

TITLE BLOCK VERSION: 20210829
 MODEL: P:\PROJECTS\210217-1590 IIRI OR EXPANSION\CADD FILES\DRAWINGS\210217-1590-C-1000
 PRINT DATE: 05/20/24 10:53:56 AM TEMPLATE VERSION: 21.03.2020081

ABBREVIATION LEGEND

ARV	AIR RELEASE VALVE
BE	BURIED ELECTRIC
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BM	BENCHMARK
BOP	BOTTOM OF PIPE
BSP	BACTERIOLOGICAL SAMPLING POINT
CAP	CORRUGATED ALUMINUM PIPE
CB	CATCH BASIN
CI	CURB INLET
CIP	CAST IRON PIPE
CLF	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONC	CONCRETE
DE	DRAINAGE EASEMENT
DIP	DUCTILE IRON PIPE
E	EAST
EL	ELEVATION
EW	EDGE OF WATER
EXIST	EXISTING
EXFLT	EXFILTRATION
FF EL	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FM	FORCE MAIN
GALV	GALVANIZED
GV	GATE VALVE
HORZ	HORIZONTAL
H.P.	HIGH POINT
INV	INVERT
JB	JUNCTION BOX
LF	LINEAR FEET
MAX	MAXIMUM
M.E.G.	MATCH EXISTING GRADE
MH	MANHOLE
MIN	MINIMUM
MJ	MECHANICAL JOINT
N	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NIC	NOT INCLUDED
NTS	NOT TO SCALE
NGVD	NATIONAL GEODETIC VERTICAL DATUM
OE	OVERHEAD ELECTRIC
PCAP	PERFORATED CORRUGATED ALUMINUM PIPE
PRB	POLLUTION RETARDANT BAFFLE
PROP	PROPOSED
PSI	POUNDS PER SQUARE INCH
PV	PLUG VALVE
PVC	POLYVINYL CHLORIDE
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RCW	RECLAIMED WATER
RED	REDUCER
R/W	RIGHT-OF-WAY
S	SOUTH
SAN	SANITARY
SB	SOIL BORING
STA	STATION
TOB	TOP OF BANK
TOP	TOP OF PIPE
TYP	TYPICAL
UE	UTILITY EASEMENT
VERT	VERTICAL
W	WEST
WM	WATER MAIN

LINE TYPE LEGEND

	LOT LINE
	SECTION LINE
	R/W LINE
	PROPERTY LINE
	CENTERLINE
	NVAL
	EXIST. CHAIN LINK FENCE
	GUARDRAIL
	PROPOSED CHAIN LINK FENCE
	EXISTING WOOD FENCE
	EXISTING PICKET FENCE
	EXISTING SANITARY SEWER (8")
	EXISTING WATER MAIN (8")
	EXISTING STORM SEWER
	EXISTING FORCE MAIN (6")
	EXISTING ABANDONED FORCE MAIN (6")
	EXISTING FIRE MAIN (4")
	EXISTING IRRIGATION
	EXISTING MEDICAL GAS
	EXISTING OXYGEN
	EXISTING UNDERGROUND POWER
	EXISTING NATURAL GAS
	EXISTING CONDENSATION
	EXISTING BURIED FIBER OPTIC
	EXISTING UNDERGROUND COMCAST
	EXISTING CHILLER
	EXISTING AT&T UNDERGROUND
	EXISTING FUEL LINE
	EXISTING OVERHEAD ELECTRIC
	EXISTING UNDERGROUND ELECTRIC
	EXISTING UNKNOWN UTILITY
	DEMOLISH IRRIGATION PIPE
	DEMOLISH UNDERGROUND ELECTRIC
	DEMOLISH WATER
	EXISTING UTILITY TO BE GROUTED AND ABANDONED IN PLACE
	EXISTING UTILITY TO BE REMOVED
	EXISTING UTILITY TO BE REMOVED (REFER TO ARCHITECTURAL PLANS FOR DETAILS)

HATCHING LEGEND

	EXISTING DECOMMISSIONED BURIED MASTER LIFT STATION TO BE REMOVED
	EXISTING BUILDING TO REMAIN
	EXISTING BUILDING TO BE DEMOLISHED
	EXISTING PEDESTRIAN BRIDGE CANOPY WITH SIDEWALK TO BE REMOVED
	EXISTING ASPHALT PAVEMENT TO BE REMOVED
	EXISTING ASPHALT PAVEMENT TO BE REMOVED 30" MIN. DEPTH BELOW SURFACE
	EXISTING CONCRETE TO BE REMOVED
	EXISTING PAVERS TO BE REMOVED
	EXISTING STRIPING/MARKINGS TO BE REMOVED
	EXISTING LANDSCAPING TO BE REMOVED
	PROPOSED BUILDING
	DETECTABLE WARNING SURFACES
	PROPOSED MILLING AND RESURFACING
	PROPOSED FULL DEPTH RECONSTRUCTION
	PROPOSED CONCRETE SIDEWALK

PROPOSED SYMBOL LEGEND

	AIR RELEASE VALVE
	BACTERIOLOGICAL SAMPLE POINT
	WATER METER
	FIRE HYDRANT
	FIRE DEPARTMENT CONNECTION
	SINGLE WATER SERVICE
	DOUBLE WATER SERVICE
	BACKFLOW PREVENTER
	DOUBLE DETECTOR CHECK VALVE
	BLOWOFF
	REDUCER
	GATE VALVE
	90°, 45°, 22.5° & 11.25° BENDS
	TEE
	CROSS
	PLUG
	BLOWOFF
	VERTICAL BENDS
	SEWER MANHOLE
	SANITARY FLOW DIRECTION
	SINGLE SANITARY LATERAL
	DOUBLE SANITARY LATERAL
	CONFLICT ID
	SUE POT HOLE ID
	DRAINAGE FLOW
	SPOT GRADE
	SIGN
	CATCH BASIN
	STORM MANHOLE
	CLEANOUT
	SLOTTED DRAIN
	STORM YARD DRAIN
	P5 STORM INLET
	P6 STORM INLET
	EXFILTRATION TRENCH
	HEADWALL
	MITERED END - RCP
	MITERED END - HDPE
	HAY BALES
	ROCK BAGS W/ HAY BALES

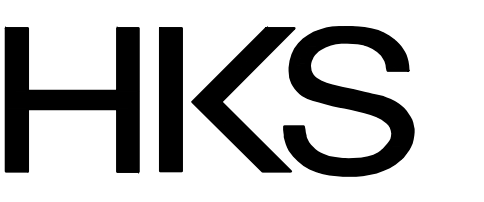
EXISTING SYMBOL LEGEND

	EXISTING SPOT ELEVATION (FT)
	GUY ANCHOR
	FPL MANHOLE
	CONC. LIGHT POLE
	CONC. UTILITY POLE
	CONC. SIGNAL POLE
	COMMUNICATION MH
	COMMUNICATION RISER
	CABLE TV MANHOLE
	CABLE TV RISER
	ELEC. HANDHOLE
	FPL TRANSFORMER
	ELECTRICAL METER
	GAS METER
	LIGHT POLE
	TRAFFIC CONTROL BOX
	WOOD POWER POLE
	GAS VALVE
	SEWER VALVE
	WATER VALVE
	GATE VALVE
	CLEANOUT
	FIRE HYDRANT
	REDUCER
	IRRIGATION VALVE
	SEWER MANHOLE
	STORM MANHOLE
	FIRE DEPARTMENT
	CATCH BASIN
	CURB INLET
	GROUND/LANDSCAPING LIGHTING
	SIGN
	SIGN TO BE REMOVED
	WATER METER
	EXFILTRATION TRENCH
	TREE TO BE REMOVED

PROJECT NOTES

- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, AND MAINTAINING ALL UTILITY BYPASS SYSTEMS FOR THE DURATION OF THE TEMPORARY SERVICES AND CONSTRUCTION ACTIVITIES. BYPASS SYSTEMS SHALL BE APPROVED BY OWNER AND HAVE ONE PRIMARY ELECTRIC PUMP AND ONE BACKUP DIESEL PUMP. PUMPS SHALL BE "HOSPITAL GRADE" AND SHALL NOT EXCEED 55dB(A) AT THE RIGHT-OF-WAY BOUNDARY.
- THE CONTRACTOR SHALL BE COVERED BY THE APPLICABLE PORTIONS OF THE FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, DATED 2023/2024, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2023-24, AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANY AND GOVERNMENT AGENCY A MINIMUM OF TWO BUSINESS DAYS IN ADVANCE OF ANY EXCAVATION INVOLVING ITS UTILITIES AND IS TO COORDINATE FIELD VISITS WITH UTILITY REPRESENTATIVE DURING CONSTRUCTION.
- ANY DAMAGE BY THE CONTRACTOR TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED TO PRE-EXISTING CONDITIONS OR BETTER AT NO EXPENSE TO THE OWNER.
- THE LOCATIONS OF ALL UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND FIELD VERIFIED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL VERIFY IF OTHER UTILITIES NOT SHOWN IN THE PLANS EXIST WITHIN THE AREA OF CONSTRUCTION. SHOULD UTILITY CONFLICTS ARISE, THE CONTRACTOR SHALL INFORM THE ENGINEER AND CORRESPONDING UTILITY COMPANY OF THE CONFLICT.
- PRE-CONSTRUCTION VIDEO OF EXISTING CONDITIONS SHALL BE TAKEN BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION AND SUBMITTED TO THE ENGINEER AND OWNER FOR REVIEW.
- THE CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREA WITH THE OWNER AT LEAST 72 HOURS PRIOR TO USE. THE STAGING AREA SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.
- ALL CONSTRUCTION DEBRIS SHALL BE PROPERLY DISPOSED OF OFFSITE.
- THE CONTRACTOR SHALL UTILIZE BEST MANAGEMENT PRACTICES, AS ESTABLISHED BY THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT, FOR ALL WORK.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE PERMIT REQUIREMENTS BEFORE AND DURING CONSTRUCTION.
- ALL QUESTIONS CONCERNING MATERIALS OR CONSTRUCTION METHODS SHALL BE DIRECTED TO THE OWNER OR THE ENGINEER.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL COMPLY WITH FLORIDA STATUTE 353.851 FOR THE PROTECTION OF UNDERGROUND GAS PIPELINES.
- MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FOOT DESIGN STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DRIVEWAYS AND TRAVEL LANES SHALL REMAIN OPEN AT ALL TIMES. ANY AND ALL PROPOSED CLOSURES OR DETOUR ROUTES SHALL REQUIRE CITY (PUBLIC RIGHT-OF-WAY) OR OWNER (HOSPITAL CAMPUS) APPROVAL.
- CONTRACTOR MUST PROVIDE LATERAL SUPPORT FOR ALL EXISTING WATER MAINS AND MAINTAIN SOIL DEVELOPMENT EQUAL TO OR GREATER THAN EXISTING TO PREVENT WATER MAIN SEPARATION.
- ALL EXISTING UTILITIES MANHOLE COVERS, ELECTRICAL BOXES, VALVE BOXES, METER BOXES, DRAINAGE STRUCTURES, ETC. WITHIN PROPOSED AREAS OF IMPROVEMENTS SHALL BE ADJUSTED TO GRADE ELEVATION UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL EMPLOY QUALIFIED ARBORIST TO REMOVE BRANCHES, AND TREAT ANY CUTS.
- CONTRACTOR SHALL USE SPECIAL CARE WHEN WORKING NEAR EXISTING CLAY SANITARY SEWER LINE.
- CONTRACTOR TO AVOID DAMAGING EXISTING SEWER LATERALS. IF DAMAGE OCCURS TO EXISTING SEWER LATERALS, CONTRACTOR SHALL REPLACE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL EXISTING UTILITIES, IRRIGATION, CABLES, ETC., DISTURBED DURING CONSTRUCTION OF PROPOSED IMPROVEMENTS.
- EXISTING SURFACE GRADES SHOWN IN PROFILE VIEWS ARE AT THE ALIGNMENT CENTERLINE.
- MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS SHOWN ON THE PLANS ARE TO BE MEASURED FROM OUTSIDE OF PIPE TO OUTSIDE OF PIPE OR STRUCTURE.
- SURVEY DATA: ALL ELEVATIONS ON THE PLANS OR REFERENCED IN THE SPECIFICATIONS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAV88).
- CONTRACTOR TO FIELD ADJUST LOCATION OF THE PROPOSED WORK TO MEET THE MINIMUM SEPARATION REQUIREMENTS.
- CONTRACTOR TO VERIFY LOCATIONS OF UTILITIES VIA SOFT DIG.
- FOLLOWING CONSTRUCTION AND PRIOR TO SUBSTANTIAL COMPLETION, CONTRACTOR SHALL REMOVE SEDIMENT WITHIN EXISTING DRAINAGE SYSTEM PIPING AND STRUCTURES BY PRESSURIZED HYDRO-JETTING FOR COMPLETE REMOVAL OF DISPLACED SEDIMENT AND DEBRIS DURING CONSTRUCTION.

PERMITTING AGENCIES	DATE SUBMITTED	CGA INITIALS	DATE APPROVED	PERMIT NUMBER
CITY OF HOLLYWOOD PUBLIC WORKS AND ENGINEERING	-	-	-	-
CITY OF HOLLYWOOD BUILDING DEPARTMENT	-	-	-	-
BROWARD COUNTY ENVIRONMENTAL SERVICES - SWM PERMIT	06/05/24	SRS	-	L-2024-151
BROWARD COUNTY ENVIRONMENTAL PROTECTION AND GROWTH MANAGEMENT DEPARTMENT - WASTEWATER MAIN EXTENSION PERMIT	-	-	-	-
FDEP CONSTRUCTION GENERIC PERMIT (BY CONTRACTOR)	-	-	-	-
SOUTH FLORIDA WATER MANAGEMENT DISTRICT DEWATERING PERMIT (BY CONTRACTOR)	-	-	-	-



ARCHITECT
 HKS ARCHITECTS, INC.
 225 EAST ROBINSON ST, SUITE #405
 CORAL GABLES, FL 33154

INTERIOR DESIGNER
 HKS ARCHITECTS
 225 EAST ROBINSON ST, SUITE #405
 ORLANDO, FL 32801

CIVIL & LANDSCAPE
 CALVIN GUERDANO & ASSOCIATES
 1800 ELLER DRIVE, SUITE 600
 FORT LAUDERDALE, FL 33316

STRUCTURAL ENGINEER
 GMS STRUCTURAL ENGINEERS
 14335 COMMERCIAL WAY
 MIAMI LAKES, FL 33016

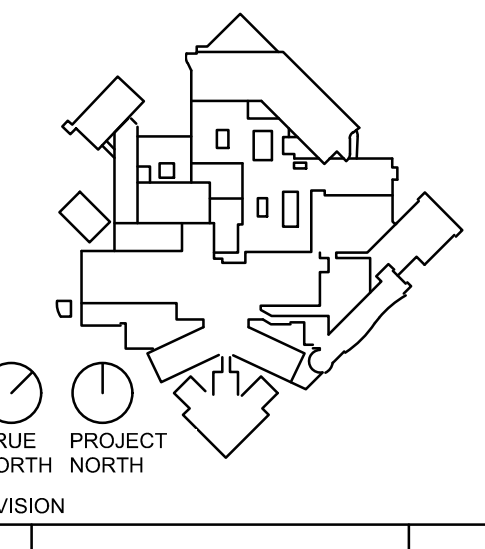
MEP & FIRE PROTECTION
 TLC ENGINEERING SOLUTIONS, INC.
 800 FAIRWAY DRIVE
 DEERFIELD BEACH, FL 33441

