. ALL CONNECTORS MANUFACTURED BY SIMPSON.
2. ANCHORS ARE INSTALLED ON OPPOSITE SIDE OF WOOD MEMBER, CENTERED IN MASONRY BOND BEAM.
3. USE 5/8"x7" MIN. EMBED A307 J-BOLTS OR 5/8"x5-1/8" EMBED WEDGE ANCHORS
4. ADD FILLER BLOCK 2x SYP #2, 4" LONG, AND NAIL TO TRUSS WITH 4)-16d NAILS
5. MINIMUM NAIL EMBED SHALL BE 1.5/16" FOR 8D, 1-1/2" FOR 10D, AND 1.5/8" FOR 16D
6. ALL FASTENERS LISTED MAY BE SUBSTITUTED W/ FASTENERS OF EQUAL OR GREATER VALUE

GENERAL CONNECTOR NOTES:
1. CONNECT ALL ROOF / FLOOR TRUSSES TO MASONRY WALLS / LINTELS W/ ▲ CONNECTOR UNLESS NOTED OTHERWISE ON PLAN.
2. CONNECT ALL TRUSSES TO INTERIOR / EXTERIOR BEARING WOOD WALLS OR BEAMS W/ ◐ CONNECTOR UNLESS NOTED OTHERWISE ON PLAN
3. CONNECT ALL TYPICAL HIP JACK (CORNER JACK) TO MASONRY WALLS / LINTELS W/ ▲ CONNECTOR.
4. IF WOOD WALL / BEAM USE (2) ◐ CONNECTORS UNLESS NOTED OTHERWISE ON PLAN.
5. CONNECT ALL TRUSS CONNECTIONS TO INTERIOR BEARING WOOD WALLS W/ (2) 12D TOENAILS.
6. ALL TRUSS TO TRUSS CONNECTIONS ARE TO BE PROVIDED BY TRUSS MANUFACTURER UNLESS NOTED OTHERWISE ON PLAN.

2x4 SYP GRAVITY LOADS

QTY	SIZE	LENGTH (FT)	UNBRACED	BRACED
1	2x4	0 > 8'-0"	369	3000
2	2x4	0 > 8'-0"	2734	6000
3	2x4	0 > 8'-0"	8027	9000
1	2x4	8'-0" > 9'-4"	368	2283
2	2x4	8'-0" > 9'-4"	2094	4566
3	2x4	8'-0" > 9'-4"	6352	6849
1	2x4	9'-4" > 10'-0"	1808	4025
2	2x4	9'-4" > 10'-0"	5665	6035

NOTE: BRAGING TO BE EITHER SHEATHING OR BLOCKING BETWEEN STUDS.

2x6 SYP GRAVITY LOADS

QTY	SIZE	LENGTH (FT)	UNBRACED	BRACED
1	2x6	0 > 8'-0"	571	5156
2	2x6	0 > 8'-0"	4305	10312
3	2x6	0 > 8'-0"	12614	15468
1	2x6	8'-0" > 9'-4"	421	5156
2	2x6	8'-0" > 9'-4"	3237	10312
3	2x6	8'-0" > 9'-4"	9482	15468
1	2x6	9'-4" > 10'-0"	2841	10312
2	2x6	9'-4" > 10'-0"	8403	15468

NOTE: BRAGING TO BE EITHER SHEATHING OR BLOCKING BETWEEN STUDS.

NAILING ZONES FOR SHINGLES & TILE:

ZONE 1: 8d RING SHANK @ 6" O.C. ON EDGE, 8d RING SHANK @ 6" O.C. IN FIELD

ZONE 2: 8d RING SHANK @ 6" O.C. ON EDGE, 8d RING SHANK @ 6" O.C. IN FIELD

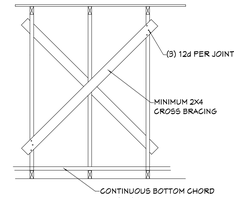
ZONE 3: 8d RING SHANK @ 4" O.C. ON EDGE, 8d RING SHANK @ 6" O.C. IN FIELD

NOTE:

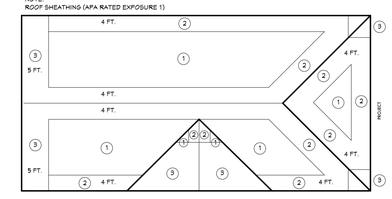
OPTIONAL NAILS FOR FACE MOUNT HANGERS & STRAPS

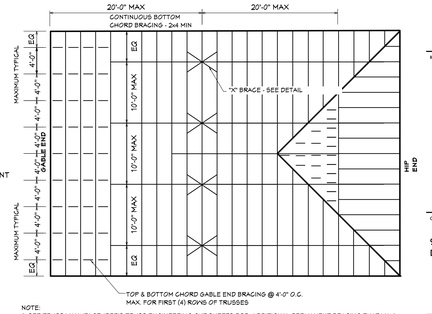
CATALOG NAIL	REPLACEMENT NAIL	ALLOWABLE LOAD ADJUSTMENT FACTOR (SYP)
16d COMMON	8d COMMON	0.69
16d COMMON	10d COMMON	0.84
16d COMMON	12d COMMON	
16d COMMON	10d x 1-1/2"	0.69
16d COMMON	10d SINKER	0.56
16d COMMON	10d SINKER	0.84
16d COMMON	16d x 2-1/2	1.00
10d COMMON	10d SINKER	0.70
10d COMMON	8d COMMON	0.83
10d COMMON	8d x 1-1/4"	0.66
10d COMMON 12d COMMON	10d x 1-1/2"	0.80
10d COMMON 12d COMMON	16d SINKER	1.00
8d COMMON	8d x 1-1/4"	0.80
8d x 1-1/2"	8d x 1-1/4"	0.86
10d x 1-1/2"	8d x 1-1/2"	0.80

NOTE: MULTIPLY ALLOWABLE STRAP LOAD x ADJUSTMENT



"X" BRACE DETAIL





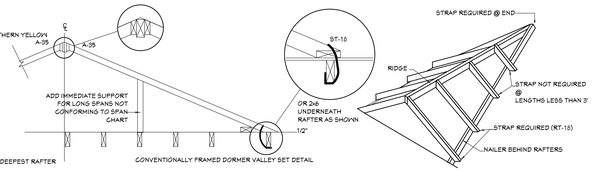
NOTE:
1. SEE TRUSS MANUFACTURER'S TRUSS ENGINEERING CUT SHEETS FOR ADDITIONAL PERMANENT BRAGING THAT MAY BE REQUIRED.
2. "T" BRACING MAY BE USED IN PLACE OF PERMANENT BRAGING PROVIDED IT EXTENDS OVER AT LEAST 90% OF THE WEB.

VALLEY SET FRAMING NOTE:
VALLEY RAFTERS & RIDGE MEMBERS - #2 SOUTHERN YELLOW PINE. CONNECT AS FOLLOWS:
A. RAFTER TO RIDGE BEAM
SIMPSON A35 W12-8d x 1-1/2" NAILS
B. RAFTER TO ROOF TRUSS
SIMPSON H6 W14-16d OR EQUIV.

RAFTER SPACING TO BE 2'-0" O.C. MAX.
MEMBER SIZES ARE AS FOLLOWS:

SPAN:	RAFTER
TO 9'-0"	2x4
9'-1" TO 9'-0"	2x6
9'-1" TO 12'-0"	2x8

RIDGE MEMBER TO BE 2x GREATER THAN THE DEEPEST RAFTER



BESPOKE GROUP
5 UTILITY DRIVE
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BESPOKEGROUPINC.COM

SEAL

DIGITAL SIGNATURE

PROJECT
Henry Hotel

ADDRESS
2251 Old Dixie Hwy
Bunnell, Florida 32110

ORIGINAL ISSUE DATE
August 25, 2021

CURRENT ISSUE DATE
June 27, 2024

DRAWN BY: jo | CHECKED BY: kp

THE HENRY
EXTENDED STAY HOTEL
2251 OLD DIXIE HIGHWAY
BUNNELL, FLORIDA 32110

REVISIONS

CURRENT PHASE
90% CONSTRUCTION DOCUMENTS

SHEET INFORMATION
EXTERIOR ELEVATIONS / FRAMING DETAILS

A-2.0

PROJECT NOTES

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION. ALL DIMENSIONS RELATING TO EXISTING CONDITIONS SHOULD BE FIELD VERIFIED.
2. ANY DIMENSIONAL DISCREPANCIES ARE TO BE DIRECTED TO BESPOKE ARCHITECTURE BEFORE FABRICATION OF AREA IN QUESTION.
3. DIMENSIONS ARE CALLED OUT FROM THE OUTSIDE FACE OF STUDS @ EXTERIOR WALLS TO CENTERLINE OF INTERIOR STUD WALLS. WINDOW AND DOOR OPENING, IN STUD CONSTRUCTION, ARE DIMENSIONED TO CENTER OF OPENING. MASONRY WALLS ARE CALLED OUT FROM OUTSIDE FACE OF MASONRY TO FACE OF MASONRY. WINDOW AND DOOR OPENING, IN MASONRY CONSTRUCTION, ARE DIMENSIONED AS MASONRY OPENINGS (NOTED AS M.O.).
4. DIMENSIONS FOR ELEVATIONS, SECTIONS, AND DETAILS ARE CALLED OUT FROM TOP OF SUB FLOOR.
5. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. CONTRACTOR TO NOTIFY BESPOKE ARCHITECTURE OF ANY DISCREPANCIES WITH THESE DRAWINGS AND/ OR SITE INFORMATION PRIO TO BEGINNING CONSTRUCTION AND/OR ORDERING MATERIALS.
6. CONTRACTOR TO PROVIDE WOOD BLOCKING FOR ALL MILLWORK AND ANY WALL HUNG COUNTERS, LEDGES, AND SHELVING. PROVIDE BLOCKING AS REQUIRED BY CONSTRUCTION.
7. ALL FINISH WORK SHALL BE SMOOTH, FREE FROM ABRASION AND/OR TOOL MARKS ON ANY EXPOSED SURFACES. ALL SPECIFIED FINISHES ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS.
8. ALL CONSTRUCTION SHALL COMPLY WITH ALL BUILDING CODES AND REQUIREMENTS HAVING JURISDICTION OVER THIS PROJECT.
9. PIPING LOCATED ABOVE GRADE AND INSIDE THE BUILDING SHALL BE CONCEALED IN CHASES/ FURRED SPACES WITH THE EXCEPTION OF PIPING IN EQUIPMENT ROOMS. THE CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO PROVIDE FURRING FOR PIPING INSTALLED IN FINISH AREAS.
10. ALL DOORFRAME LOCATIONS ARE TO BE DETERMINED BY: INSIDE FACE OF DOORFRAME WILL BE LOCATED MINIMUM 6" CLEAR FROM THE EDGE OF THE ADJACENT PARTITION, UNLESS NOTED OTHERWISE. FOR CMU WALLS, SEE DIMENSIONAL PLAN.
11. CONTRACTOR TO COORDINATE KEYING REQUIREMENTS WITH OWNER (MASTER KEYING, GRANDMASTER KEYING, ETC.).
12. CONTRACTOR TO VERIFY LOCATION OF THERMOSTATS, ELECTRICAL FLOOR OUTLETS, AND CABLE CONNECTIONS WITH ARCHITECT PRIOR TO INSTALLATION.
13. BEAMS, HEADERS, AND LINTELS, TO BE SIZED BY MANUFACTURER'S ENGINEER AND SUBMITTED FOR REVIEW BY ARCHITECT, UNLESS SPECIFIED IN PLANS OTHERWISE.
14. USE DOUBLE JOISTS UNDER WALLS WHICH RUN UNDER JOISTS.
15. EXACT SIZE AND REINFORCEMENT OF ALL CONCRETE FOOTINGS MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION. VERIFY DESIGN WITH LOCAL GEOTECHNICAL ENGINEER.
16. ELECTRICAL CONTRACTOR TO VERIFY AND/OR SIZE ELECTRICAL SYSTEM TO MEET OR EXCEED LOCAL CODE REQUIREMENTS.
17. HVAC CONTRACTOR TO VERIFY AND/OR SIZE HEATING AND COOLING LOADS AS FOR LOCAL CODES, CLIMATIC CONDITIONS, BUILDING ORIENTATION, AND VOLUME OF INTERIOR SPACE.
18. PLUMBING CONTRACTOR TO VERIFY AND/OR SIZE ALL PLUMBING MATERIALS AND INSTALLATION PROCEDURES TO BE DONE IN ACCORDANCE WITH LOCAL REQUIREMENTS.
19. WINDOW DESIGNATIONS ARE PROVIDED AS THE OUTER JAMB DIMENSIONS OF THE UNIT, AND CALLED OUT IN FEET AND INCHES WIDE BY FEET AND INCHES TALL (EXAMPLE: 2052 DESIGNATION IS A WINDOW WITH 2 FOOT 0 INCH WIDE BY 5 FOOT 2 INCH TALL JAMB.) MANUFACTURER'S SHOP DRAWINGS MUST BE SUBMITTED FOR ARCHITECT'S REVIEW PRIOR TO ORDERING WINDOW PACKAGE.
20. CONTRACTOR TO COORDINATE SILL AND JAMB EXTENSIONS AS REQUIRED FOR EXTERIOR WALL CONDITIONS.
21. FLOOR FRAMING NOTE CALLED OUT ON PLANS FOR FLOOR SPACE ABOVE AND ARE IN DIRECTION OF SPAN.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
A/C	AIR CONDITIONING
ALUM	ALUMINUM
AB	ANCHOR BOLT
APPROX	APPROXIMATE / LY
BRG PL	BEARING PLATE
BEL	BELOW
BM	BEAM
BRG	BEARING
BLK	BLOCK / ING
BD	BOARD
BOT	BOTTOM
BLDG	BUILDING
CAB	CABINET
CSMT	CASEMENT
CLG	CEILING
CLR	CLEAR / ANCE
CL	CLOSET
CO	COMPANY
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONST	CONSTRUCT / ION
CONT	CONTINUOUS
CORR	CORRUGATED
CT	COUNT / ER
DL	DEAD LOAD
DTL	DETAIL
DIAM	DIAMETER
DIM	DIMENSION
DR	DOOR
DN	DOWN
DS	DOWNSPOUT
DWG	DRAWING
ELEC	ELECTRIC / AL
EQ	EQUAL
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED
EXT	EXTERIOR
FIN	FINISH / ED
FFE	FINISHED FLOOR ELEVATION
FD	FLOOR DRAIN
FT	FOOT / FEET
FTG	FOOTING
FND	FOUNDATION
GA	GAGE / GAUGE
GALV	GALVANIZED
GYP BD	GYPSUM BOARD
HR	HOUR
HVAC	HEATING & VENTILATION
HT	HEIGHT
HC	HOLLOW CORE
HM	HOLLOW METAL
HOR	HORIZONTAL
HB	HOSE BIB
INSUL	INSULATION
JST	JOIST
KIT	KITCHEN
LAV	LAVATORY
LT WT	LIGHT WEIGHT
LF	LINEAR FOOT / FEET
LL	LIVE LOAD
LVR	LOUVER
MR	MOISTURE RESISTANT
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MISC	MISCELLANEOUS
NRC	NOISE REDUCTION COEFFICIENT
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PR	PAIR
PED	PEDESTAL
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PL	PROPERTY LINE
PT	PRESSURE TREATED
QTY	QUANTITY
RAD	RADIUS
RECEP	RECEPTACLE
REFRIG	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE / ING / MENT
REQD	REQUIRED
RA	RETURN AIR
REV	REVISION
RM	ROOM
SCHED	SCHEDULE
SECT	SECTION
SIM	SIMILAR
SC	SOLID CORE
SPEC	SPECIFICATIONS
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
TEL	TELEPHONE
TV	TELEVISION
TH / THK	THICK
THRESH	THRESHOLD
T&G	TONGUE & GROOVE
TOB	TOP OF BLOCK
TOS	TOP OF SLAB
TOW	TOP OF WALL
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY, INC.
UNO	UNLESS NOTED OTHERWISE
VAR	VARIES
VERT	VERTICAL
VIF	VERIFY IN FIELD
WSCT	WAINSCOT
WIC	WALK-IN CLOSET
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE METAL
WIN	WINDOW
WD	WOOD

KEY PLAN

BUILDING CODE SUMMARY

1. GENERAL INFORMATION
NAME OF PROJECT: HENRY HOTEL
LOCATION: BUNNELL, FL
PROPOSED USE: HOTEL
OWNER / AGENT: TBA
CONTRACTOR: TBA.

2. GENERAL CODE DATA
BUILDING CODE: 2020 FBC 7TH EDITION
STRUCTURAL CODE: 2020 FBC 7TH EDITION
PLUMBING CODE: 2020 FBC 7TH EDITION
MECHANICAL CODE: 2020 FBC 7TH EDITION
ELECTRICAL CODE: 2020 FBC 7TH EDITION
ENERGY CODE: 2020 FBC 7TH EDITION
ACCESBILITY COE: 2020 FBC 7TH EDITION
NFPA 1: 2021 EDITION
NFPA 13: 2022 EDITION
NFPA 25: 2020 EDITION
NFPA 101: 2018 EDITION
FLORIDA FIRE PREVENTION CODE 2020 FBC 7TH EDITION

3. CONSTRUCTION DESCR: LEVEL 3 RENOVATION

4. BUILDING DATA TYPE: IIB
SPRINKLED BUILDING: YES
BUILDING HEIGHT: 22'-6"
NO. OF STORIES 2

5. OCCUPANCY CLASSIFICATION:
R-1 RESIDENTIAL (TRANSIENT)

HENRY HOTEL - RESTAURANT BUILDING

STRUCTURAL DESIGN CRITERIA

ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE 2020 FLORIDA BUILDING CODE, 7TH EDITION

DESIGN BASED ON THE FOLLOWING:
1. ULTIMATE DESIGN WIND SPEED (VULT) 140 MPH
2. ALLOWABLE WIND SPEED (VASD) 108.5 MPH
3. RISK CATEGORY II
4. WIND EXPOSURE B
5. ENCLOSURE CLASSIFICATION PARTIALLY ENCLOSED
6. COMPONENTS AND CLADDING FOR STRUCTURE LESS THAN OR EQUAL TO 60'-0"
   ZONE 4 MAX = 25.5 PSF
   MIN = -27.5 PSF
   ZONE 5 MAX = 25.5 PSF
   MIN = -34.0 PSF
7. INTERNAL PRESSURE COEFFICIENT +/- 0.18
8. DEAD LOADS - BASED ON SELF WEIGHT OF CONSTRUCTION MATERIALS SHOWN IN PLANS. ANY ALTERNATE MATERIALS SHALL BE SUBMITTED TO ARCHITECT FOR REVIEW.
9. LIVE LOADS
   FLOOR (40 PSF)
   ROOF (20 PSF)

SQUARE FOOTAGE ANALYSIS

RESTAURANT SPACE:	5,074 SF
EXTERIOR SEATING:	1,240 SF
COVERED ENTRY:	50 SF
TOTAL SPACE:	6,364 SF

OCCUPANT LOAD

RESTAURANTS: 4,659 SF DIVIDED BY 15 SF / PERSON = 311 PERSONS
COMMERCIAL KITCHEN: 990 SF DIVIDED BY 200 SF / PERSON = 5 PERSONS
TOTAL 316 PERSONS

PLUMBING FIXTURE REQUIREMENTS

OCCUPANCY TYPE	WATER CLOSETS				LAVATORIES		URINALS	
RESTAURANTS, BANQUET HALLS AND FOOD COURTS	1 PER 75 PERSONS				1 PER 200 PERSONS		SHALL NOT BE SUBSTITUTED FOR THAN 50% OF THE REQ'D WATER CLOSETS.	
			REQ'D	PROVIDED	REQ'D	PROVIDED	REQ'D	PROVIDED
	MALE:	158	3	2	1	2	0	1
	FEMALE:	158	3	3	1	2		