TELECOM & EQUIPMENT
 SMITH SECHMAN REED, INC.
 2995 SISCO DRIVE
 NASHVILLE, TN 37204

OWNER
 MEMORIAL HEALTHCARE SYSTEM
 3501 JOHNSON STREET
 HOLLYWOOD, FL 33021



INTERIM REVIEW ONLY
 These documents are incomplete, and are released for interim review only and are not intended for regulatory approval, permit, or construction purposes.
 Engineer: James D. Messick
 P.E. License No.: 70870
 Date: 07/03/2024



JAMES D. MESSICK, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 70870.
 THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES D. MESSICK ON THE DATE INDICATED HERE.
 PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

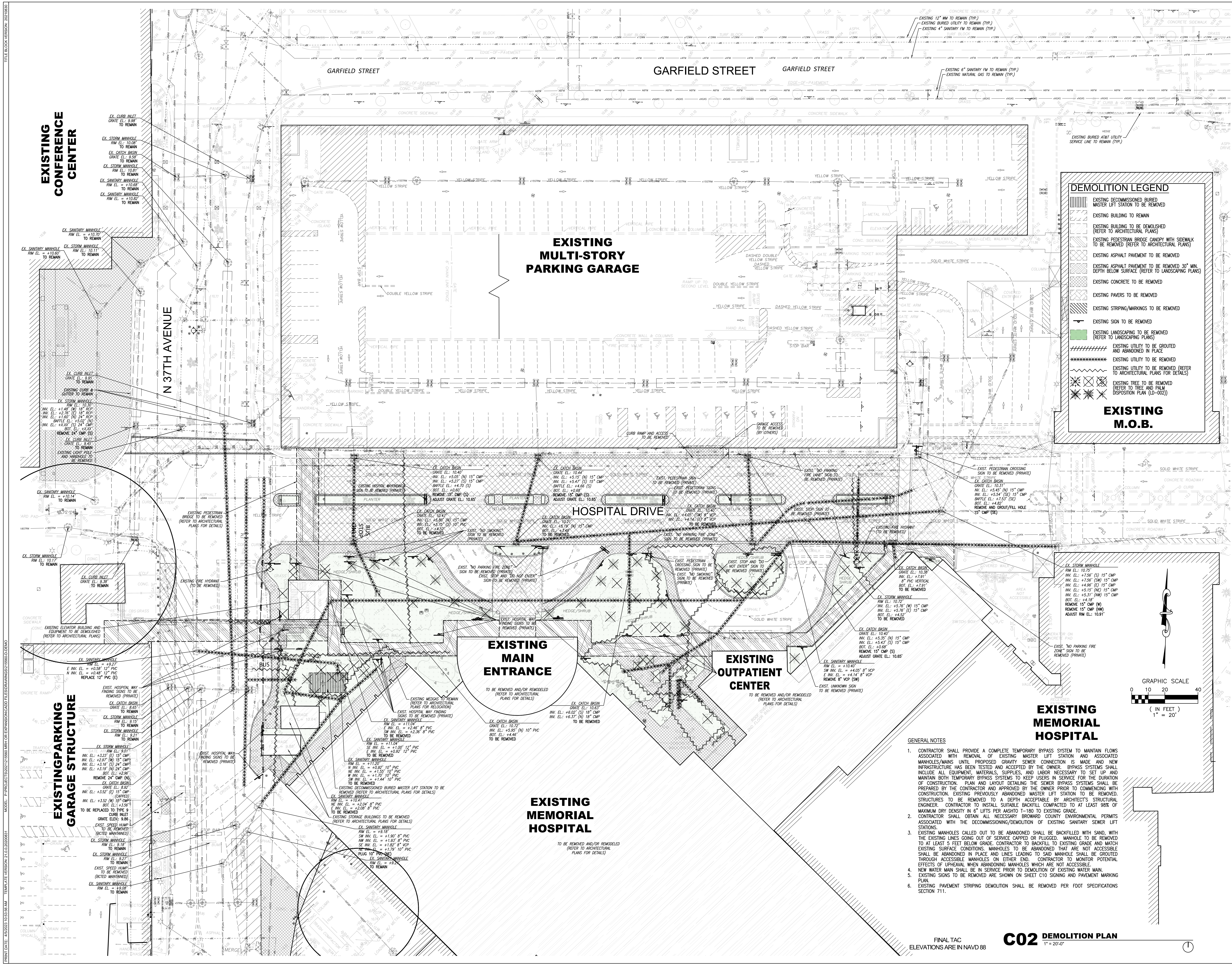
HKS PROJECT NUMBER
23459.000
 DATE
AUGUST 19, 2024
 ISSUE
FINAL TAC

SHEET TITLE
LEGENDS, ABBREVIATIONS AND GENERAL NOTES

SHEET NO.
C01

FINAL TAC
 ELEVATIONS ARE IN NAVD 88

C01 LEGENDS, ABBREVIATIONS AND GENERAL NOTES
 NOT TO SCALE



DEMOLITION LEGEND

- EXISTING DECOMMISSIONED BURIED MASTER LIFT STATION TO BE REMOVED
- EXISTING BUILDING TO REMAIN
- EXISTING BUILDING TO BE DEMOLISHED (REFER TO ARCHITECTURAL PLANS)
- EXISTING PEDESTRIAN BRIDGE CANOPY WITH SIDEWALK TO BE REMOVED (REFER TO ARCHITECTURAL PLANS)
- EXISTING ASPHALT PAVEMENT TO BE REMOVED
- EXISTING ASPHALT PAVEMENT TO BE REMOVED 30" MIN. DEPTH BELOW SURFACE (REFER TO LANDSCAPING PLANS)
- EXISTING CONCRETE TO BE REMOVED
- EXISTING PAVERS TO BE REMOVED
- EXISTING STRIPING/MARKINGS TO BE REMOVED
- EXISTING SIGN TO BE REMOVED
- EXISTING LANDSCAPING TO BE REMOVED (REFER TO LANDSCAPING PLANS)
- EXISTING UTILITY TO BE GROUTED AND ABANDONED IN PLACE
- EXISTING UTILITY TO BE REMOVED (REFER TO ARCHITECTURAL PLANS FOR DETAILS)
- EXISTING TREE TO BE REMOVED (REFER TO TREE AND PALM DISPOSITION PLAN (LD-002))

EXISTING M.O.B.

- #### GENERAL NOTES
- CONTRACTOR SHALL PROVIDE A COMPLETE TEMPORARY BYPASS SYSTEM TO MAINTAIN FLOWS ASSOCIATED WITH REMOVAL OF EXISTING MASTER LIFT STATION AND ASSOCIATED MANHOLES MAINS UNTIL PROPOSED GRAVITY SEWER CONNECTION IS MADE AND NEW INFRASTRUCTURE HAS BEEN TESTED AND ACCEPTED BY THE OWNER. BYPASS SYSTEMS SHALL INCLUDE ALL EQUIPMENT, MATERIALS, SUPPLIES, AND LABOR NECESSARY TO SET UP AND MAINTAIN BOTH TEMPORARY BYPASS SYSTEMS TO KEEP USERS IN SERVICE FOR THE DURATION OF CONSTRUCTION. PLAN AND LAYOUT DETAILING THE SEWER BYPASS SYSTEMS SHALL BE PREPARED BY THE CONTRACTOR AND APPROVED BY THE OWNER PRIOR TO COMMENCING WITH CONSTRUCTION. EXISTING PREVIOUSLY ABANDONED MASTER LIFT STATION TO BE REMOVED. STRUCTURES TO BE REMOVED TO A DEPTH ACCEPTABLE BY ARCHITECT'S STRUCTURAL ENGINEER. CONTRACTOR TO INSTALL SUITABLE BACKFILL COMPACTED TO AT LEAST 80% OF MAXIMUM DRY DENSITY IN 6" LIFTS PER AASHTO T-180 TO EXISTING GRADE.
 - CONTRACTOR SHALL OBTAIN ALL NECESSARY BROWARD COUNTY ENVIRONMENTAL PERMITS ASSOCIATED WITH THE DECOMMISSIONING/DEMOLITION OF EXISTING SANITARY SEWER LIFT STATIONS.
 - EXISTING MANHOLES CALLED OUT TO BE ABANDONED SHALL BE BACKFILLED WITH SAND, WITH THE EXISTING LINES GOING OUT OF SERVICE CAPPED OR PLUGGED. MANHOLE TO BE REMOVED TO AT LEAST 5 FEET BELOW GRADE. CONTRACTOR TO BACKFILL TO EXISTING GRADE AND MATCH EXISTING SURFACE CONDITIONS. MANHOLES THAT ARE NOT ACCESSIBLE SHALL BE ABANDONED IN PLACE AND LINES LEADING TO SAID MANHOLE SHALL BE GROUTED THROUGH ACCESSIBLE MANHOLES ON EITHER END. CONTRACTOR TO MONITOR CONTRACTOR'S POTENTIAL EFFECTS OF UPHEAVAL WHEN ABANDONING MANHOLES WHICH ARE NOT ACCESSIBLE.
 - NEW WATER MAIN SHALL BE IN SERVICE PRIOR TO DEMOLITION OF EXISTING WATER MAIN.
 - EXISTING SIGNS TO BE REMOVED ARE SHOWN ON SHEET C10 SIGNING AND PAVEMENT MARKING PLAN.
 - EXISTING PAVEMENT STRIPING DEMOLITION SHALL BE REMOVED PER FOOT SPECIFICATIONS SECTION 711.

FINAL TAC
ELEVATIONS ARE IN NAVD 83

C02 DEMOLITION PLAN

1" = 20'-0"

EXISTING CONFERENCE CENTER

EXISTING MULTI-STORY PARKING GARAGE

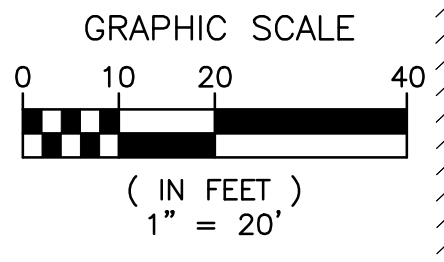
EXISTING MAIN ENTRANCE

EXISTING OUTPATIENT CENTER

EXISTING MEMORIAL HOSPITAL

EXISTING PARKING GARAGE STRUCTURE

EXISTING MEMORIAL HOSPITAL



GARFIELD STREET

EXISTING CONFERENCE CENTER

EXISTING MULTI-STORY PARKING GARAGE

HATCHING LEGEND

- PROPOSED BUILDING
- PROPOSED DETECTABLE WARNING SURFACES
- PROPOSED ASPHALT MILL & RESURFACE
- PROPOSED ASPHALT RESTORATION
- PROPOSED CONCRETE SIDEWALK
- DRAINAGE FLOW
- TOP OF CURB
- ME
- MATCH EXISTING
- TOW
- TOP OF WALL
- BOW
- BOF OF WALL

EXISTING M.O.B.

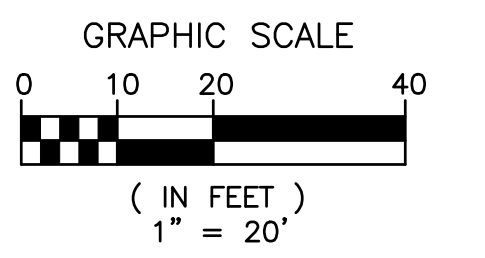
HOSPITAL DRIVE

PROPOSED BED TOWER (8 STORY)

EXISTING MEMORIAL HOSPITAL

PROPOSED SURGERY PLATFORM & LEVEL 03 CONNECTOR

EXISTING PARKING GARAGE STRUCTURE

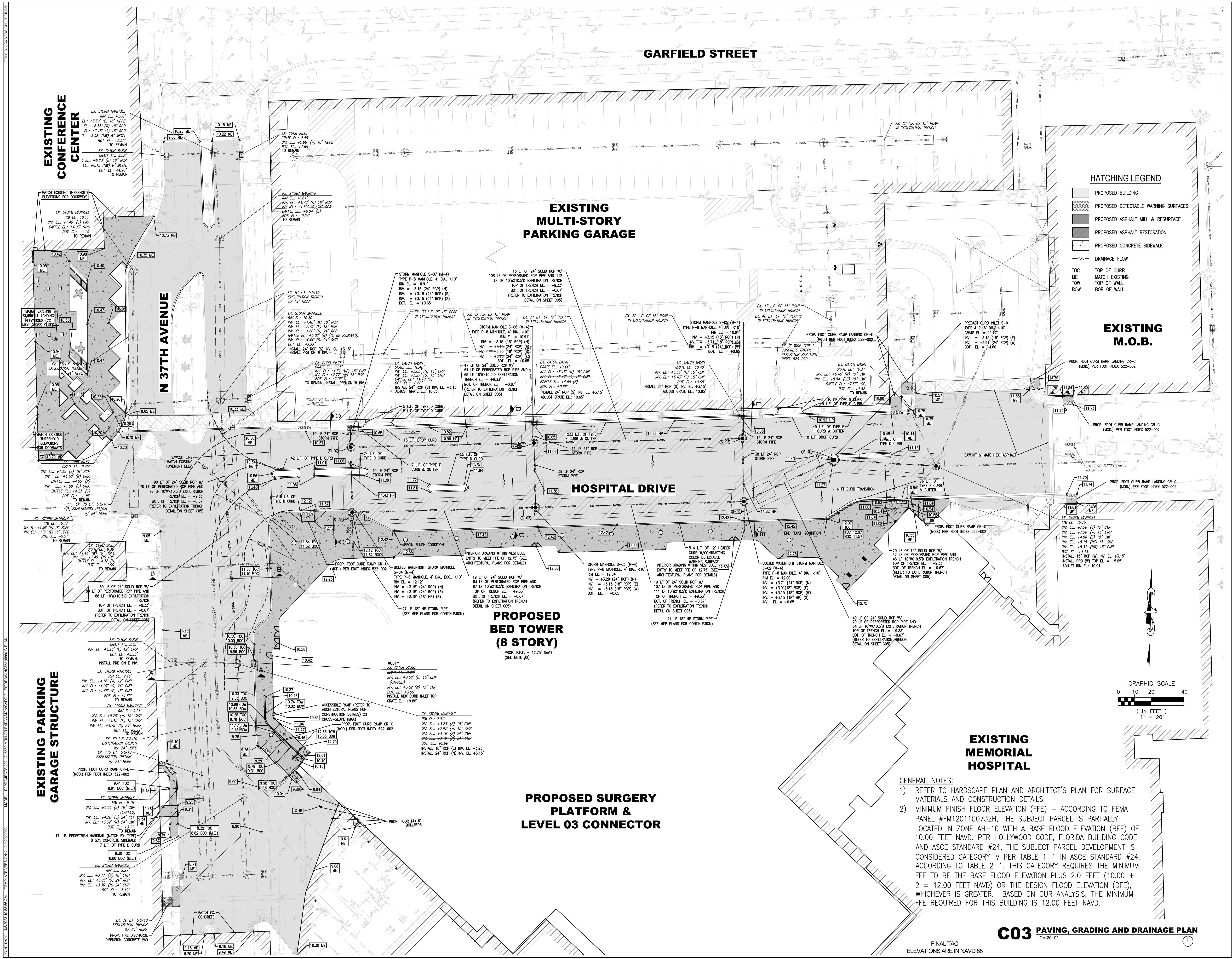


GENERAL NOTES:

- REFER TO HARDSCAPE PLAN AND ARCHITECT'S PLAN FOR SURFACE MATERIALS AND CONSTRUCTION DETAILS
- MINIMUM FINISH FLOOR ELEVATION (FFE) - ACCORDING TO FEMA PANEL #FM12011C0732H, THE SUBJECT PARCEL IS PARTIALLY LOCATED IN ZONE AH-10 WITH A BASE FLOOD ELEVATION (BFE) OF 10.00 FEET NAVD. PER HOLLYWOOD CODE, FLORIDA BUILDING CODE AND ASCE STANDARD #24, THE SUBJECT PARCEL DEVELOPMENT IS CONSIDERED CATEGORY IV PER TABLE 1-1 IN ASCE STANDARD #24. ACCORDING TO TABLE 2-1, THIS CATEGORY REQUIRES THE MINIMUM FFE TO BE THE BASE FLOOD ELEVATION PLUS 2.0 FEET (10.00 + 2 = 12.00 FEET NAVD) OR THE DESIGN FLOOD ELEVATION (DFE), WHICHEVER IS GREATER. BASED ON OUR ANALYSIS, THE MINIMUM FFE REQUIRED FOR THIS BUILDING IS 12.00 FEET NAVD.

FINAL TAC
ELEVATIONS ARE IN NAVD 88


C03 PAVING, GRADING AND DRAINAGE PLAN
1" = 20'



TITLE BLOCK VERSION: 20180820
 MODEL: P:\PROJECTS\2021\15500\HRI OR EXPANSION\CADD FILES\DRAWINGS\215500-C-DET1
 PRINT DATE: 15/03/2024 10:53:56 AM
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GENERAL NOTES:

- THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF HOLLYWOOD DEPARTMENT OF PUBLIC UTILITIES, ENGINEERING AND CONSTRUCTION SERVICES DIVISION (ECS), AND ALL OTHER LOCAL, STATE AND NATIONAL CODES, WHERE APPLICABLE.
- LOCATIONS, ELEVATIONS, SIZES, MATERIALS, ALIGNMENTS, AND DIMENSIONS OF EXISTING FACILITIES, UTILITIES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF THE PREPARATION OF THESE PLANS; AND DO NOT PURPORT TO BE ABSOLUTELY CORRECT. ALSO, THERE MAY HAVE BEEN OTHER IMPROVEMENTS, UTILITIES, ETC., WITHIN THE PROJECT AREA WHICH WERE CONSTRUCTED AFTER THE PREPARATION OF THESE PLANS AND/OR THE ORIGINAL SITE SURVEY. THE CONTRACTOR SHALL VERIFY THE LOCATIONS, ELEVATIONS, AND OTHER FEATURES AFFECTING HIS/HER WORK PRIOR TO CONSTRUCTION, AND NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICT BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY FACILITIES SHOWN OR NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL WORK AS NEEDED TO AVOID CONFLICT WITH EXISTING UTILITIES (NO ADDITIONAL COST SHALL BE PAID FOR THIS WORK). EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE RESPECTIVE UTILITY OWNER.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES TO ARRANGE FOR THE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT, AND TO ENSURE THAT EXISTING UTILITIES ARE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER.
- CONTRACTOR SHALL ADJUST ALL EXISTING UTILITY CASTINGS INCLUDING VALVE BOXES, MANHOLES, HAND-HOLES, PULL-BOXES, STORMWATER INLETS, AND SIMILAR STRUCTURES IN CONSTRUCTION AREA TO BE OVERLAID WITH ASPHALT PAVEMENT.
- THE CONTRACTOR IS REQUIRED TO OBTAIN ALL APPLICABLE CONSTRUCTION AND ENVIRONMENTAL PERMITS PRIOR TO THE START OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY ECS AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
- PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND INSTALLATION OF THE PROPOSED IMPROVEMENTS, SHOP DRAWINGS SHALL BE SUBMITTED TO ECS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS REQUIREMENTS, FOR APPROVAL. IN ADDITION, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY OTHER AGENCY SHOP DRAWING APPROVAL, IF REQUIRED.
- THE CONTRACTOR SHALL NOTIFY ECS IMMEDIATELY FOR ANY CONFLICT ARISING DURING CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- ELEVATIONS SHOWN ARE IN FEET AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAP	GENERAL NOTES		DRAWING NO. G-00
APPROVED: XXX			


GENERAL NOTES (CONTINUED):

- CITY OF HOLLYWOOD SHALL NOT PROVIDE STAGING / STORAGE AREA. CONTRACTOR SHALL SECURE STAGING / STORAGE AREA AS NECESSARY FOR CONSTRUCTION WORK.
- CONTRACTOR SHALL Haul AWAY EXCESSIVE STOCKPILE OF SOIL FOR DISPOSAL EVERY DAY. NO STOCKPILE SOIL IS ALLOWED TO BE LEFT ON THE CONSTRUCTION SITE OVER NIGHT.
- CONTRACTOR SHALL CLEAN / SWEEP THE ROAD AT LEAST ONE DAY OR AS REQUIRED BY THE ENGINEER.
- CONTRACTOR SHALL PROTECT CATCH BASINS WITHIN / ADJACENT TO THE CONSTRUCTION SITE AS REQUIRED BY NPDES REGULATIONS.
- THE CITY OF HOLLYWOOD HAS A NOISE ORDINANCE (CHAPTER 100) WHICH PROHIBITS EXCAVATION AND CONSTRUCTION BEFORE 8:00 A.M. AND AFTER 6:00 P.M., MONDAY THROUGH SATURDAY AND ALL DAY SUNDAY.
- SUITABLE EXCAVATED MATERIAL SHALL BE USED IN FILL AREAS. NO SEPARATE PAY ITEM FOR THIS WORK, INCLUDE COST IN OTHER ITEMS.
- ALL ROAD CROSSINGS ARE OPEN CUT AS PER THE REQUIREMENTS OF THE ECS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, PARKING LOTS, SIDEWALKS, ETC. TO SATISFY THE INSTALLATION OF THE PROPOSED IMPROVEMENTS WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION OR AS DIRECTED BY ECS FIELD ENGINEER.
- THE CONTRACTOR SHALL NOT ENCRoACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT. IN CASE WORK ON PRIVATE PROPERTY IS NEEDED, A CITY OF HOLLYWOOD "RIGHT OF ENTRY" FORM MUST BE SIGNED BY PROPERTY OWNER AND THE DIRECTOR OF PUBLIC UTILITIES. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS AT ALL TIMES TO PRIVATE HOMES/BUSINESSES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE, REMOVAL OR MODIFICATION, CAUSED TO ANY IRRIGATION SYSTEM (PRIVATE OR PUBLIC) ACCIDENTALLY OR PURPOSELY. THE CONTRACTOR SHALL REPLACE ANY DAMAGED, REMOVED OR MODIFIED IRRIGATION PIPES, SPRINKLER HEADS OR OTHER PERTINENT APPURTENANCES TO MATCH OR EXCEED EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE CITY.
- MAIL BOXES, FENCES OR OTHER PRIVATE PROPERTY DAMAGED DURING THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS SHALL BE REPLACED TO MATCH OR EXCEED EXISTING CONDITION.
- CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH FOOT STANDARDS AND CITY OF HOLLYWOOD DEPARTMENT OF PUBLIC UTILITIES STANDARDS.
- NO TREES ARE TO BE REMOVED OR RELOCATED WITHOUT PRIOR APPROVAL FROM THE ECS FIELD ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING THE NECESSARY TREE REMOVAL OR RELOCATION PERMITS FROM THE CITY OF HOLLYWOOD BUILDING DEPARTMENT FOR TREES LOCATED IN THE PUBLIC RIGHT OF WAY.
- IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE REGULATORY STANDARDS / REQUIREMENTS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF ECS.

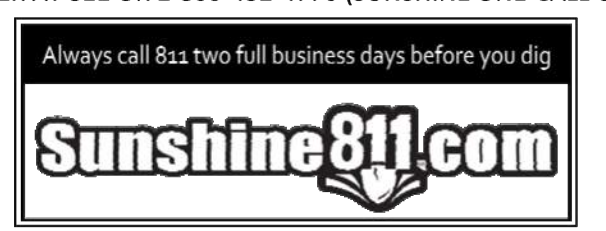
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAP	GENERAL NOTES (CONTINUED)		DRAWING NO. G-00.1
APPROVED: XXX			

GENERAL NOTES (CONTINUED):


- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF AND MAKING THE REPAIRS TO EXISTING PAVEMENT, SIDEWALKS, PIPES, CURBS, CABLES, ETC., WHETHER OR NOT SHOWN ON THE PLANS DAMAGED AS A RESULT OF THE CONTRACTORS OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY AT NO ADDITIONAL EXPENSE TO THE OWNER. CONTRACTOR SHALL REPORT ANY DAMAGE TO SIDEWALK, DRIVEWAY, ETC., PRIOR TO BEGINNING WORK IN ANY AREA.
- WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT TO MATCH EXISTING CONDITIONS.
- UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR LEAVE EXCAVATED TRENCHES, OR PARTS OF, EXPOSED OR OPENED AT THE END OF THE WORKING DAY, WEEKENDS, HOLIDAYS OR OTHER TIMES, WHEN THE CONTRACTOR IS NOT WORKING, UNLESS OTHERWISE DIRECTED. ALL TRENCHES SHALL BE COVERED, FIRMLY SECURED AND MARKED ACCORDINGLY FOR PEDESTRIAN / VEHICULAR TRAFFIC.
- ALL EXCAVATED MATERIAL REMOVED FROM THIS PROJECT SHALL BE DISPOSED OFF THE PROPERTY BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- ALL DUCTILE IRON PRODUCTS SHALL BE DOMESTIC MADE HEAVY DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS, OR 20,000 LB.
- ALL GRASSED AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OF THE LATEST REVISION OF FOOT DESIGN STANDARDS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR THE RESETTING OF ALL TRAFFIC CONTROL AND INFORMATION SIGNAGE REMOVED DURING THE CONSTRUCTION PERIOD.
- EXCAVATED OR OTHER MATERIAL STORED ADJACENT TO OR PARTIALLY UPON A ROADWAY PAVEMENT SHALL BE ADEQUATELY MARKED FOR TRAFFIC SAFETY AT ALL TIMES.
- TEMPORARY PATCH MATERIAL MUST BE ON THE JOB SITE WHENEVER PAVEMENT IS CUT, OR THE CITY'S INSPECTOR WILL SHUT THE JOB DOWN.
- CONTRACTOR MUST PROVIDE FLASHER ARROW SIGNAL FOR ANY LANE THAT IS CLOSED OR DIVERTED.
- CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF TRAFFIC DETOUR IN ACCORDANCE WITH SECTION 336.07 OF FLORIDA STATUTES.
- CONTRACTOR TO RESTORE PAVEMENT TO ORIGINAL CONDITION AS REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DEWATERING PER SPECIFICATION SECTION 02140 DEWATERING.

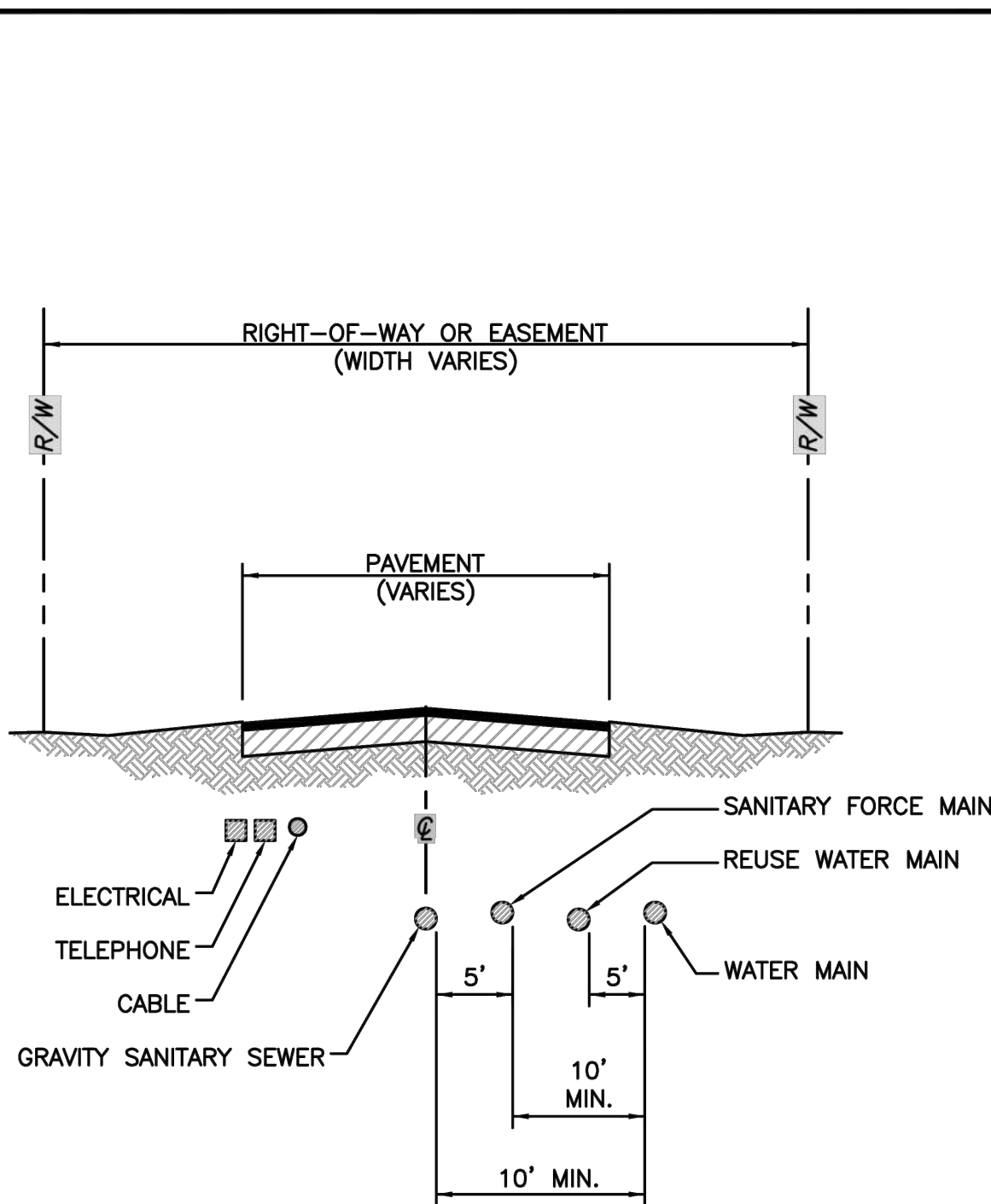
	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAP	GENERAL NOTES (CONTINUED)		DRAWING NO. G-00.2
APPROVED: XXX			


GENERAL NOTES (CONTINUED):

- THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS NOTICE TO UTILITY COMPANIES TO PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT UTILITIES NOTIFICATION CENTER AT 811 OR 1-800-432-4770 (SUNSHINE ONE-CALL OF FLORIDA).
- 