SHEET INDEX

SHEET #	TITLE
CS	COVER SHEET
A-1.0	LIFE SAFETY - 1ST FLOOR
A-2.0	EXTERIOR ELEVATIONS

BESPOKE GROUP
5 UTILITY DRIVE
SUITE 2D
(386) 338-3040
BESPOKEGROUPINC.COM

SEAL

DIGITAL SIGNATURE

PROJECT
Henry Hotel
ADDRESS
2251 Old Dixie Hwy
Bunnell, Florida 32110

ORIGINAL ISSUE DATE
August 25, 2021
CURRENT ISSUE DATE
November 15, 2022

DRAWN BY	CHECKED BY
jo	sp

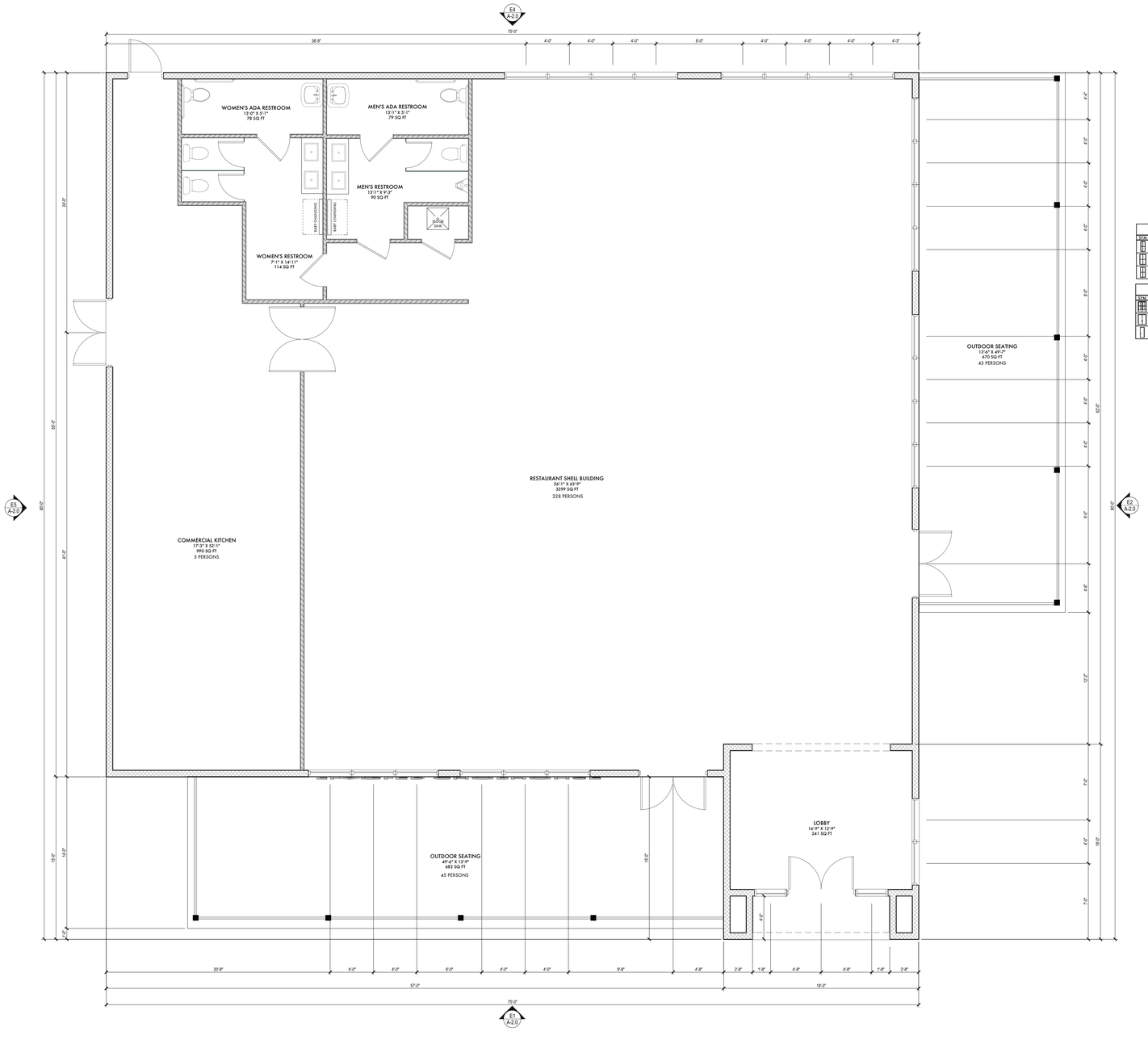
PROJECT
THE HENRY
EXTENDED STAY HOTEL
2251 OLD DIXIE HIGHWAY
BUNNELL, FLORIDA 32110

REVISIONS

CURRENT PHASE
75% DESIGN DEVELOPMENT

SHEET INFORMATION
COVER SHEET

CS



FLOOR PLAN
1/4"=1'-0"

WINDOW SCHEDULE

SYM	NUMBER	LABEL	QTY	SIZE	EGRESS	DESCRIPTION	COMMENTS
	W01	3068FX	2	3068FX		FIXED GLASS	
	W02	4068FX	2	4068FX		FIXED GLASS	
	W03	4080FX	22	4080FX		FIXED GLASS	

EXTERIOR DOOR SCHEDULE

SYM	NUMBER	LABEL	QTY	SIZE	EGRESS	DESCRIPTION	COMMENTS
	E01	6080	3	6080 L/R EX	YES	EXT. DOUBLE HINGED-GLASS PANEL	
	E02	6080	1	6080 L/R EX	YES	EXT. DOUBLE HINGED-SLAB	
	E03	3080	1	3080 L EX	YES	EXT. HINGED-SLAB	

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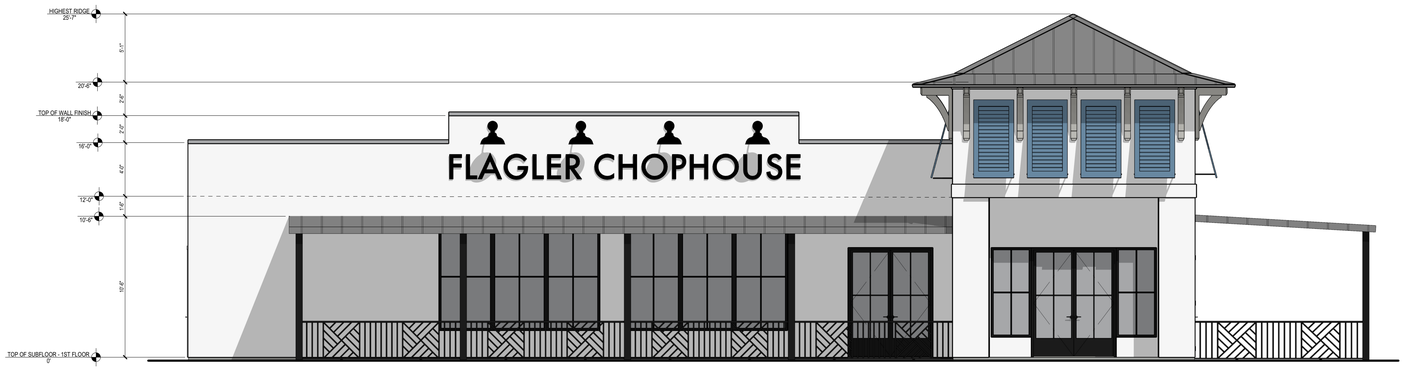
PROJECT

REVISIONS

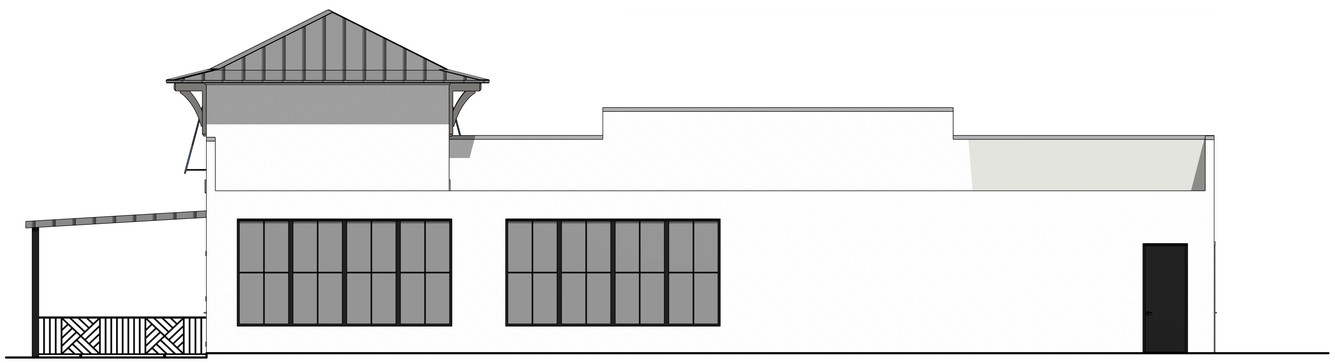
CURRENT PHASE
75% DESIGN
DEVELOPMENT

SHEET INFORMATION
LIFE SAFETY - 1ST FLOOR

A-1.0

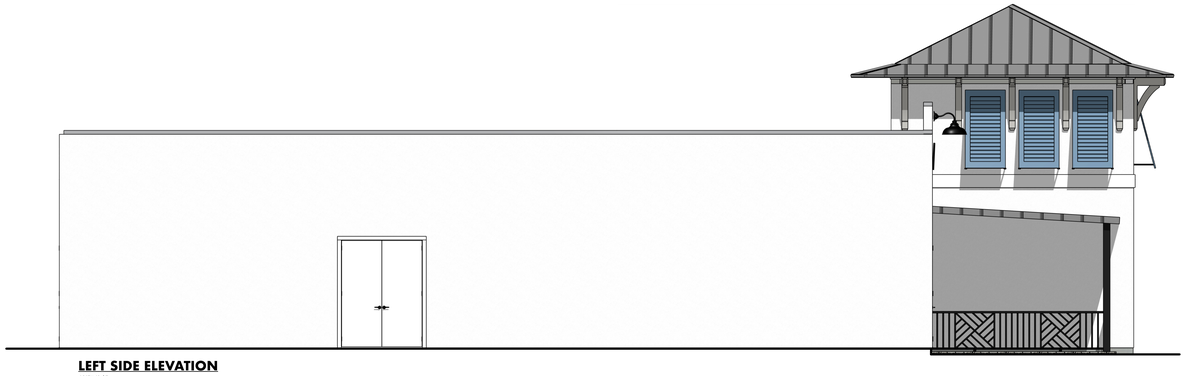


FRONT ELEVATION
1/4"=1'-0"



REAR ELEVATION
1/4"=1'-0"

RIGHT SIDE ELEVATION
1/4"=1'-0"



LEFT SIDE ELEVATION
1/4"=1'-0"

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PROJECT

REVISIONS

CURRENT PHASE
75% DESIGN
DEVELOPMENT

SHEET INFORMATION
EXTERIOR ELEVATIONS

A-2.0

EXISTING VEGETATION - TO BE PRESERVED

EXISTING VEGETATION - TO BE PRESERVED

NON-IRRIGATED BAHIA SOD (TYP.)