Always call 811 two full business days before you dig
- WHEN PVC PIPE IS USED, A METALLIZED MARKER TAPE SHALL BE INSTALLED CONTINUOUSLY 18" ABOVE THE PIPE. THE MARKER TAPE SHOULD BE IMPRINTED WITH A WARNING THAT THERE IS BURIED PIPE BELOW. THE TAPE SHALL BE MAGNA TEC, AS MANUFACTURED BY THOR ENTERPRISES INC. OR APPROVED EQUAL.
 - ALL CONNECTIONS TO EXISTING MAINS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WATER CONNECTIONS SHALL BE METERED, AND THE COST OF WATER AND TEMPORARY METER SHALL BE BORNE BY THE CONTRACTOR.
 - A COMPLETE AS-BUILT SURVEY SHALL BE ACCURATELY RECORDED OF THE UTILITY SYSTEM DURING CONSTRUCTION. AS-BUILT SURVEY SHALL BE SUBMITTED TO ECS SIGNED AND SEALED BY A FLORIDA REGISTERED SURVEYOR PRIOR TO FINAL INSPECTION AND ACCEPTANCE OF PROJECT. THE COST OF SIGNED AND SEALED AS-BUILTS SHALL BE COVERED IN OVERALL BID. THE AS-BUILT SURVEY SHALL INCLUDE:
 - PLAN VIEW SHOWING THE HORIZONTAL LOCATIONS OF EACH MANHOLE, INLET, VALVE, FITTING, BEND AND HORIZONTAL PIPE DEFLECTIONS WITH COORDINATES AND IN REFERENCE TO A SURVEY BASELINE OR RIGHT-OF-WAY CENTERLINE.
 - THE PLAN VIEW SHALL ALSO SHOW SPOT ELEVATIONS OF THE TOP OF THE MAIN (WATER MAIN AND FORCE MAIN) OR PIPE INVERTS (GRAVITY MAINS) AT INTERVALS NOT TO EXCEED 100 FEET AS MEASURED ABOVE MAIN. THE PLAN VIEW SHALL ALSO INCLUDE SPOT ELEVATIONS AT EACH MANHOLE, INLET, VALVE, FITTING, BEND AND VERTICAL PIPE DEFLECTION.
 - THE PLAN VIEW SHALL ALSO SHOW THE HORIZONTAL SEPARATION FROM UNDERGROUND UTILITIES IMMEDIATELY ADJACENT OR PARALLEL TO THE NEW MAIN.
 - PROFILE VIEW WITH SPOT ELEVATIONS OF THE TOP OF THE MAIN (WATER MAIN AND FORCE MAIN) OR PIPE INVERT (GRAVITY MAIN) AND OF THE FINISHED GRADE OR MANHOLE RIM DIRECTLY ABOVE THE MAIN AT INTERVALS NOT TO EXCEED 100 FEET AS MEASURED ALONG THE MAIN. THE PROFILE VIEW SHALL ALSO INCLUDE SPOT ELEVATIONS AT EACH MANHOLE, INLET, VALVE, FITTING, BEND AND VERTICAL PIPE DEFLECTION.
 - THE PROFILE VIEW SHALL SHOW ALL UNDERGROUND UTILITIES CROSSING THE NEW MAIN AND THE VERTICAL SEPARATION PROVIDED BETWEEN THAT UNDERGROUND UTILITY AND THE NEW MAIN.
 - ALL CADD FILES MUST BE CREATED FOLLOWING THE CITY OF HOLLYWOOD "SURVEY / AS-BUILT CAD DRAWING STANDARDS"

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAP	GENERAL NOTES (CONTINUED)		DRAWING NO. G-00.3
APPROVED: XXX			




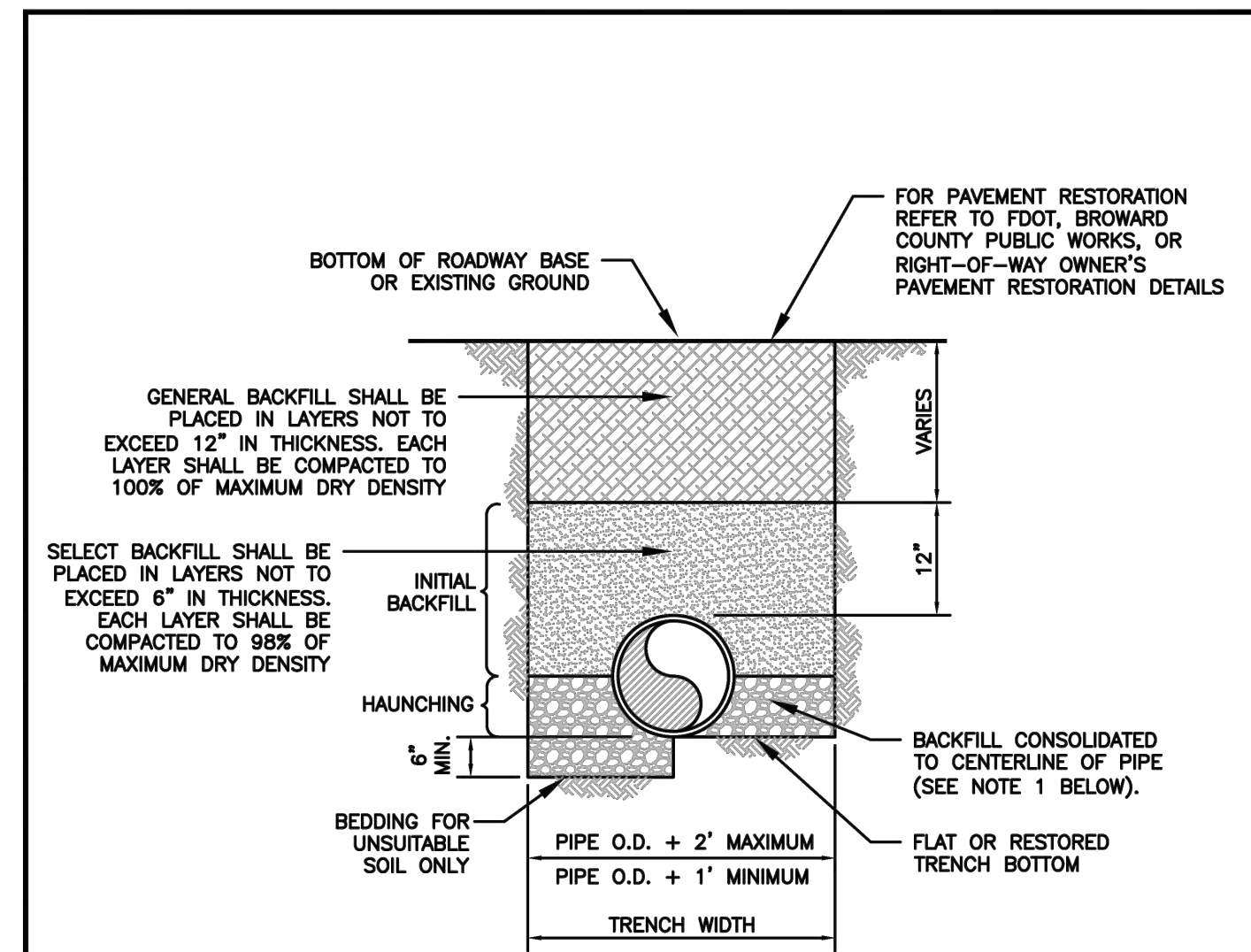
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DRAWN: EAP	TYPICAL UTILITY ACCOMMODATION WITHIN RIGHT-OF-WAY OR EASEMENT		DRAWING NO. G-01
APPROVED: XXX			

WATER MAIN SEPARATION IN ACCORDANCE WITH F.A.C. RULE 62-555.314


OTHER PIPE	HORIZONTAL SEPARATION	CROSSING (1), (4)	JOINT SPACING @ CROSSING (FULL JOINT CENTERED) (8)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)	3 ft minimum		Alternate 3 ft minimum
GRAVITY SANITARY SEWER, (3) SANITARY SEWER FORCE MAIN, RECLAIMED WATER	10 ft preferred, 6 ft minimum		Alternate 6 ft minimum
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM	10 ft minimum		

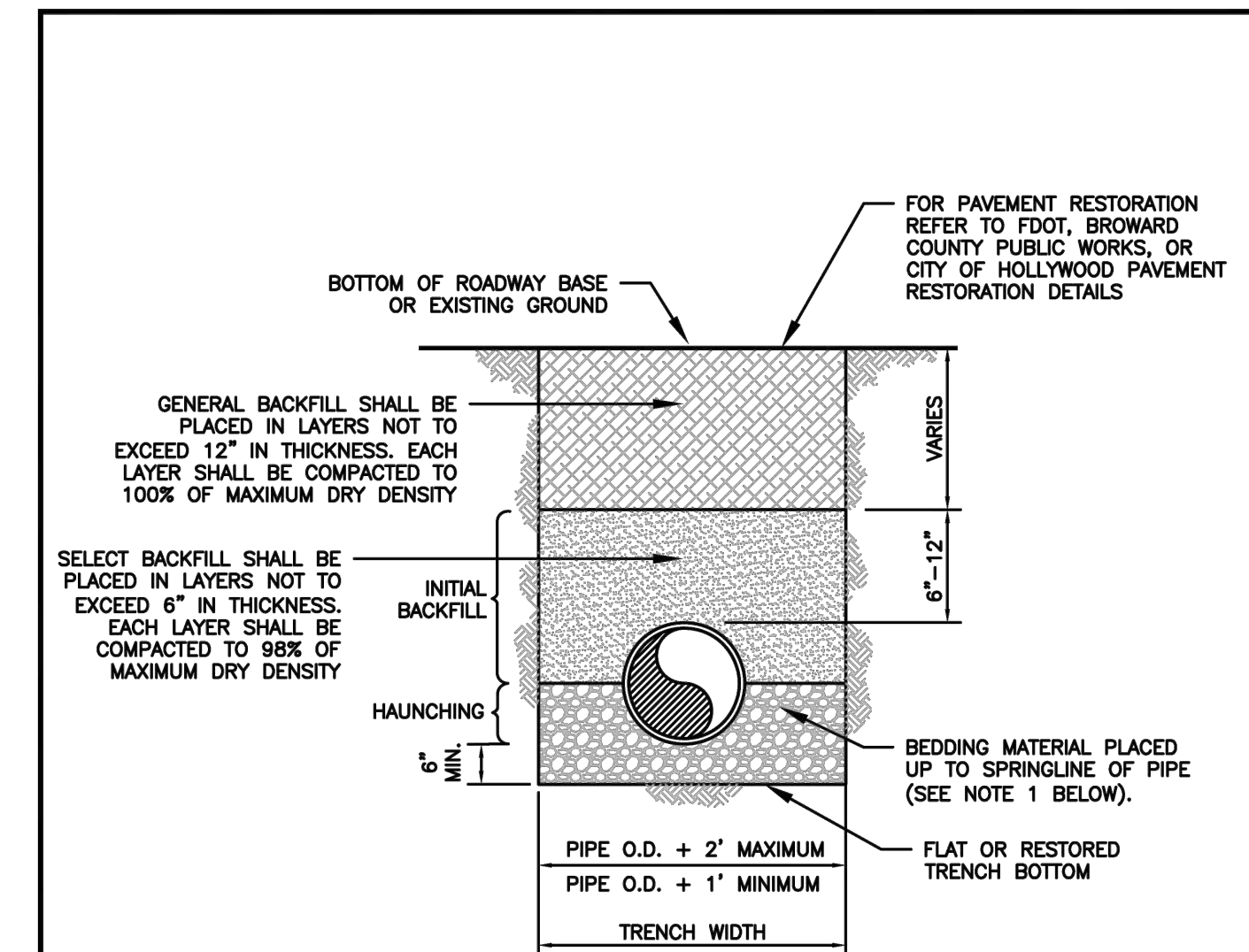
- WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
- RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
- 3 FT. FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
- 18" VERTICAL MINIMUM SEPARATION REQUIRED BY CITY OF HOLLYWOOD, UNLESS OTHERWISE APPROVED.
- A MINIMUM 6 FOOT HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ANY TYPE OF SEWER AND WATER MAIN IN PARALLEL INSTALLATIONS WHENEVER POSSIBLE.
- IN CASES WHERE IT IS NOT POSSIBLE TO MAINTAIN A 10 FOOT HORIZONTAL SEPARATION, THE WATER MAIN MUST BE LAID IN A SEPARATE TRENCH OR ON AN UNDISTURBED EARTH'S SHELF LOCATED ON ONE SIDE OF THE SEWER OR FORCE MAIN AT SUCH AN ELEVATION THAT THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER.
- WHERE IT IS NOT POSSIBLE TO MAINTAIN A VERTICAL DISTANCE OF 18 INCHES IN A PARALLEL INSTALLATION, THE WATER MAIN SHALL BE CONSTRUCTED OF DIP AND THE SANITARY SEWER OR FORCE MAIN SHALL BE CONSTRUCTED OF DIP WITH A MINIMUM VERTICAL DISTANCE OF 6 INCHES. THE WATER MAIN SHOULD ALWAYS BE ABOVE THE SEWER JOINTS ON THE WATER MAIN SHALL BE LOCATED AS FAR APART AS POSSIBLE FROM JOINTS ON THE SEWER OR FORCE MAIN (STAGGERED JOINTS).
- ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSINGS MUST BE MECHANICALLY RESTRAINED.

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 11/06/2017
DRAWN: EAP	SEPARATION REQUIREMENTS OF F.D.E.P.		DRAWING NO. G-01.1
APPROVED: XXX			




- NOTES:**
- WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRANFIELD LIME ROCK), CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER DELETERIOUS MATERIALS.
 - ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID. FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO SPECIFICATION SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES".
 - DENSITY TESTING SHALL BE IN ACCORDANCE WITH ASTM 1-180 AND ASTM D-3017.
 - BACKFILL TO COMPLY WITH FDOT DESIGN STANDARDS 125-8.

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAP	PIPE LAYING CONDITION TYPICAL SECTION (D.I.P.)		DRAWING NO. G-02
APPROVED: XXX			



- NOTES:**
- WHEN PIPE INSTALLATION IS ABOVE THE GROUND WATER TABLE ELEVATION, OR WHENEVER BEDDING COPPER PIPE UNDER ANY CONDITION, BEDDING MATERIAL SHALL BE CLEAN SANDY SOIL IF AVAILABLE WITHIN THE LIMITS OF CONSTRUCTION. IMPORTED BEDDING SHALL BE WELL GRADED, WASHED CRUSHED STONE (OR DRANFIELD LIME ROCK), CRUSHED STONE SHALL CONSIST OF HARD, DURABLE, SUB-ANGULAR PARTICLES OF PROPER SIZE AND GRADATION, AND SHALL BE FREE FROM ORGANIC MATERIAL, WOOD, TRASH, SAND, LOAM, CLAY, EXCESS FINES, AND OTHER DELETERIOUS MATERIALS.
 - ALL BEDDING MATERIAL SHALL BE COMPACTED TO 95% OF MAXIMUM DENSITY BEFORE ANY PIPE IS LAID. FOR ADDITIONAL MATERIAL SPECIFICATIONS REFER TO SPECIFICATION SECTION 02222, "EXCAVATION AND BACKFILL FOR UTILITIES".
 - DENSITY TESTING SHALL BE IN ACCORDANCE WITH ASTM 1-180 AND ASTM D-3017.
 - BACKFILL TO COMPLY WITH FDOT DESIGN STANDARD 125-8.

	ISSUED: 03/01/1994	DEPARTMENT OF PUBLIC UTILITIES STANDARD DETAIL	REVISED: 06/08/2014
DRAWN: EAP	PIPE LAYING CONDITION TYPICAL SECTION (P.V.C.)		DRAWING NO. G-03
APPROVED: XXX			

FINAL TAC
ELEVATIONS ARE IN NAVD 88

C04 PAVING, GRADING AND DRAINAGE DETAILS
NOT TO SCALE

HKS

ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33154

INTERIOR DESIGNER
HKS ARCHITECTS
225 EAST ROBINSON ST, SUITE #405
ORLANDO, FL 32801

CIVIL & LANDSCAPE
CALVIN GUERINO & ASSOCIATES
1800 ELLER DRIVE, SUITE 600
FORT LAUDERDALE, FL 33316

STRUCTURAL ENGINEER
GMS STRUCTURAL ENGINEERS
14336 COMMERCIAL WAY
MIAMI LAKES, FL 33016

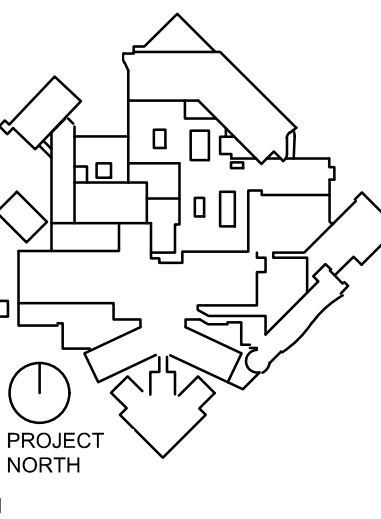
MEP & FIRE PROTECTION
TLC ENGINEERING SOLUTIONS, INC.
800 FAIRWAY DRIVE
DEERFIELD BEACH, FL 33441

TELECOM & EQUIPMENT
SMITH SECHMAN REID, INC.
2995 SISCO DRIVE
NASHVILLE, TN 37204

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021

Memorial Regional Hospital
SURGICAL & CRITICAL CARE TOWER EXPANSION
3501 JOHNSON STREET, HOLLYWOOD, FL 33021

INTERIM REVIEW ONLY
These documents are incomplete, and are not intended for regulatory approval, permit, or construction purposes.
Engineer: James D. Messick
P.E. License No.: 75975
Date: 07/03/2024



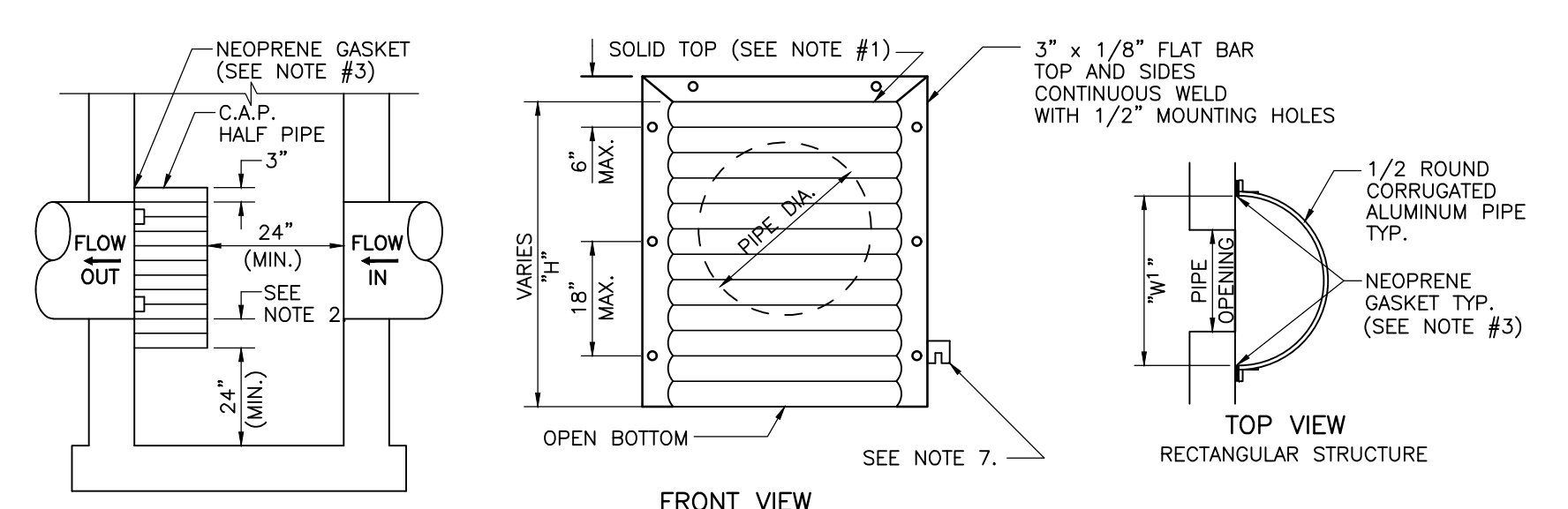
JAMES D. MESSICK, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 70870.
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES D. MESSICK ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

HKS PROJECT NUMBER
23459.000
DATE
AUGUST 19, 2024
ISSUE
FINAL TAC

SHEET TITLE
PAVING, GRADING AND DRAINAGE DETAILS

SHEET NO.
C04

TITLE BLOCK VERSION: 20180820
 MODEL: P:\PROJECTS\2021\17-5580 (RIN) OR EXPANSION\CAD FILES\DRAWINGS\210509-C-DET
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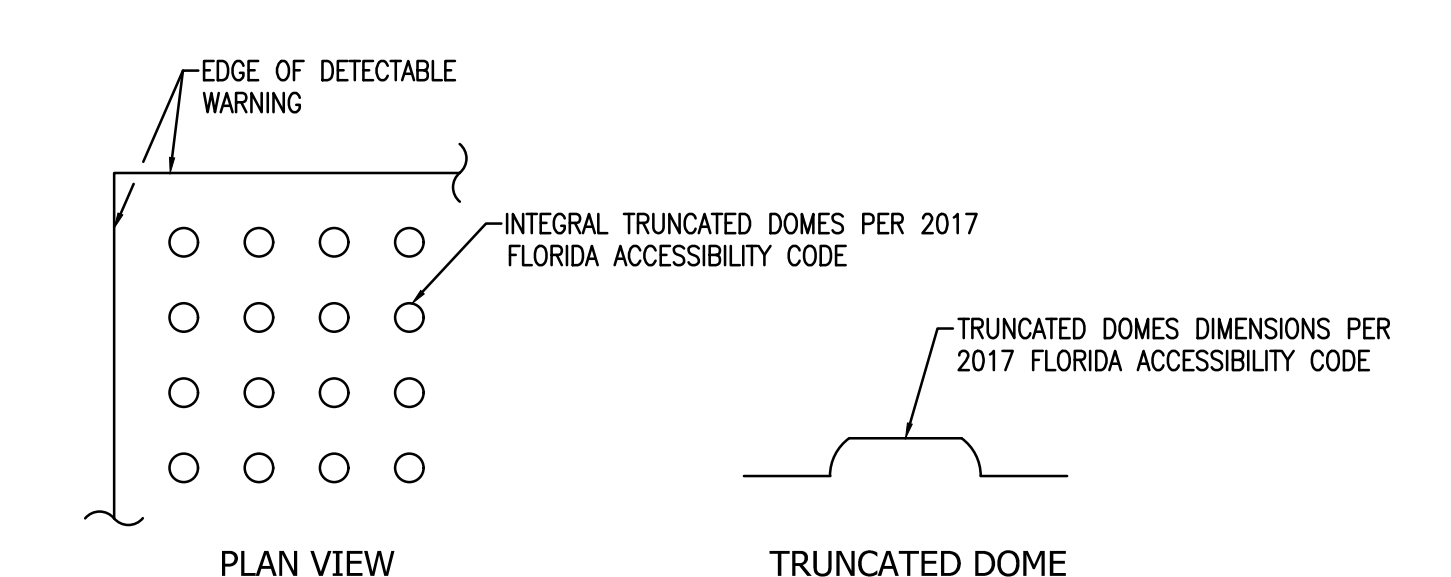


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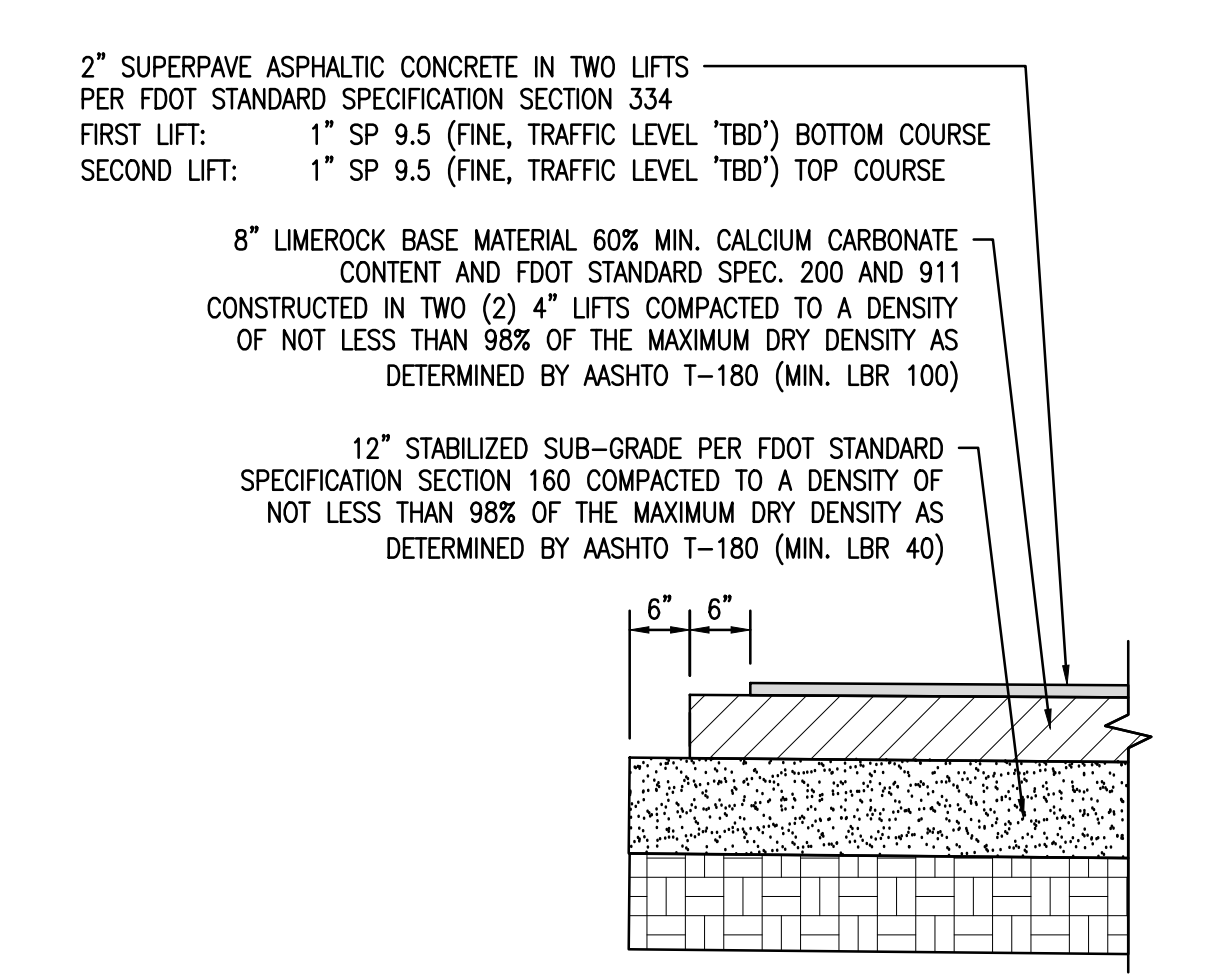
- ALUMINUM SHEET OF SAME THICKNESS (GAUGE) AS PIPE SHALL BE WELDED TO CLOSE OPENING AT THE TOP.
- THE BOTTOM ELEVATION OF THE POLLUTION RETARDANT BAFFLE MUST BE AT LEAST 6" BELOW PIPE INVERT.
- NEOPRENE ADHESIVE BACKED GASKET, OR APPROVED EQUAL (1" x 2") SHALL BE INSTALLED ON THE SIDES AND TOP OF ALL BAFFLES.
- POLLUTION RETARDANT BAFFLE TO BE FASTENED IN PLACE WITH 3/8"x4" STAINLESS STEEL "RED HEADS", OR APPROVED EQUAL.
- ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE (SEE EXFILTRATION TRENCH DETAIL).
- FIBERGLASS BAFFLES ARE NOT PERMITTED.
- MOUNTING BRACKETS MAY BE ADDED TO FLAT BARS TO EASE INSTALLATION IN ROUND STRUCTURES. SPACING TO MATCH HOLES IN FLAT BARS.

PIPE DIA. (IN)	W ¹ (IN)	W ² (IN)	T (GAUGE)	H (IN)
15"	21"	21"	16	VARIES
18"	24"	24"	16	VARIES
21"	30"	30"	16	VARIES
24"	30"	36"	16	VARIES
30"	36"	42"	14	VARIES
36"	42"	48"	14	VARIES
42"	48"	54"	14	VARIES
48"	54"	60"	14	VARIES
54"	60"	66"	14	VARIES