NON-IRRIGATED BAHIA SOD (TYP.)

NON-IRRIGATED BAHIA SOD (TYP.)

IRRIGATED ST. AUGUSTINE PROVISTA SOD (TYP.)

IRRIGATED ST. AUGUSTINE PROVISTA SOD (TYP.)

IRRIGATED ST. AUGUSTINE PROVISTA SOD (TYP.)

EXISTING TREES TO BE PRESERVED

25' PERIMETER BUFFER

5' PERIMETER BUFFER

25' PERIMETER BUFFER

LS2 / LS1

LS2 / LS1

N06°28'50"E 726.28'(D)

S66°36'33"E

S00°36'33"W 0.15'

S59°23'27"W 464.97'(D) 465.21'M

510'

340'

87'

216'

5' CONCRETE WALK

DRAINAGE CANAL

HOLIDAY TRAVEL PARK ROAD

DRAIN FIELD

LIGHT POLE - BY OTHERS (TYP.)

CATCH & SPOT

GRAPHIC SCALE

0' 15' 30' 60'

(IN FEET)

1 inch = 30 ft.

For County Use

Date: 7-26-2024
Scale: 1" = 30'
Drawn: MB
Checked By: MB
Revisions:

Michael Beebe
Florida LA# 0000927

FINAL LANDSCAPE PLAN

BEEBE & ASSOCIATES, INC.
Golf Course Design, Renovation, Landscape Architecture & Consulting
250 Palm Coast Parkway NE, Suite #607, PMB128, Palm Coast, Florida 32137-8225
Phone: (386) 931-1202 Fax: (386) 446-8306 Email: michael@beebeassociates.com

THE HENRY HOTEL REDEVELOPMENT PROJECT

FLAGLER COUNTY, FLORIDA

BEEBE & ASSOCIATES, INC.

LS1

Sheet 1

N89°23'27"E
60.00'
100.25'
S00°36'33"E
445.61'
S89°23'27"W
N06°28'50"E
726.28'
EXISTING VEGETATION - TO BE PRESERVED
NON-IRRIGATED BAHIA SOD (TYP.)
IRRIGATED ST. AUGUSTINE PROVISTA SOD (TYP.)
5' CONCRETE WALK
EXISTING TREES TO BE PRESERVED
25' PERIMETER BUFFER
LS2
LS1
GRAPHIC SCALE
0' 10' 20' 40'
(IN FEET)
1 inch = 20 ft.

For County Use

Date: 7-26-2024
Scale: 1" = 30'
Drawn: MB
Checked By: MB
Revisions:

Michael Beebe
Florida LA# 0000927

FINAL LANDSCAPE PLAN

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THE HENRY HOTEL REDEVELOPMENT PROJECT

FLAGLER COUNTY, FLORIDA

BEEBE & ASSOCIATES, INC.

LS2
Sheet 2

LANDSCAPE SPECIFICATIONS

PART 1 – GENERAL NOTES

1.1 Scope. This section includes all planting of shrubs, trees, ground covers and other supplementary work shown on the drawings and specified herein, complete.

1.2 Applicable Documents. The following publications, specifications, and standards of the issues listed in this paragraph (including the amendments and addenda designated), but referred to hereinafter by basic designation only, form a part of this specification to the extent required by the references thereto.

1.3 Publication of Reference. Publications as herein listed shall be held in basic reference:

1.3.1 Grades and Standards for Nursery Plants, Parts I & II, State Department of Agriculture and/or State Plant Board of Florida.

1.3.2 State of Florida Fertilizer Law, Office of the Secretary of State, Tallahassee, FL.

1.3.3 American Standard for Nursery Stock (ANSI Z60.1-), American Association of Nurserymen.

1.3.4 Tree Care Operations (ANSI Z133.1-).

1.3.5 Guideline Specifications to Sodding, American Sod Producers Association (ASPA).

1.4 Substitution of Plan Material. If a plant is found to be unavailable, submit proof of non-availability and a proposal for use of equivalent material. When authorized, adjustment of contract amount will be made. No substitutions will otherwise be authorized.

1.5 On-site Conditions and Adjustments. The locations of plants, as shown on the plans, are approximate. Planting shall be adjusted to fit actual as-built conditions on the site and any changes in locations caused thereby shall be made without additional cost to the Owner, Owner's Representative or Landscape Architect. The Contractor shall immediately notify the Owner's Representative when conditions detrimental to plant growth are encountered, such as rubble fill, lime rock or obstructions; and when field conditions are different than portrayed on the plans prior to planting. The Owner or Owner's Representative may adjust the layout or location of specified plant materials to avoid these areas without additional cost.

1.6 Coordination of Plantings. Coordinate all landscape work with the Owner's Representative and other contractors. Plant trees and shrubs after final grades are established and prior to planting of sod, unless otherwise directed by the Owner's Representative.

1.7 Fine Grading. Provide fine grading necessary to establish finish grade in all landscape areas. Fine grading shall include only minor grading to correct random or infrequent grade irregularities of 12" or less unless otherwise noted on the plans.

1.8 Liability of Contractor. Contractor shall be liable to any and all damages to property that result from his performance. He shall, without extra cost, restore to original condition any areas and/or construction damaged, defaced, disturbed or destroyed by him or his workmen.

1.9 Tree Tagging. A tree tagging trip may be requested by Owner's Representative prior to approval of plant material.

1.10 Inferior Materials. Contractor shall be responsible for rejecting inferior materials. Materials in a damaged or unhealthy state may be rejected by Owner's Representative, if necessary.

1.11 Onsite Debris. Contractor shall be responsible for removing and disposing of offsite all stones over 1" diameter, sticks, roots and other extraneous matter in planted areas to a depth of 2'. If debris is excessive and results from construction waste, contact Owner's Representative for appropriate actions.

PART 2 – MATERIALS

2.1 General Plant Material Requirements. Provide state inspected, nursery grown plants, unless otherwise specified. Conform to the plant schedule, Florida Department of Agriculture Grades and Standards for Nursery Plants, local landscape ordinances and where applicable, ANSI 60.1. All plant material shall be nursery grown, Florida No. 1 stock. All materials shall be healthy, vigorous, free of diseases and insects, pruned for best shape without appearance of "de-horning" and without symptoms of nutritional deficiency. All plants must be true of variety, cultivars, and/or species. Plants must measure according to sizing requirements detailed on the plans. All plant materials will be subject to approval of the Owner or Owner's Representative for quality, size and color.

2.2 Soil Additives. Contractor shall be responsible for adding peat, humus, fertilizer, pH adjusters or any other commercially accepted soil additive to insure normal, healthy plant growth.

2.3 Balled & Burlapped Trees. Ensure that field grown material follows local industry standards for root pruning, digging, balling and burlapping, etc. All balled and burlapped materials must be hardened off before shipment. All materials are subject to approval by Owner's Representative prior to shipping to project site.

2.4 Spaded Trees. Trees shall have been spaded from a commercial nursery field that has been inspected the Department of Agriculture and Consumer Services within the last 12 months. The Contractor shall provide a copy of the most recent Nursery, Stock dealer and Special Inspection Report for verification upon Owner's Representative request. Ball size shall be at least one size greater than recommended by ANZI Z60.1, American Standard for Nursery Stock, unless otherwise specified. Spaded material is subject to approval and tagging by the Owner's Representative prior to shipping to project site.

2.5 Container Plants. Provide container grown plants with sufficient roots to hold the container soil together after removal from the container. Root bound plants and plants with inadequate root systems are not acceptable.

2.6 Surface Mulch. Plans shall specify mulch type. Mulch shall be in a non-decomposed state not more than 1-year old.

2.7 General Seed Requirements. Where seeding may be required on the plans, the seed required shall comply with all maximum provisions of the Florida Seed Certification and Testing Law. Noxious seeds shall be non-existent and foreign materials shall not exceed two percent.

2.8 General Sod Requirements. See plans for specified sod. All sod shall be healthy, strongly rooted, free of weeds and undesirable native grasses. Sod shall conform to "Nursery Grown" grade as established by American Sod Producers Association (ASPA). Sod shall be considered free of weeds if less than 5 weeds are found 100 square feet of area. Brown, dry, irregularly smooth and/or unfresh sod will be rejected.

PART 3 – PLANTING PROCEDURES

3.1 General. Prior to commencement of any work, the Landscape Contractor shall inspect the site, locate planting areas, locate electrical cables, conduits and other underground and above ground utilities so that proper precautions and procedures may be followed during and throughout construction. The Contractor shall become familiar with other job trade activity which has an impact on his work or on which his work has an impact and shall arrange to carefully coordinate his work with other trades through the Owner's Representative on-site. All planting practices listed herein shall insure healthy plant growth.

3.2 Layout. The location of plants and planting beds, as shown on these plans, are approximate. The locations and bed lines shall be staked on the project by the Contractor and approved by the Owner's Representative before any plants are installed. The Owner's Representative may adjust plant material locations to meet field conditions. The Contractor shall make minor adjustments without additional cost to the Owner.

3.3 Finish Grades. The Landscape Contractor is responsible for all fine grading and preparation for planting. Finish grades (top of soil) for all sod areas after settlement shall be one-half inch below the top of abutting curbs, walks, walls and abutments. The finish grade of all plant beds prior to mulching shall be three inches below finish grade of sod, abutting curbs, walks and walls. Three inches of mulch shall be added after planting.

3.4 Setting Plants. Each plant shall be established in a manner consistent with plant details. All plants shall be set plumb and straight. Plants shall be established to a depth that is not greater than that at which they grew when in the nursery container or field. All backfill shall be tamped and worked firmly under and around the root ball to fill all voids.

3.5 Soil Preparation for Trees, Shrubs & Groundcover. All areas to be planted shall be prepared in a manner to insure normal, vigorous and healthy growth of plant material.

3.6 Staking. All trees are to be staked unless otherwise instructed by Owner or Owner's Representative. Refer to staking details on these plans.

3.7 Mulching. All plant beds and plant saucers shall be uniformly covered with a three-inch layer of mulch. Contain mulch within landscape borders.

3.8 Sod. All areas to be seeded, sprigged or sodded shall be prepared in a manner to insure normal, vigorous and healthy growth.

3.8.1 Fine grade lawn areas to smooth, even surface with loose, uniformly fine texture. Roll, rake and drag lawn areas, remove ridges and fill depressions with topsoil as required to meet finish grades. In areas to be sodded, allow for sod thickness.

3.8.2 Sod Installation. Lay sod in straight, parallel rows to form a solid mass with tightly fitted joints, without overlap. Stagger strips to offset joints. Work topsoil into minor crack. On slopes 3:1 slope or greater, lay sod with long dimension of pads parallel to contours and stake sod as necessary to stabilize.

PART 4 – MAINTENANCE

4.1 Plant Material. Maintain all plant materials until Final Acceptance. Maintenance shall include all required watering, cultivation, insect control, weeding, mowing, pruning, wound dressing, immediate replacement of dead material, straightening plants which lean or sag, adjustments of plants which are too low and any other procedure consistent with good horticulture practice necessary to insure normal, vigorous and healthy growth of all plant material.

4.2 Lawn. Maintain lawns until Final Acceptance. Reset settled or eroded sod areas to proper grade. Fill open joints with topsoil. Keep sod free of insects and disease.

PART 5 – FINAL INSPECTION AND ACCEPTANCE

5.1 Final Cleanup. Upon final completion of work and before inspection and acceptance, all aspects of the project site shall be thoroughly and completely cleaned of debris, stains, materials and temporary facilities. Any repairs which are the obligation of the Contractor, shall be completed.

5.2 Initial Inspection and Acceptance. Inspection shall be made by the Owner or Owner's Representative within 10 days of written notification from the Contractor that installation is complete. If all work and materials meet specifications, the project will be accepted as it. Materials and work not in compliance with specifications shall be rejected by Owner's Representative and replaced by the Contractor within 15 days of notification by Owner's Representative. Upon replacement of all rejected work and materials by the Contractor the Owner's Representative shall conduct a final inspection within 10 days of written notification from the Contractor that all rejected work has been replaced according to specifications. After final acceptance, the Contractor will not be responsible for damage to work resulting from: neglect by Owner, damage by others, abnormal weather conditions or other activities clearly beyond the Contractor's control.

5.3 As Built. Signed & sealed "as built" drawings are required. The drawings to be submitted by the project landscape architect and provided to the City prior to the final landscape and irrigation permit inspection.

PART 6 – GUARANTEE

6.1 Guarantee. All plant material and trees installed by the Contractor shall be guaranteed for 60 days from the date of final acceptance. The Contractor shall replace at no additional cost to the Owner, all plant materials which die and/or which are not healthy and in good growing condition during the guarantee period. Replacement of such material shall occur within 10 days from Owner's written notification to the Contractor. The 60-day guarantee period for replaced plant materials shall commence on the date of acceptance of the replaced item or items of plant material. The Contractor shall not be required to replace, repair or restore any portion of the work that is damaged, defaced, disturbed and/or destroyed by others after final acceptance.

PLANT LIST

TREES

SYM	BOTANICAL / COMMON NAME	MIN SIZE				SPACING	QTY
		HT	SPD	CONT	CALIPER		
BN	Betula nigra / River Birch	10'	5'	65 gal	2.5"		12
LI	Lagerstroemia indica "Tuscarora" / Tuscarora Crape Myrtle	8'-10'	4'	30 gal	1.5" multi-trunk		6
QV	Quercus virginiana / Live Oak (NATIVE)	10'	5'	65 gal	2.5"		16
SP	Sabal palmetto / Sabal Palm	10'-16' CT					6
TD	Taxodium distichum / Bald Cypress (NATIVE)	10'	5'	65 gal	2.5"		18

SHRUBS

SYM	BOTANICAL / COMMON NAME	MIN SIZE				SPACING	QTY
		HT	SPD	CONT	CALIPER		
PM	Podocarpus macrophyllus / Podocarpus	42"	30"	7 gal		36"	41
VS	Viburnum suspensum / Sandankwa Viburnum	42"	30"	7 gal		48"	160

GROUND COVER / GRASSES

SYM	BOTANICAL / COMMON NAME	MIN SIZE				SPACING	QTY
		HT	SPD	CONT	CALIPER		
LSB	Liripe muscari "Super Blue" / Super Blue Liriope	12"	10"	1 gal		24"	527
MC	Muhlenbergia capillaris / Pink Muhly Grass (NATIVE)	12"	10"	1 gal		48"	269

MISCELLANEOUS

SYM	BOTANICAL / COMMON NAME	MIN SIZE				SPACING	QTY
		HT	SPD	CONT	CALIPER		
	Shredded Hardwood Mulch - Brown			CY			TBD
	Pine Straw			bale			TBD
	Bahia Sod			fresh cut			TBD
	St. Augustine Captiva Sod			fresh cut			TBD

PERVIOUS LANDSCAPE AREA CALCULATION

Requirement - 15% of Developed (Impervious Area) to be pervious landscape

PERVIOUS AREAS	
FRONT BUFFER	16075
REAR BUFFER	0
SIDE (EAST) BUFFER	0
SIDE (WEST) BUFFER	2550
INTERIOR VUA ISLANDS	7764
INTERIOR LANDSCAPE AREAS	0

PROJECT SIZE	374116	
IMPERVIOUS AREA (PARKING & BUILDING)	109669	
TOTAL PERVIOUS LANDSCAPE AREAS & PERCENTAGE	26389	24%

PERIMETER BUFFER CALCULATION CHART

	FRONTAGE - LF (LESS ACCESSWAYS)	TREE RATIO	TREES REQUIRED	TREES PROVIDED	SHADE - 50% (NATIVE)
NORTH - N/A	0	1/25 LF	0		
SOUTH - 25'	643	1/25 LF	25.72	28 (4 EXISTING & 24 NEW)	28
EAST - N/A	0	1/50 LF	0		
WEST - 5'	510	1/50 LF	10.2	13 (9 EXISTING & 4 NEW)	13

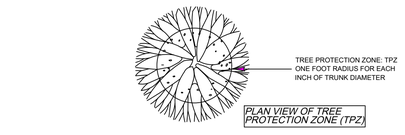
VUA TABLE

AREA NO.	SQUARE FEET	VUA ISLAND
1	303	1.2
2	923	3.7
3	871	3.5
4	305	1.2
5	172	0.0
6	300	1.2
7	181	0.0
8	256	1.0
9	726	2.9
10	225	0.0
11	418	1.7
12	225	0.0
13	225	0.0
14	320	1.3
15	320	1.3
16	274	1.1
17	304	1.2
18	176	0.0
19	316	1.3
20	326	1.3
21	312	1.2
22	286	1.1
TOTAL	7,764	26.2

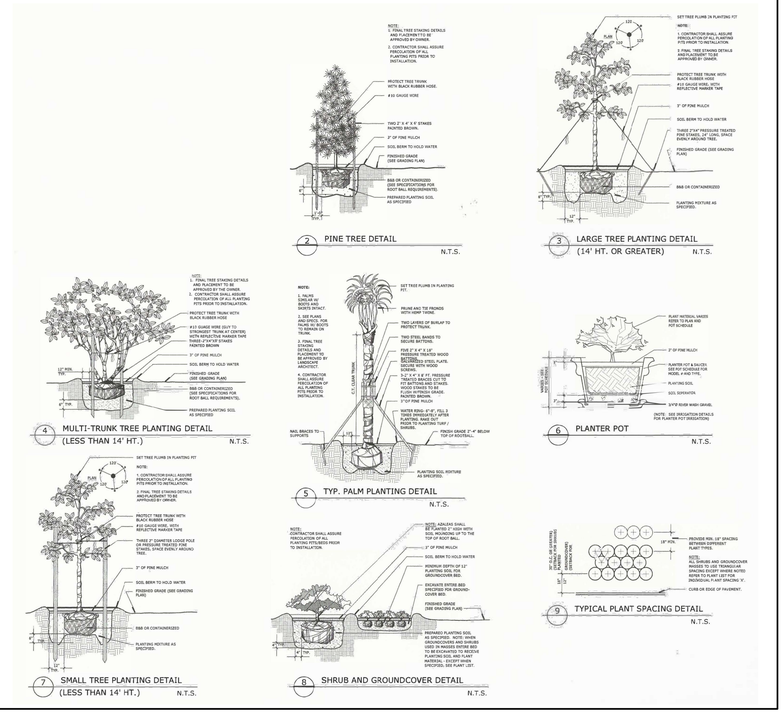
NEW VUA AREAS
ONE 250 SF PLANTING ISLAND PER 5,000 SF OF VUA

INDEX TREE CALCULATION

PRE-DEVELOPMENT INDEX TREES (INCHES) - 868"
868" x .20 (20%) = 173.60" REQUIRED PRESERVATION
INDEX INCHES PRESERVED - 514" (59.2%)



NOTES:
1. SEE PLANS FOR LOCATION OF TREE PROTECTION FENCES
2. ALL TREE PROTECTION FENCES MUST BE INSTALLED PRIOR TO CLEARING
3. NO GRADING SHALL OCCUR WITHIN THE TREE PROTECTION ZONE
4. REMOVE ALL BARRIERS UPON COMPLETION OF PROJECT
5. ANY VEGETATION REMOVED WITHIN THE TPZ SHALL ONLY BE DONE BY HAND



For County Use

Date: 7-26-2024
Scale: N/A
Drawn: MB
Checked By: MB
Revisions:

Michael Beebe
Florida LA# 0000927

BEEBE & ASSOCIATES, INC.
Golf Course Design, Renovation, Landscape Architecture & Consulting
250 Palm Coast Parkway NE, Suite #407, PMB 128, Palm Coast, Florida 32137-8225
Phone: (386) 931-1202 Fax: (386) 446-8306 Email: michael@beebeassociates.com