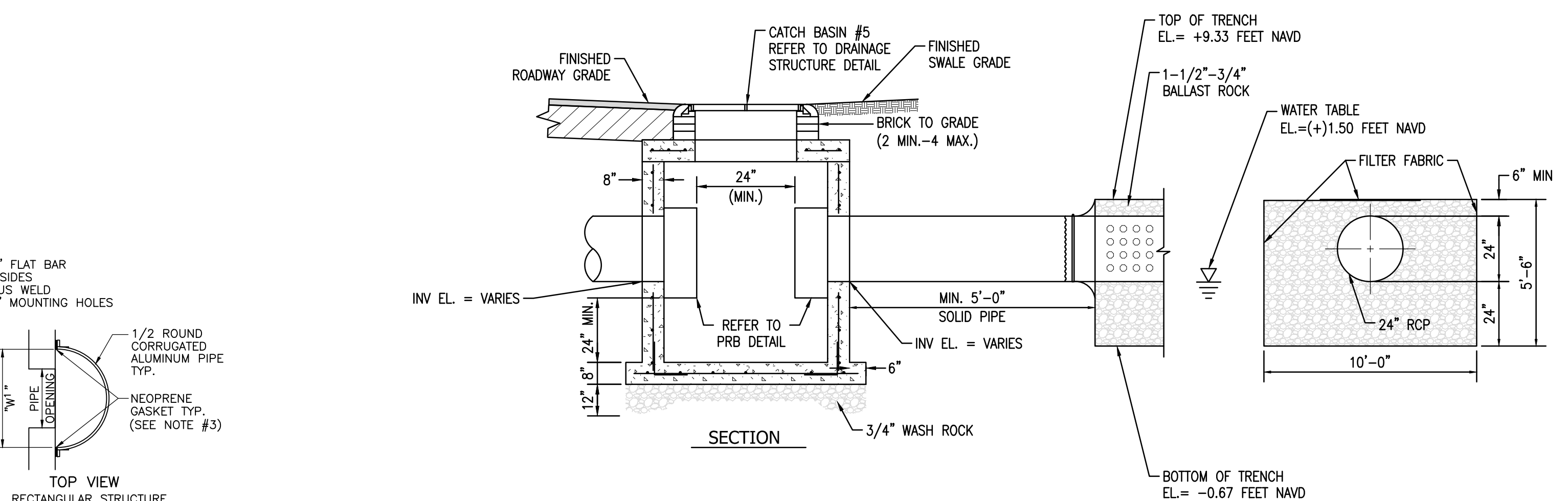
1. RECTANGULAR STRUCTURE
2. ROUND STRUCTURE



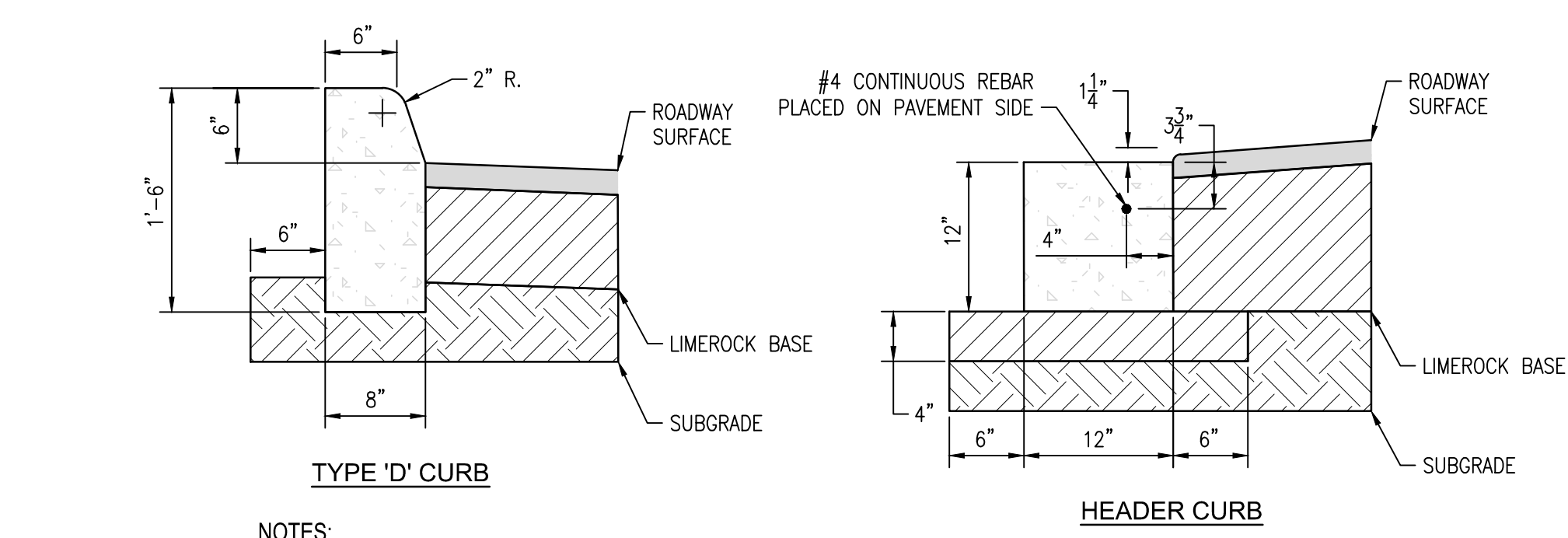
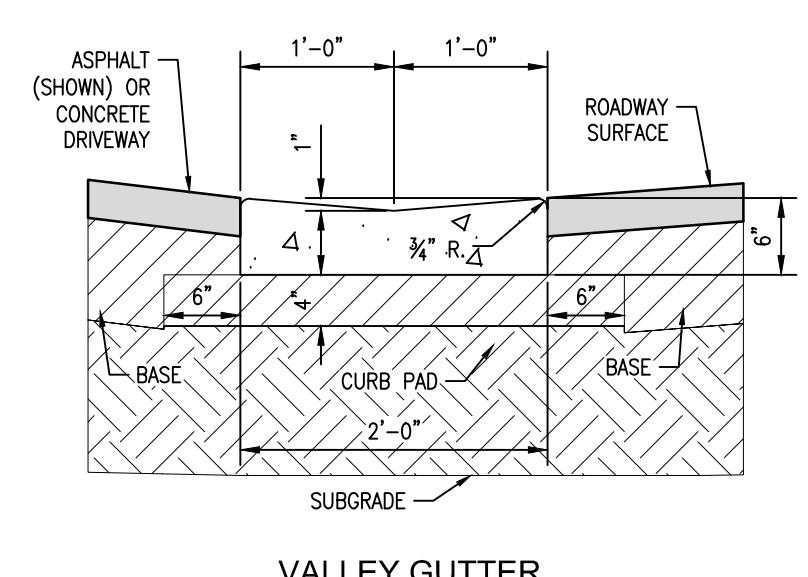
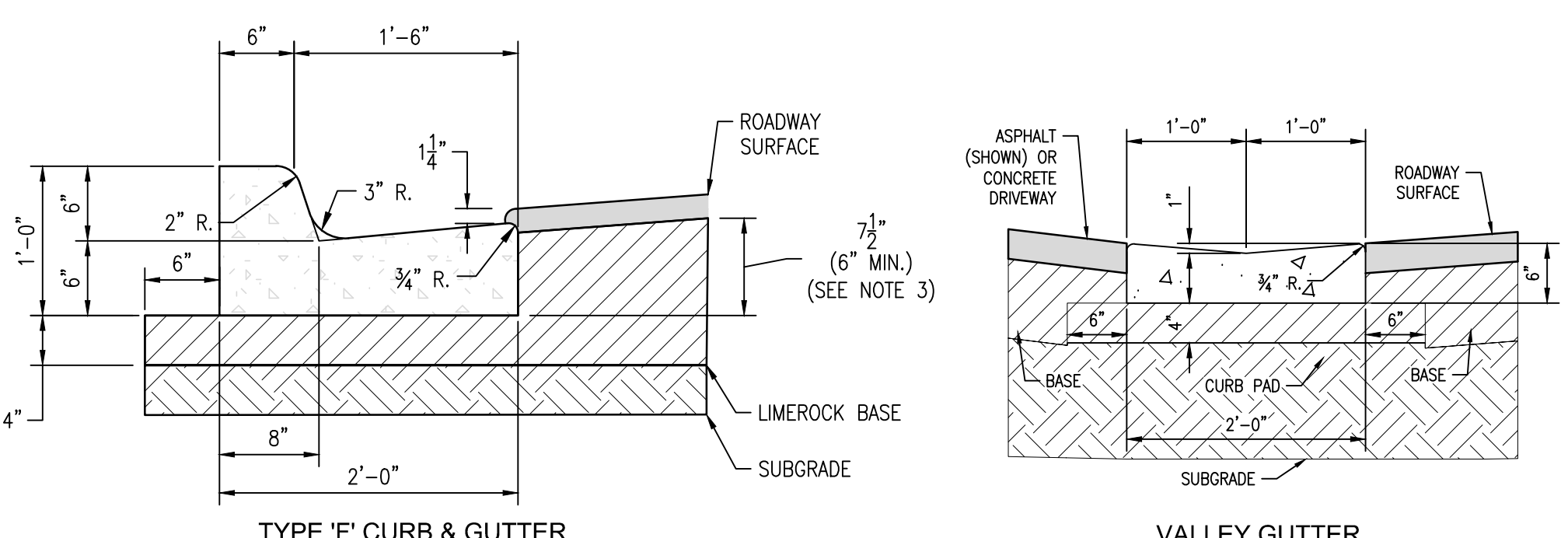
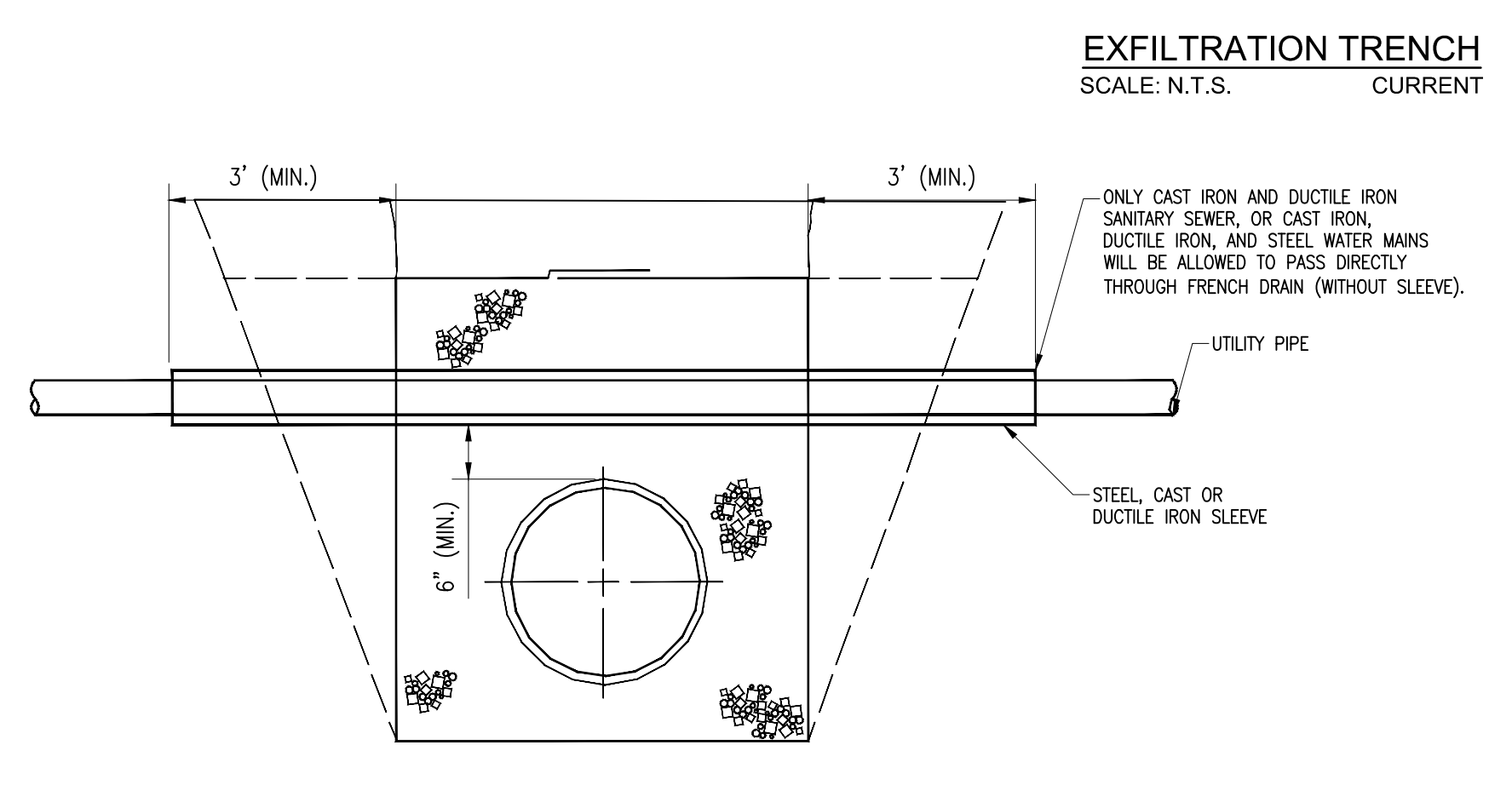
- NOTES:**
- ALL FDOT CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES PLACED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 522.
 - ROWS OF TRUNCATED DOMES IN A DETECTABLE WARNING SURFACE SHALL BE ALIGNED TO BE PERPENDICULAR OR RADIAL TO THE STREET, ROADWAY, OR DRIVEWAY IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 522.
 - SIDEWALKS ABUTTING ROADWAYS SHALL BE INSTALLED WITH A DETECTABLE WARNING SURFACE IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 522.
 - ALL DETECTABLE WARNINGS SHALL BE IN COMPLIANCE WITH FDOT SPECIFICATION SECTION 527.
 - ALL DETECTABLE WARNINGS SHALL BE PRE-FORMED CAST-IN-PLACE TYPE BY ACO OR EPOXY SYSTEM PRODUCTS APPROVED BY FDOT IN THE APPROVED PRODUCTS LIST (APL), STAMPED, MECHANICAL FASTENED, GLUED OR TORCH APPLIED WILL NOT BE ACCEPTED. SUBMIT SHOP DRAWINGS FOR APPROVAL.
 - COLOR SHALL BE SAFETY YELLOW PER FDOT SPECIFICATION SECTION 527.



- NOTES:**
- TACK AND PRIME COATS ARE REQUIRED AND SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 300.
 - ASPHALT INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 334.

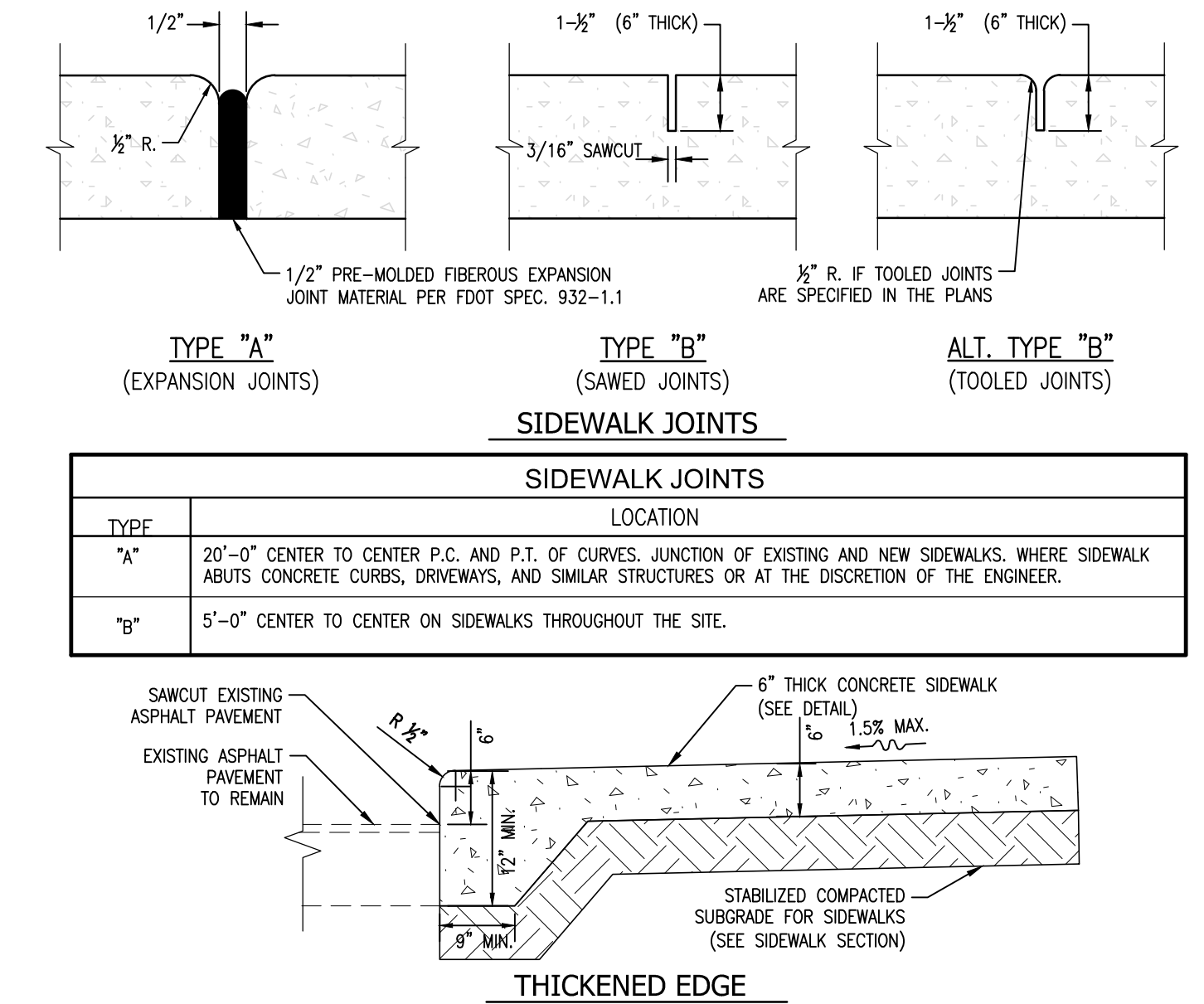
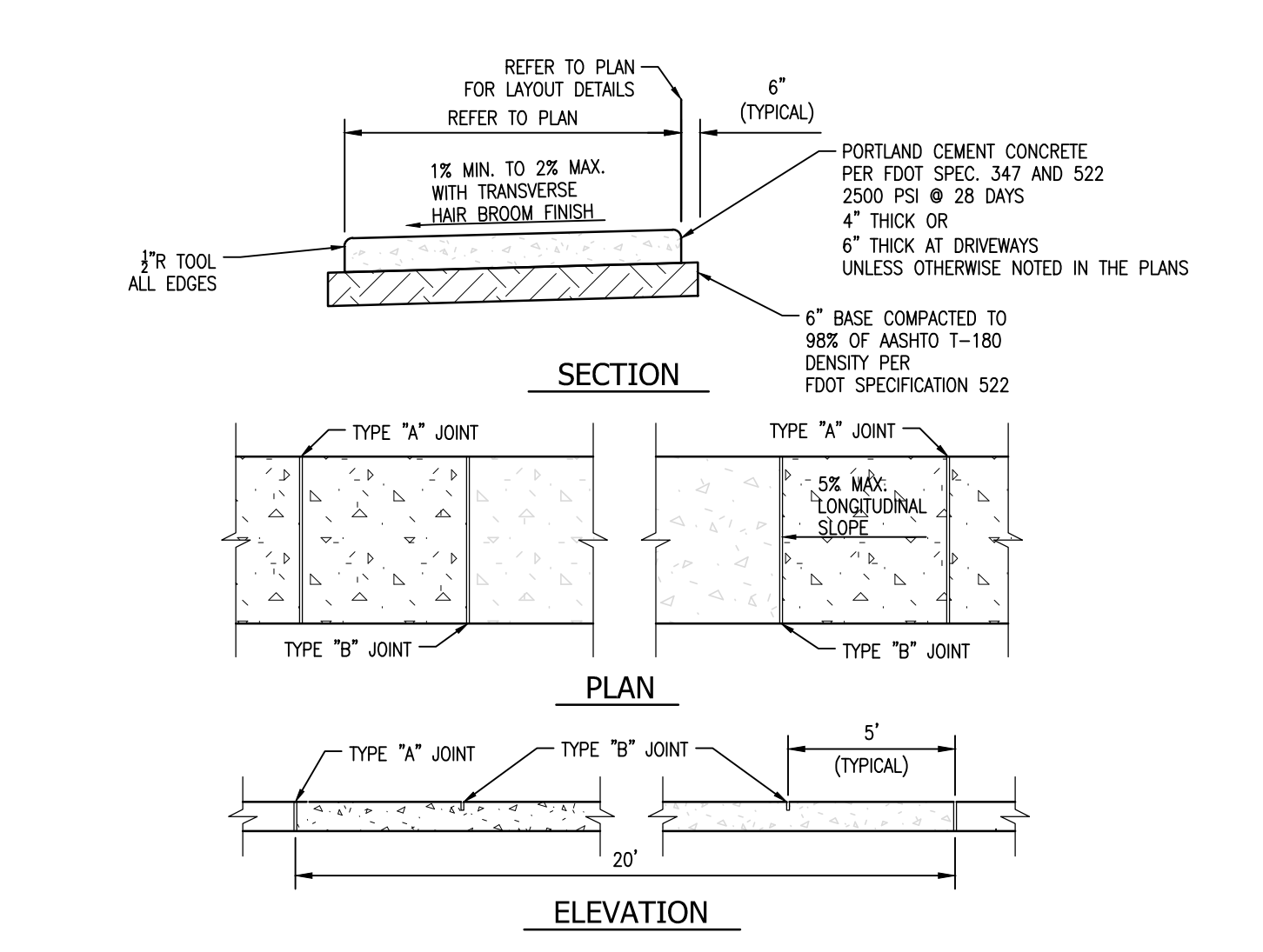