LANDSCAPE DETAILS

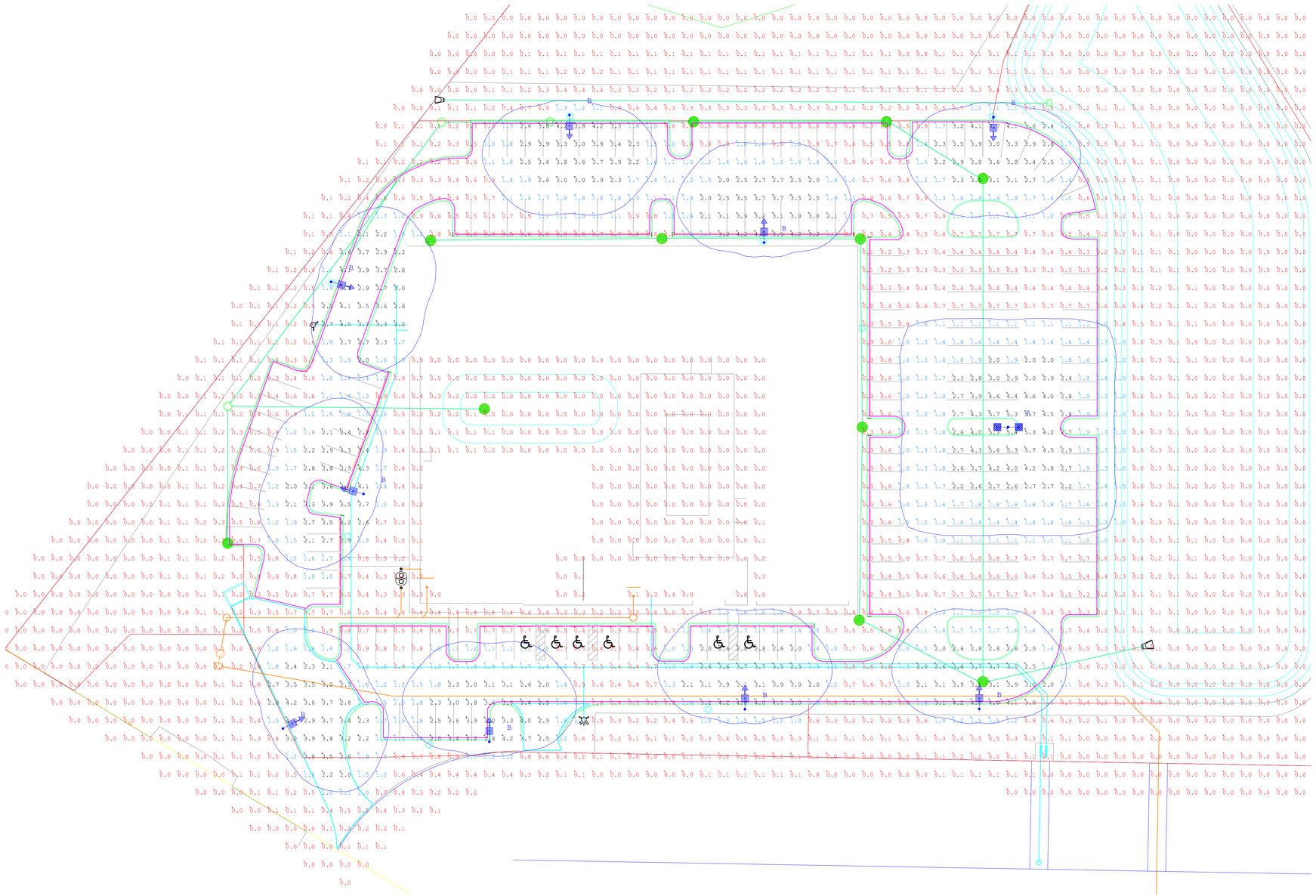
THE HENRY HOTEL
REDEVELOPMENT PROJECT

FLAGLER COUNTY, FLORIDA

BEEBE & ASSOCIATES, INC.

LS3
Sheet 3

REVISIONS		
Rev #	Date	BY:



Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine applicability of the layout to existing or future field conditions.

This lighting pattern represents illumination levels calculated from laboratory data taken under controlled conditions utilizing current industry standard lamp ratings in accordance with Illuminating Engineering Society approved methods. Actual performance of any manufacturer's luminaire may vary due to variation in electrical voltage, tolerance in lamps and other variable field conditions.

Calculation Summary								
Label	Units	Avg	Max	Min	Avg/Min	Max/Min	PtSpcLr	PtSpcTb
ENTRANCE DRIVES	Fc	2.12	4.2	0.1	21.20	42.00	10	10
PARKING	Fc	1.68	5.7	0.2	8.40	28.50		

Luminaire Schedule

WLS17661 HENRY HOTEL FLAGLER COUNTY, FL PM: HOLLY PLEASE EMAIL US FOR PRICING AT HOLLY@WLSLIGHTING.COM

Symbol	Qty	Label	Lum. Lumens	LLF	Description	Lum. Watts
	1	A	20909	0.950	WLS-MIRS-LED-21L-SIL-5W-40-70CRI-SLW 25' MOUNTING HEIGHT	165
	9	B	17425	0.950	WLS-MIRS-LED-21L-SIL-4-40-70CRI-IN-SLW 25' MOUNTING HEIGHT	165

6820 CORPORATION PKWY
FORT WORTH, TX 76126
WWW.WLSLIGHTING.COM

WLS LIGHTING
BRIGHT. SMART. SUSTAINABLE.

817-731-0020

PM:HOLLY

BY: J.P.

SHEET 1 OF 1

HENRY HOTEL
FLAGLER COUNTY, FL

WLS-17661

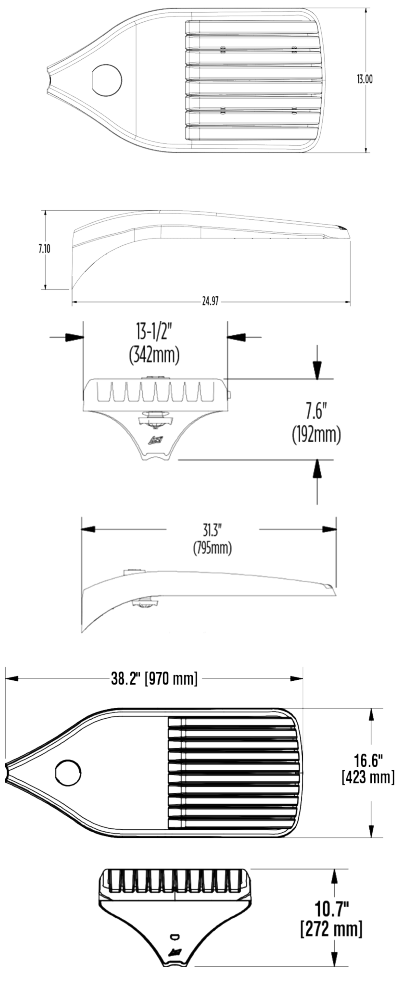
DATE -7/19/24

SCALE: 1"=30'

Type:

WLS MI SERIES LED AREA LIGHT

DIMENSIONS



Made in the U.S.A. of the U.S. and imported parts.
Meets Buy American requirements for ARRA.

WLS LIGHTING SYSTEMS
6820 Corporation Pkwy
Fort Worth, TX 76126
817.731.0020
www.wlslighting.com

SPECIFICATIONS

CONSTRUCTION

- Rugged die-cast aluminum housing contains factory prewired driver and optical unit. Cast aluminum wiring access door located underneath.
- Fixtures are finished with DuraGrip® polyester powder coat finishing process. The DuraGrip® finish withstands extreme weather changes without cracking or peeling. Other standard finishes available. Consult factory.
- Shipping weight: 27, 37, 68 lbs in carton.
- Designed to mount to square or round poles.

ELECTRICAL

- High-performance driver features overvoltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (10% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (347-480 VAC).
- L70 Calculated Life: >60k Hours
- L80 Calculated Life: >100k Hours
- L90 Calculated Life: >100k Hours
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 30L lumen packages rated to +40°C.
- Power factor: >.90
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- High-efficacy LEDs mounted to metal-core circuit board to maximize heat dissipation
- Driver/Components are fully encased in potting material for moisture resistance and complies with FCC standards. Driver and key electronic components can easily be accessed.

OPTIONS

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- Designed to mount to square or round poles.
- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes traditional 3" drill pattern B3 for easy fastening of LSI products.

CONTROL OPTIONS

- IH - Integral Half Louver (Moderate Spill Light Cutoff)
- IL - Integral Louver (Sharp Spill Light Cutoff)
- EXT - 0-10v Dimming leads extended to housing exterior
- CR7P - 7 Pin Control Receptacle ANSI C136.41
- IMSBTL1- Integral Bluetooth™ Motion and Photocell Sensor (8-24' MH)
- IMSBTL2- Integral Bluetooth™ Motion and Photocell Sensor (25-40' MH)

LISTINGS

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- IDA compliant; with 3000K color temperature selection.
- Title 24 Compliant; see local ordinance for qualification information.
- Suitable for wet locations.
- IP66 rated Luminaire per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications are qualified.
- IK08 rated luminiare per IEC 66262 mechanical impact code
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

- WLS MI Series luminaires carry a 5-year limited warranty.

Project Name: _____

Date: _____

Location: _____

Notes: _____

1 REV. 12/23

WLS MI SERIES LED AREA LIGHT

ORDERING INFORMATION SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE.

Refer to example below.

PRODUCT	OPTIC[1]	LUMEN PACKAGE	COLOR TEMPERATURE	VOLTAGE	COLOR OPTIONS	OPTIONS
WLS-MIS	**T2** - Type 2 **T3**- Type 3 **T4**- Type 4 **5W** - Type 5 Wide **FT** - Forward Throw **LC** - Left Corner **RC** - Right Corner	**6L** - 6,000 Lumens **9L** - 9,000 Lumens **12L** - 12,000 Lumens **15L** - 15,000 Lumens **18L** - 18,000 Lumens **21L** - 21,000 Lumens **24L** - 24,000 Lumens **30L** - 30,000 Lumens	**30K7** - 3000K / 70 CRI **40K7** - 4000K / 70 CRI **50K7** - 5000K / 70 CRI	**UNV** 120 - 277 **HV** 347 - 480	**BLK** Black **BRZ** Dark Bronze **GMG** Gun Metal Gray **GPT** Graphite **MSV** Metallic Silver **PLP** Platinum Plus **SVG** Satin Verde Green **WHT** White **CS** Custom	**EXT** - 0-10v Dimming leads extended to housing exterior **CR7P** - 7 Pin Control Receptacle ANSI C136.41[2] **IH** - Integral Half Louver (Moderate Spill Light Cutoff) [4] **IL** - Integral Louver (Sharp Spill Light Cutoff) [4] **NO** No Options
WLS-MIM	**T2** - Type 2 **T3**- Type 3 **T4**- Type 4 **5W** - Type 5 Wide **FT** - Forward Throw **FTA** - Forward Throw Automotive **AM** - Automotive Merchandise **LC** - Left Corner **RC** - Right Corner	**9L** - 9,000 Lumens **12L** - 12,000 Lumens **18L** - 18,000 Lumens **24L** - 24,000 Lumens **30L** - 30,000 Lumens **36L** - 36,000 Lumens **42L** - 42,000 Lumens **48L** - 48,000 Lumens **55L** - 55,000 Lumens	**30K7** - 3000K / 70 CRI **40K7** - 4000K / 70 CRI **50K7** - 5000K / 70 CRI **AMB** - Phosphor Converted Amber[3]			**EXT** - 0-10v Dimming leads extended to housing exterior **CR7P** - 7 Pin Control Receptacle ANSI C136.41[2] **IH** - Integral Half Louver (Moderate Spill Light Cutoff) [4] **IL** - Integral Louver (Sharp Spill Light Cutoff) [4] **NO** No Options
WLS-MIL	**T2** - Type 2 **T3**- Type 3 **5W** - Type 5 Wide **FT** - Forward Throw **FTA** - Forward Throw Automotive **AM** - Automotive Merchandise	**40L** - 40,000 Lumens **50L** - 50,000 Lumens **65L** - 65,000 Lumens **78L** - 78,000 Lumens	**30K7** - 3000K / 70 CRI **40K7** - 4000K / 70 CRI **50K7** - 5000K / 70 CRI **AMB** - Phosphor Converted Amber[3]			**EXT** - 0-10v Dimming leads extended to housing exterior **CR7P** - 7 Pin Control Receptacle ANSI C136.41[2] **IH** - Integral Half Louver (Moderate Spill Light Cutoff) [4] **IL** - Integral Louver (Sharp Spill Light Cutoff) [4] **NO** No Options
ORDER:						
WLS-						

Example: WLS-MIM-5W-55L-30K7-HV-MSV-CR7P

FOOTNOTES

1. Consult Factory for Site Layout
2. Control device or shorting cap must be ordered separately. See Accessory Ordering Information.
3. Only available in 9L, 12L, 18L, 24L and 40L Lumen Packages. Consult factory for lead time and availability.
4. Not available with 5W distribution

WLS LIGHTING SYSTEMS

6820 Corporation Pkwy
Fort Worth, TX 76126
817.731.0020

www.wlslighting.com

Project Name: _____

Date: _____

Location: _____

Notes: _____

1 REV. 12/23

WLS MI SERIES LED AREA LIGHT

EPA DATA - MIS							
TILT DEGREE	0	30	45	TILT DEGREE	0	30	45
SINGLE	0.5	1.3	1.8	T90	1.4	2.3	2.6
D180	0.9	1.3	1.8	TN120	1.4	1.9	2.3
D90	0.9	1.8	2.2	Q90	1.4	2.3	2.6

EPA DATA - MIM							
TILT DEGREE	0	30	45	TILT DEGREE	0	30	45
SINGLE	0.5	1.5	1.9	T90	1.0	2.5	2.8
D180	1.0	1.5	1.9	TN120	1.0	3.3	3.9
D90	0.8	1.9	2.3	Q90	1.0	2.5	2.8

EPA DATA - MIL							
TILT DEGREE	0	30	45	TILT DEGREE	0	30	45
SINGLE	0.8	2.2	2.9	T90	2.0	3.8	4.5
D180	1.6	2.2	2.9	TN120	2.0	5.0	6.0
D90	1.2	3.0	3.7	Q90	2.0	3.8	4.5

WLS LIGHTING SYSTEMS

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Fort Worth, TX 76126
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Project Name: _____

Date: _____

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Notes: _____

1 REV. 12/23

WLS MI SERIES LED AREA LIGHT

Type II Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11
6L-S	39	5918	B2-U0-G1	6136	B2-U0-G1	6122	B2-U0-G1
9L-S	63	9091	B2-U0-G2	9484	B2-U0-G2	9462	B2-U0-G2
12L-S	86	12132	B3-U0-G2	12685	B3-U0-G2	12514	B3-U0-G2
15L-S	111	14220	B3-U0-G2	15167	B3-U0-G2	14488	B3-U0-G2
18L-S	135	16438	B3-U0-G2	17532	B3-U0-G3	16747	B3-U0-G2
21L-S	165	19488	B3-U0-G3	20786	B3-U0-G3	19885	B3-U0-G3
24L-S	196	21976	B3-U0-G3	23439	B3-U0-G3	22390	B3-U0-G3
30L-S	209	30078	B4-U0-G3	29485	B4-U0-G3	30697	B4-U0-G3
9L-M	62	9853	B2-U0-G2	9853	B2-U0-G2	9853	B2-U0-G2
12L-M	85	13135	B3-U0-G2	13135	B3-U0-G2	13135	B3-U0-G2
18L-M	135	19318	B3-U0-G3	19318	B3-U0-G3	19318	B3-U0-G3
24L-M	161	23361	B4-U0-G3	24506	B4-U0-G3	24414	B4-U0-G3
30L-M	213	29464	B4-U0-G3	30908	B4-U0-G3	30791	B4-U0-G3
36L-M	255	34123	B4-U0-G3	35795	B4-U0-G3	35660	B4-U0-G3
42L-M	314	39966	B5-U0-G4	41925	B5-U0-G4	41767	B5-U0-G4
48L-M	367	44390	B5-U0-G4	46565	B5-U0-G4	46389	B5-U0-G4
55L-M	436	49583	B5-U0-G4	52012	B5-U0-G4	51816	B5-U0-G4
40L-L	286	39770	B5-U0-G4	41255	B5-U0-G4	42864	B5-U0-G4
50L-L	375	49372	B5-U0-G4	51216	B5-U0-G4	53213	B5-U0-G4
65L-L	518	63328	B5-U0-G4	65692	B5-U0-G5	68255	B5-U0-G5
78L-L	648	74667	B5-U0-G5	77456	B5-U0-G5	80476	B5-U0-G5

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Type III Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11
6L-S	39	6016	B1-U0-G2	6238	B1-U0-G2	6224	B1-U0-G2
9L-S	63	9241	B2-U0-G2	9641	B2-U0-G2	9619	B2-U0-G2
12L-S	86	12333	B2-U0-G2	12894	B2-U0-G2	12721	B2-U0-G2
15L-S	111	14938	B2-U0-G2	15933	B2-U0-G2	15219	B2-U0-G2
18L-S	135	17267	B3-U0-G3	18417	B3-U0-G3	17592	B3-U0-G3
21L-S	165	20472	B3-U0-G3	21835	B3-U0-G3	20857	B3-U0-G3
24L-S	196	23085	B3-U0-G3	24622	B3-U0-G3	23519	B3-U0-G3
30L-S	209	31711	B3-U0-G3	31086	B3-U0-G3	32364	B3-U0-G3
9L-M	62	9926	B2-U0-G2	9926	B2-U0-G2	9926	B2-U0-G2
12L-M	85	13232	B2-U0-G2	13232	B2-U0-G2	13232	B2-U0-G2
18L-M	135	19461	B3-U0-G3	19461	B3-U0-G3	19461	B3-U0-G3
24L-M	161	23998	B3-U0-G3	25174	B3-U0-G3	25079	B3-U0-G3
30L-M	213	30268	B3-U0-G4	31751	B3-U0-G4	31631	B3-U0-G4
36L-M	255	35053	B4-U0-G4	36771	B4-U0-G4	36632	B4-U0-G4
42L-M	314	41056	B4-U0-G5	43068	B4-U0-G5	42905	B4-U0-G5
48L-M	367	45325	B4-U0-G5	47547	B4-U0-G5	47367	B4-U0-G5
55L-M	436	50934	B4-U0-G5	53430	B4-U0-G5	53229	B4-U0-G5
40L-L	286	40747	B5-U0-G4	42269	B4-U0-G4	43917	B4-U0-G4
50L-L	375	50586	B4-U0-G5	52475	B4-U0-G5	54521	B4-U0-G5
65L-L	518	64884	B5-U0-G5	67307	B5-U0-G5	69932	B5-U0-G5
78L-L	648	74667	B5-U0-G5	77455	B5-U0-G5	80476	B5-U0-G5

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Type IV Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11
6L-S	39	5967	B1-U0-G2	6333	B1-U0-G3	6136	B1-U0-G2
9L-S	63	9214	B2-U0-G3	9778	B2-U0-G3	9474	B2-U0-G3
12L-S	86	12277	B2-U0-G3	13029	B2-U0-G3	12623	B2-U0-G3
15L-S	111	14792	B2-U0-G4	15698	B2-U0-G4	15209	B2-U0-G4
18L-S	135	17101	B3-U0-G4	18149	B3-U0-G4	17584	B3-U0-G4
21L-S	165	20279	B3-U0-G4	21521	B3-U0-G5	20851	B3-U0-G5
24L-S	196	23190	B3-U0-G5	24758	B3-U0-G5	23888	B3-U0-G5
30L-S	209	30459	B4-U0-G5	29859	B4-U0-G5	31085	B4-U0-G5
9L-M	62	9178	B2-U0-G3	9713	B2-U0-G3	9498	B2-U0-G3
12L-M	85	12223	B2-U0-G3	12935	B2-U0-G4	12648	B2-U0-G4
18L-M	135	18013	B2-U0-G4	19063	B3-U0-G5	18640	B3-U0-G5
24L-M	161	24397	B3-U0-G5	25600	B3-U0-G5	25457	B3-U0-G5
30L-M	213	30361	B3-U0-G5	32141	B3-U0-G5	31961	B3-U0-G5
36L-M	255	35402	B3-U0-G5	37148	B4-U0-G5	36940	B4-U0-G5
42L-M	314	41453	B4-U0-G5	43497	B4-U0-G5	42529	B4-U0-G5
48L-M	367	46006	B4-U0-G5	48275	B4-U0-G5	48005	B4-U0-G5
55L-M	436	51635	B4-U0-G5	54181	B4-U0-G5	53878	B4-U0-G5