- NOTES:**
- PIPES SHALL TERMINATE 2' FROM END OF TRENCH (CAP ENDS OF PIPE) OR CONNECT TO ADDITIONAL CATCH BASINS AS REQUIRED.
 - SIDES AND TOP OF TRENCH ONLY TO BE LINED WITH FILTER FABRIC. OVERLAP LINDER A MINIMUM OF 2' AT THE TOP OF THE TRENCH.
 - BALLAST ROCK SHALL BE FROM FRESH WATER, WASHED AND FREE OF DELETERIOUS MATTER.
 - ALL EXFILTRATION TRENCHES SHALL HAVE A POLLUTION RETARDANT BAFFLE AT EACH CONNECTION POINT TO A STRUCTURE. (SEE POLLUTION RETARDANT BAFFLE (PRB) DETAIL)
 - GASKETS SHALL BE USED WITH HP IN EXFILTRATION TRENCH.
 - EXFILTRATION TRENCH SHALL BE CONSTRUCTED IN COMPLIANCE WITH FDOT SPECIFICATIONS SECTION 443.

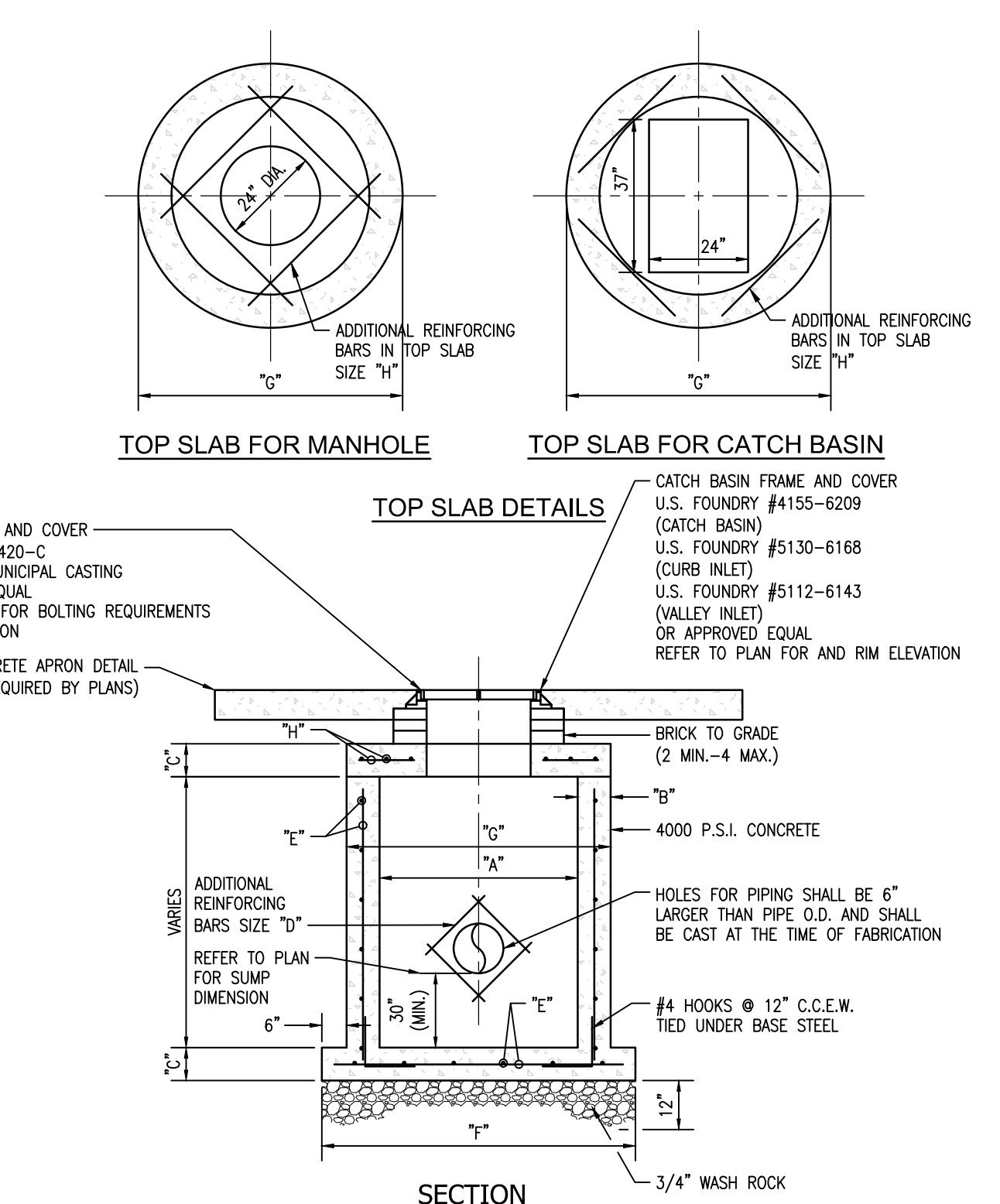


- NOTES:**
- ALL CURBS, GUTTERS AND CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX 520-001 AND SPECIFICATION 520.
 - CONCRETE SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346 HAVING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
 - WHEN USED ON HIGH SIDE OF ROADWAYS, CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE EDGE OF PAVEMENT SHALL MATCH THE LIP OF CURB ELEVATION. THE MINIMUM THICKNESS OF THE LIP SHALL BE 6".
 - REFER TO FLEXIBLE PAVEMENT RESTORATION DETAIL G-12.1 FOR BASE AND SUBGRADE MATERIAL AND INSTALLATION SPECIFICATIONS.
 - BACKFILL BEHIND CURBS TO 2" BELOW TOP OF CURB TO ALLOW FOR SOD OR AS SPECIFIED IN LANDSCAPE PLANS AND SPECIFICATIONS.

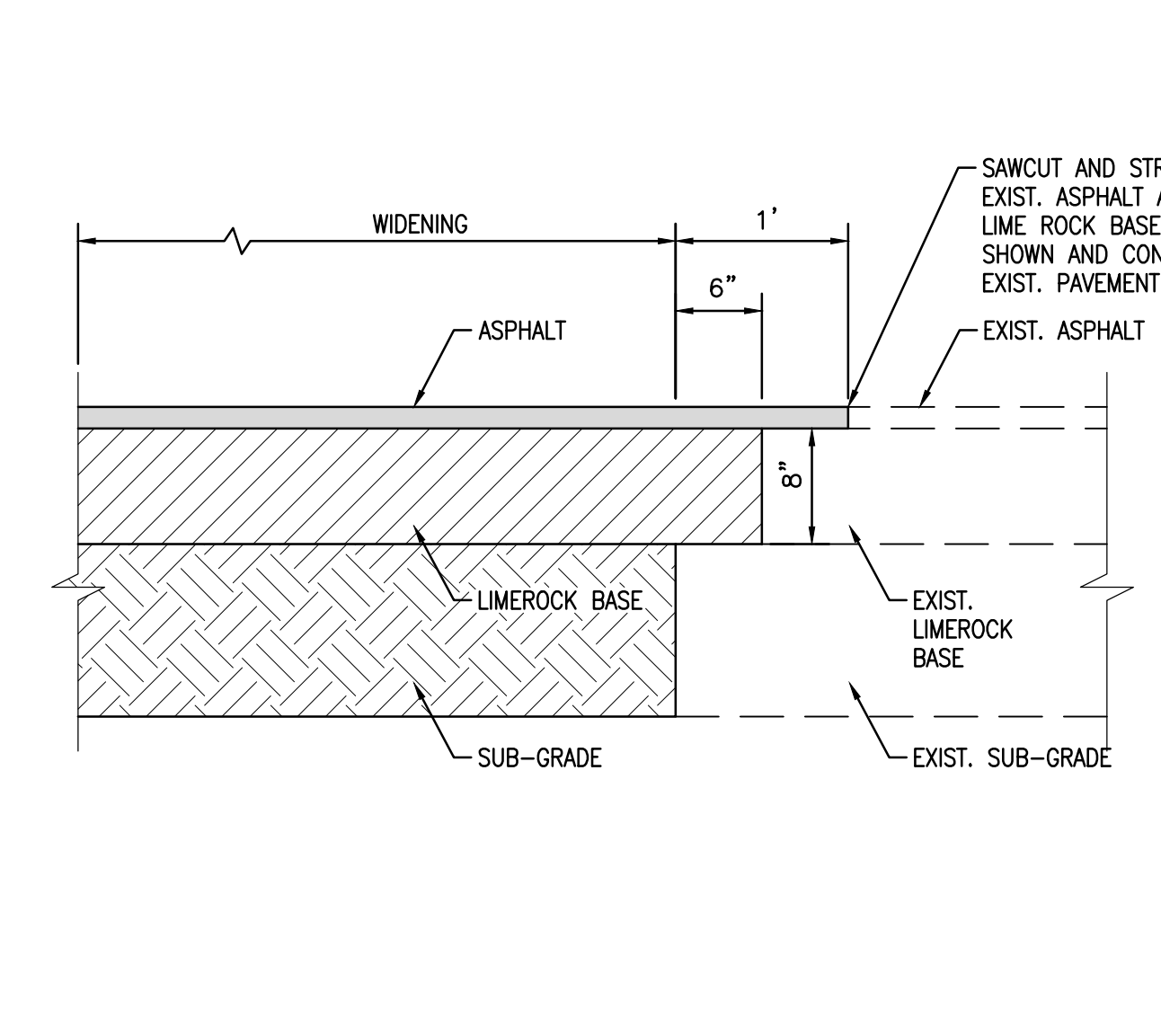
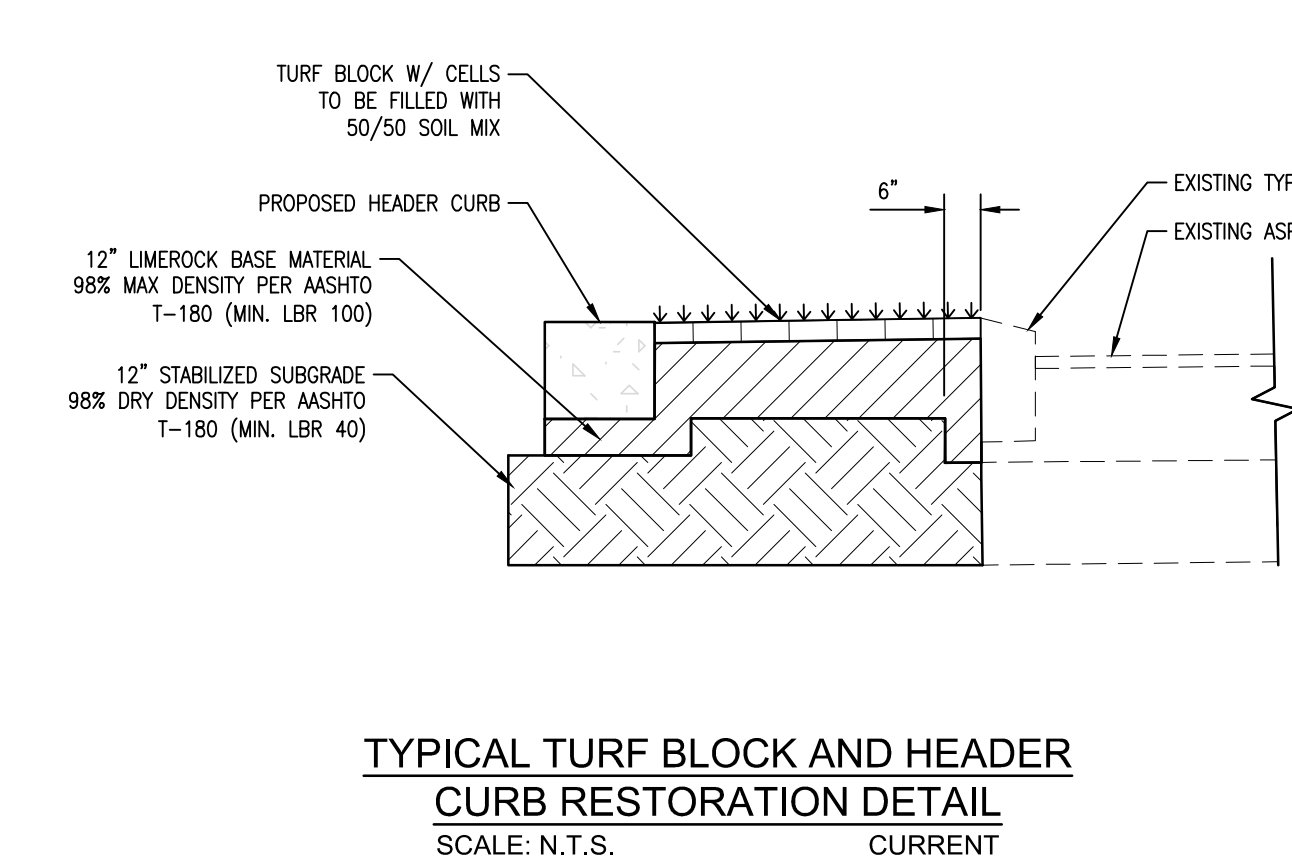
CURB AND CURB & GUTTER DETAILS
SCALE: N.T.S. CURRENT



CONCRETE SIDEWALK
Scale: N.T.S.