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Type V Wide Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11
6L-S	39	5690	B3-U0-G1	5899	B3-U0-G1	5886	B3-U0-G1
9L-S	63	8740	B3-U0-G2	9118	B3-U0-G2	9097	B3-U0-G2
12L-S	86	11664	B4-U0-G2	12195	B4-U0-G2	12031	B4-U0-G2
15L-S	111	14304	B4-U0-G2	15257	B4-U0-G2	14574	B4-U0-G2
18L-S	135	16535	B4-U0-G2	17636	B5-U0-G2	16846	B4-U0-G2
21L-S	165	19604	B5-U0-G3	20909	B5-U0-G3	19973	B5-U0-G3
24L-S	196	22105	B5-U0-G3	23578	B5-U0-G3	22522	B5-U0-G3
30L-S	209	30588	B5-U0-G3	29985	B5-U0-G3	31218	B5-U0-G3
9L-M	62	9504	B3-U0-G2	9504	B3-U0-G2	9504	B3-U0-G2
12L-M	85	12669	B4-U0-G2	12669	B4-U0-G2	12669	B4-U0-G2
18L-M	135	18633	B4-U0-G2	18633	B4-U0-G2	18633	B4-U0-G2
24L-M	161	23788	B5-U0-G3	24953	B5-U0-G3	24859	B5-U0-G3
30L-M	213	30002	B5-U0-G3	31472	B5-U0-G3	31353	B5-U0-G3
36L-M	255	34745	B5-U0-G4	36448	B5-U0-G4	36311	B5-U0-G4
42L-M	314	40696	B5-U0-G4	42690	B5-U0-G4	42529	B5-U0-G4
48L-M	367	45002	B5-U0-G4	47435	B5-U0-G4	47302	B5-U0-G4
55L-M	436	50487	B5-U0-G4	52961	B5-U0-G4	52761	B5-U0-G4
40L-L	286	40392	B5-U0-G4	41901	B5-U0-G4	43535	B5-U0-G4
50L-L	375	50145	B5-U0-G4	52018	B5-U0-G4	54047	B5-U0-G4
65L-L	518	64320	B5-U0-G5	66722	B5-U0-G5	69324	B5-U0-G5
78L-L	648	74018	B5-U0-G5	76782	B5-U0-G5	79777	B5-U0-G5

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Type FT Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11
6L-S	39	5822	B1-U0-G1	6037	B1-U0-G1	6023	B1-U0-G1
9L-S	63	8943	B2-U0-G2	9330	B2-U0-G2	9308	B2-U0-G2
12L-S	86	11935	B2-U0-G2	12479	B2-U0-G2	12311	B2-U0-G2
15L-S	111	14342	B2-U0-G2	15297	B2-U0-G2	14612	B2-U0-G2
18L-S	135	16578	B3-U0-G2	17682	B3-U0-G2	16890	B3-U0-G2
21L-S	165	19655	B3-U0-G3	20964	B3-U0-G3	20025	B3-U0-G3
24L-S	196	22164	B3-U0-G3	23640	B3-U0-G3	22581	B3-U0-G3
30L-S	209	31585	B3-U0-G4	30962	B3-U0-G4	32235	B4-U0-G4
9L-M	62	9856	B2-U0-G3	9856	B2-U0-G3	9856	B2-U0-G3
12L-M	85	13138	B2-U0-G3	13138	B2-U0-G3	13138	B2-U0-G3
18L-M	135	19324	B3-U0-G3	19324	B3-U0-G3	19324	B3-U0-G3
24L-M	161	24059	B3-U0-G3	25238	B3-U0-G3	25143	B3-U0-G3
30L-M	213	30345	B4-U0-G4	30832	B4-U0-G4	31712	B4-U0-G4
36L-M	255	35142	B4-U0-G4	36864	B4-U0-G4	36725	B4-U0-G4
42L-M	314	41161	B4-U0-G4	43178	B4-U0-G4	43015	B4-U0-G4
48L-M	367	44799	B4-U0-G5	46994	B4-U0-G5	46817	B4-U0-G5
55L-M	436	51064	B4-U0-G5	52566	B4-U0-G5	53364	B4-U0-G5
40L-L	286	40342	B4-U0-G4	41848	B4-U0-G5	43480	B4-U0-G5
50L-L	375	50082	B4-U0-G5	51952	B4-U0-G5	53978	B4-U0-G5
65L-L	518	64239	B5-U0-G5	66638	B5-U0-G5	69237	B5-U0-G5
78L-L	648	73925	B5-U0-G5	76685	B5-U0-G5	79676	B5-U0-G5

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Type FTA Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11	Initial Delivered Lumens	Bug Ratings Per TM-15-11
9L-M	62	9900	B2-U0-G2	9900	B2-U0-G2	9900	B2-U0-G2
12L-M	85	13196	B2-U0-G2	13196	B2-U0-G2	13196	B2-U0-G2
18L-M	135	19408	B3-U0-G3	19408	B3-U0-G3	19408	B3-U0-G3
24L-M	161	23079	B3-U0-G3	24210	B4-U0-G3	24119	B4-U0-G3
30L-M	213	29109	B4-U0-G4	30535	B4-U0-G4	20420	B4-U0-G4
36L-M	255	33711	B4-U0-G4	35363	B4-U0-G4	35230	B4-U0-G4
42L-M	314	39484	B4-U0-G4	41419	B5-U0-G4	41263	B5-U0-G4
48L-M	367	44590	B5-U0-G4	46775	B5-U0-G4	46599	B5-U0-G4
55L-M	436	48984	B5-U0-G4	51384	B5-U0-G4	51191	B5-U0-G4
40L-L	286	40673	B4-U0-G4	42192	B4-U0-G4	43838	B4-U0-G4
50L-L	375	50493	B5-U0-G4	52379	B5-U0-G4	54422	B5-U0-G4
65L-L	518	64766	B5-U0-G5	67185	B5-U0-G5	69805	B5-U0-G5
78L-L	648	74532	B5-U0-G5	77315	B5-U0-G5	80330	B5-U0-G5

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Type AM Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11	Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11	Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11
9L-M	62	10019	B2-U0-G1	10019	B2-U0-G1	10019	B2-U0-G1
12L-M	85	13355	B2-U0-G2	13355	B2-U0-G2	13355	B2-U0-G2
18L-M	135	19641	B3-U0-G2	19641	B3-U0-G2	19641	B3-U0-G2
24L-M	161	24051	B3-U0-G2	25229	B3-U0-G2	25134	B3-U0-G2
30L-M	213	30334	B4-U0-G3	31820	B4-U0-G3	31700	B4-U0-G3
36L-M	255	35130	B4-U0-G3	36851	B4-U0-G3	36712	B4-U0-G3
42L-M	314	41146	B4-U0-G3	43162	B4-U0-G3	43000	B4-U0-G3
48L-M	367	46310	B4-U0-G3	48579	B4-U0-G3	48396	B4-U0-G3
55L-M	436	51045	B4-U0-G3	53546	B4-U0-G3	53344	B4-U0-G3
40L-L	286	40823	B4-U0-G3	42347	B4-U0-G3	43998	B4-U0-G3
50L-L	375	50680	B4-U0-G3	52572	B4-U0-G3	54622	B4-U0-G3
65L-L	518	65005	B4-U0-G3	67432	B5-U0-G3	70062	B5-U0-G3
78L-L	648	74805	B5-U0-G3	77599	B5-U0-G3	80625	B5-U0-G3

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Type LC Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11	Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11	Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11
6L-S	39	6003	B1-U0-G2	6371	B1-U0-G2	6173	B1-U0-G2
9L-S	63	9269	B2-U0-G3	9837	B2-U0-G3	9531	B2-U0-G3
12L-S	86	12351	B2-U0-G3	13108	B2-U0-G3	12700	B2-U0-G3
15L-S	111	14881	B2-U0-G3	15793	B2-U0-G3	15301	B2-U0-G3
18L-S	135	17204	B3-U0-G3	18258	B3-U0-G3	17689	B3-U0-G3
21L-S	165	20401	B3-U0-G4	21651	B3-U0-G4	20977	B3-U0-G4
24L-S	196	23330	B3-U0-G4	24907	B3-U0-G4	24032	B3-U0-G4
30L-S	209	32303	B3-U0-G5	31666	B3-U0-G5	32968	B3-U0-G5
9L-M	62	9008	B2-U0-G3	9533	B2-U0-G3	9321	B2-U0-G3
12L-M	85	11996	B2-U0-G3	12695	B2-U0-G3	12414	B2-U0-G3
18L-M	135	17679	B2-U0-G3	18710	B2-U0-G3	18295	B2-U0-G3
24L-M	161	25884	B3-U0-G4	25884	B3-U0-G4	25310	B3-U0-G4
30L-M	213	32498	B3-U0-G5	32498	B3-U0-G5	31777	B3-U0-G5
36L-M	255	37561	B3-U0-G5	37561	B3-U0-G5	36727	B3-U0-G5
42L-M	314	43980	B3-U0-G5	43980	B3-U0-G5	43004	B3-U0-G5
48L-M	367	48811	B4-U0-G5	48811	B4-U0-G5	47728	B4-U0-G5
55L-M	436	54113	B4-U0-G5	54113	B4-U0-G5	52912	B4-U0-G5

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Type RC Medium Distribution							
Fixture Type	System Watts	3000K (70 CRI)		4000K (70 CRI)		5000K (70 CRI)	
		Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11	Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11	Initial Delivered Lumens*	Bug Ratings ** Per TM-15-11
6L-S	39	5964	B1-U0-G2	6329	B1-U0-G2	6132	B1-U0-G2
9L-S	63	9208	B2-U0-G2	9772	B2-U0-G3	9468	B2-U0-G3
12L-S	86	12271	B2-U0-G3	13022	B2-U0-G3	12617	B2-U0-G3
15L-S	111	14784	B2-U0-G3	15689	B2-U0-G3	15201	B2-U0-G3
18L-S	135	17091	B2-U0-G3	18138	B2-U0-G3	17574	B2-U0-G3
21L-S	165	20268	B3-U0-G4	21509	B3-U0-G4	20840	B3-U0-G3
24L-S	196	23117	B3-U0-G4	24744	B3-U0-G4	23874	B3-U0-G4
30L-S	209	31943	B3-U0-G4	31313	B3-U0-G4	32600	B3-U0-G5
9L-M	62	9008	B2-U0-G3	9533	B2-U0-G3	9321	B2-U0-G3
12L-M	85	11996	B2-U0-G3	12695	B2-U0-G3	12414	B2-U0-G3
18L-M	135	17679	B2-U0-G3	18710	B2-U0-G3	18295	B2-U0-G3
24L-M	161	25884	B3-U0-G4	25884	B3-U0-G4	25310	B3-U0-G4
30L-M	213	32498	B3-U0-G5	32498	B3-U0-G5	31777	B3-U0-G5
36L-M	255	37561	B3-U0-G5	37561	B3-U0-G5	36727	B3-U0-G5
42L-M	314	43980	B3-U0-G5	43980	B3-U0-G5	43004	B3-U0-G5
48L-M	367	48811	B4-U0-G5	48811	B4-U0-G5	47728	B4-U0-G5
55L-M	436	54113	B4-U0-G5	54113	B4-U0-G5	52912	B4-U0-G5

WLS LIGHTING SYSTEMS

6820 Corporation Pkwy
Fort Worth, TX 76126
817.731.0020

www.wlslighting.com

Project Name: _____

Date: _____

Location: _____

Notes: _____

1 REV. 12/23