PRECAST CIRCULAR MANHOLE
SCALE: N.T.S. CURRENT



CONNECTION WITH EXISTING PAVEMENT
SCALE: N.T.S.



ARCHITECT
HKS ARCHITECTS, INC.
2020 SALZEDO STREET, 4TH FLOOR
CORAL GABLES, FL 33154

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ORLANDO, FL 32801

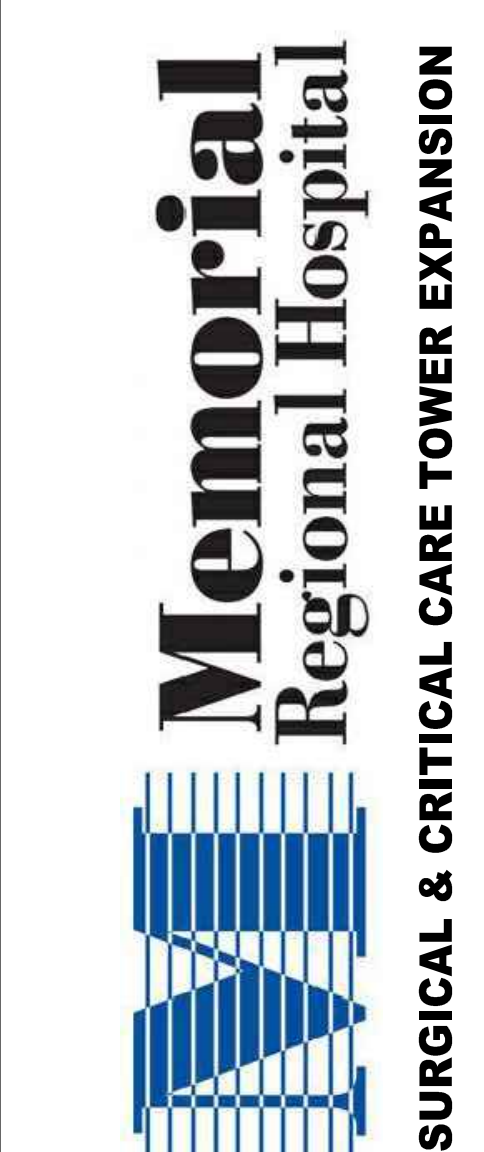
CIVIL & LANDSCAPE
CALVIN GUERINO & ASSOCIATES
1800 ELLER DRIVE, SUITE 600
FORT LAUDERDALE, FL 33316

STRUCTURAL ENGINEER
GMS STRUCTURAL ENGINEERS
14335 COMMERCE WAY
MIAMI LAKES, FL 33016

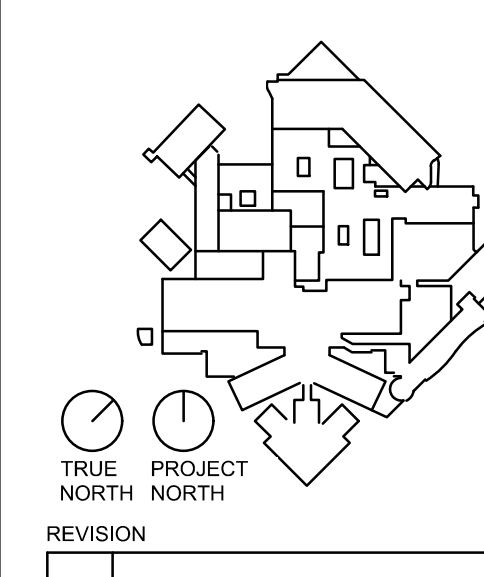
MEP & FIRE PROTECTION
TLC ENGINEERING SOLUTIONS, INC.
800 FAIRWAY DRIVE
DEERFIELD BEACH, FL 33441

TELECOM & EQUIPMENT
SMITH SECHMAN REID, INC.
2995 SISCO DRIVE
NASHVILLE, TN 37204

OWNER
MEMORIAL HEALTHCARE SYSTEM
3501 JOHNSON STREET
HOLLYWOOD, FL 33021



INTERIM REVIEW ONLY
These documents are incomplete, and are released for interim review only and are not intended for regulatory approval, permit, or construction purposes.
Engineer: James D. Messick
P.E. License No.: 70670
Date: 07/03/2024



JAMES D. MESSICK, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 70670.
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES D. MESSICK ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

HKS PROJECT NUMBER
23459.000
DATE
AUGUST 19, 2024
ISSUE
FINAL TAC

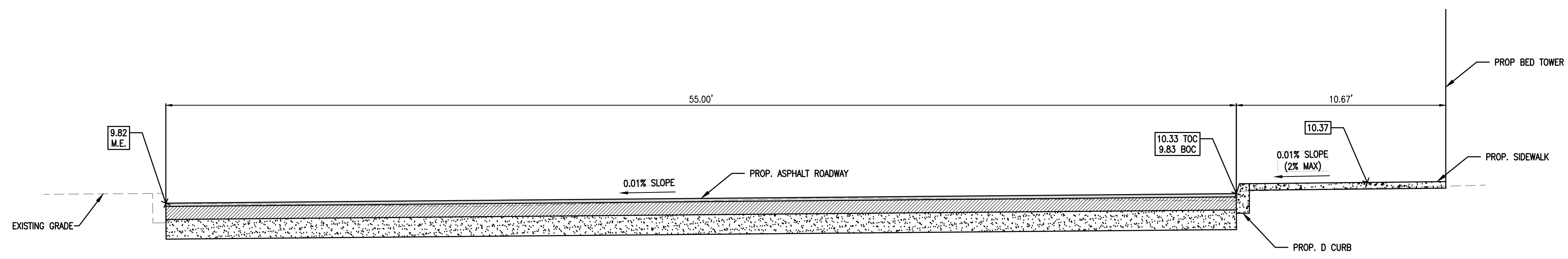
SHEET TITLE
PAVING, GRADING AND DRAINAGE DETAILS

SHEET NO.
C05

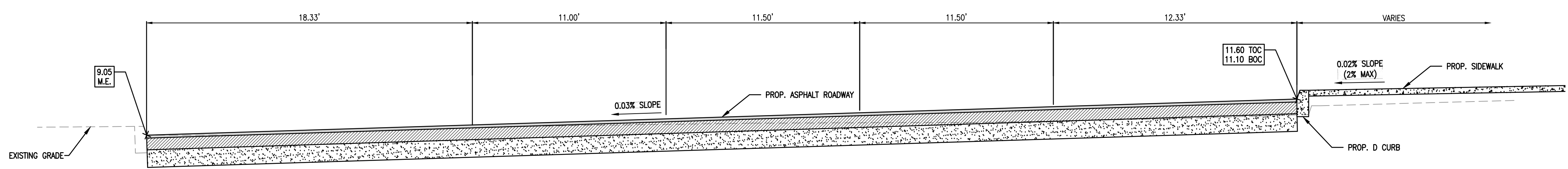
C05 PAVING, GRADING AND DRAINAGE DETAILS
NOT TO SCALE

FINAL TAC
ELEVATIONS ARE IN NAVD 88

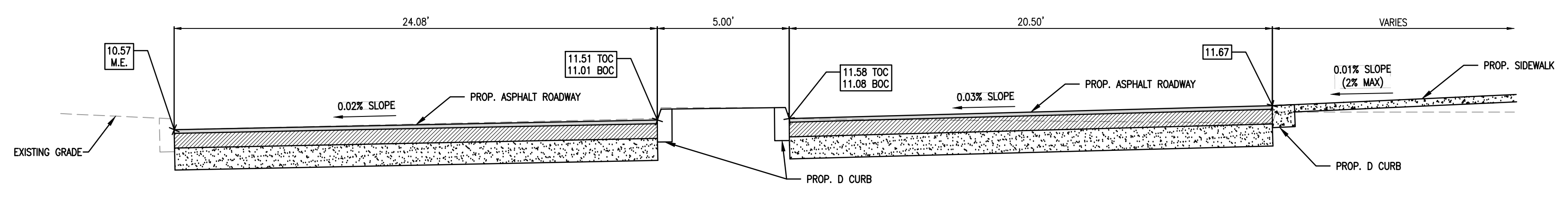
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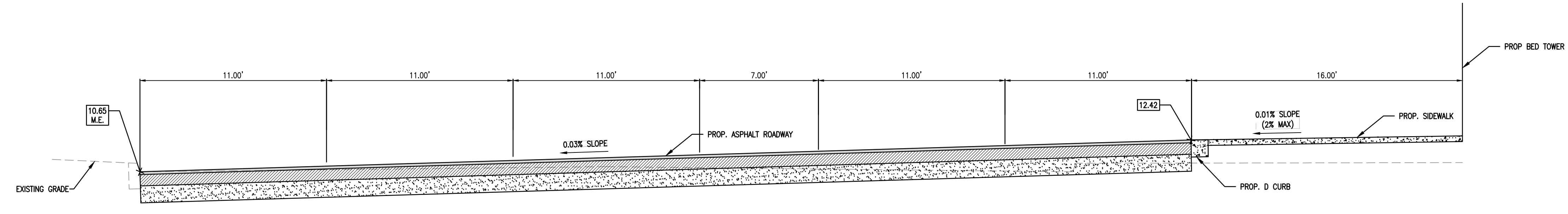
SECTION A-A



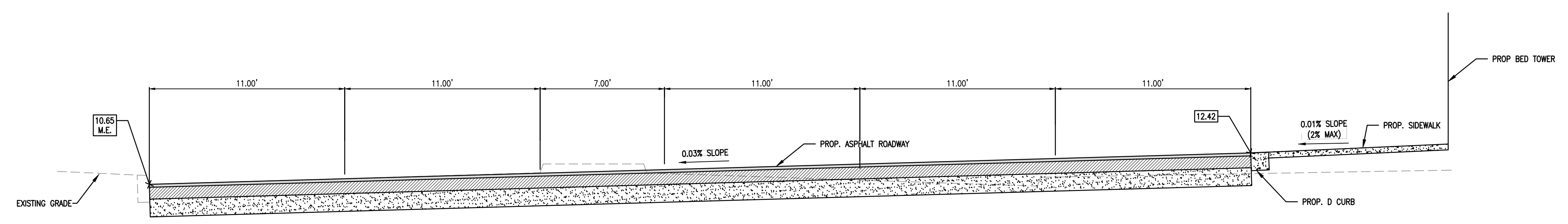
SECTION B-B



SECTION C-C



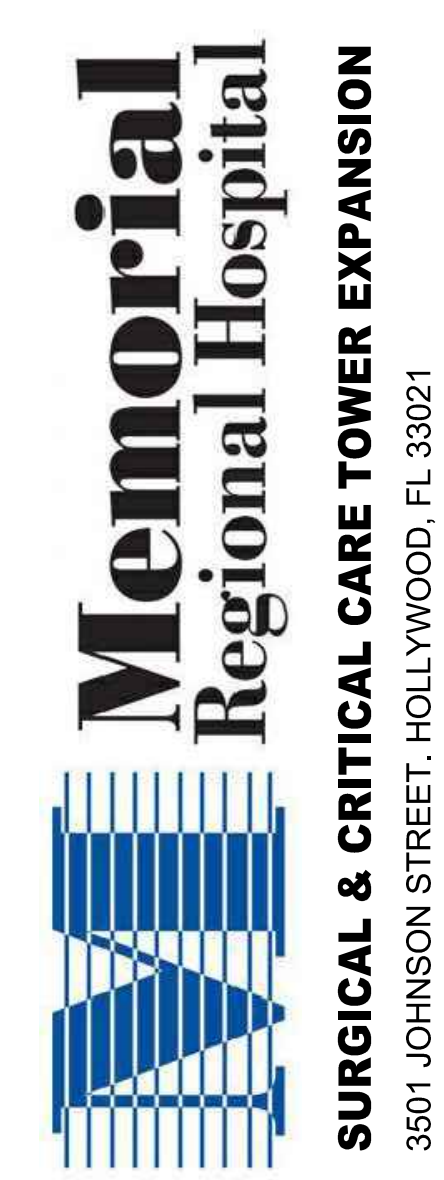
SECTION D-D



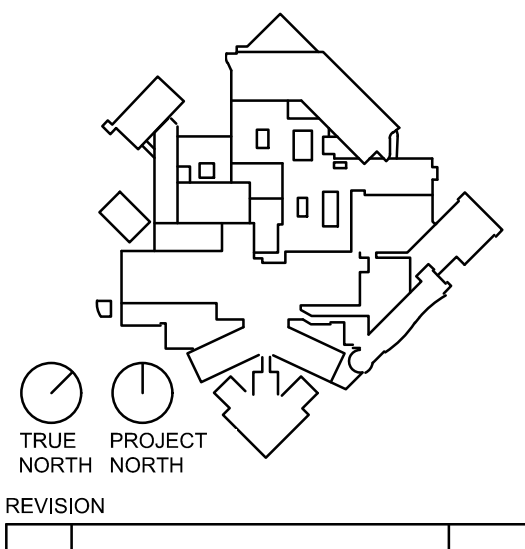
SECTION E-E



ARCHITECT
 HKS ARCHITECTS, INC.
 2020 SALZEDO STREET, 4TH FLOOR
 CORAL GABLES, FL 33134
INTERIOR DESIGNER
 HKS ARCHITECTS
 225 EAST ROBINSON ST, SUITE #405
 ORLANDO, FL 32801
CIVIL & LANDSCAPE
 CALVIN GUERDANO & ASSOCIATES
 1800 ELLER DRIVE, SUITE 600
 FORT LAUDERDALE, FL 33316
STRUCTURAL ENGINEER
 GMS STRUCTURAL ENGINEERS
 14335 COMMERCE WAY
 MIAMI LAKES, FL 33016
MEP & FIRE PROTECTION
 TLC ENGINEERING SOLUTIONS, INC.
 800 FAIRWAY DRIVE
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 MEMORIAL HEALTHCARE SYSTEM
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 HOLLYWOOD, FL 33021



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 Engineer: James D. Messick
 P.E. License No.: 70570
 Date: 07/03/2024



JAMES D. MESSICK, STATE OF FLORIDA,
 PROFESSIONAL ENGINEER, LICENSE NO. 70870.
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HKS PROJECT NUMBER
23459.000
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 ISSUE
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SHEET TITLE
PAVING, GRADING AND DRAINAGE DETAILS

SHEET NO.
C05B

FINAL TAC
 ELEVATIONS ARE IN NAVD 88

C05B PAVING, GRADING AND DRAINAGE DETAILS
 H: 3" = 1'-0"
 V: 3" = 1'-0"