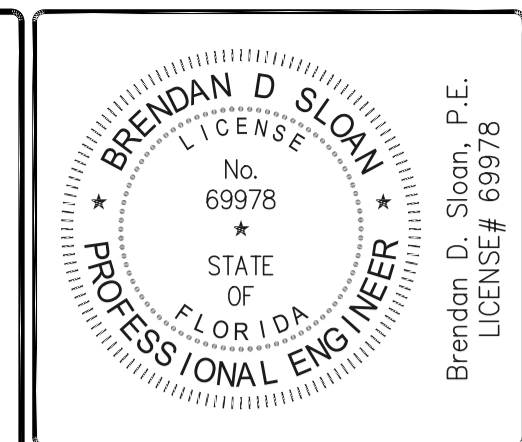
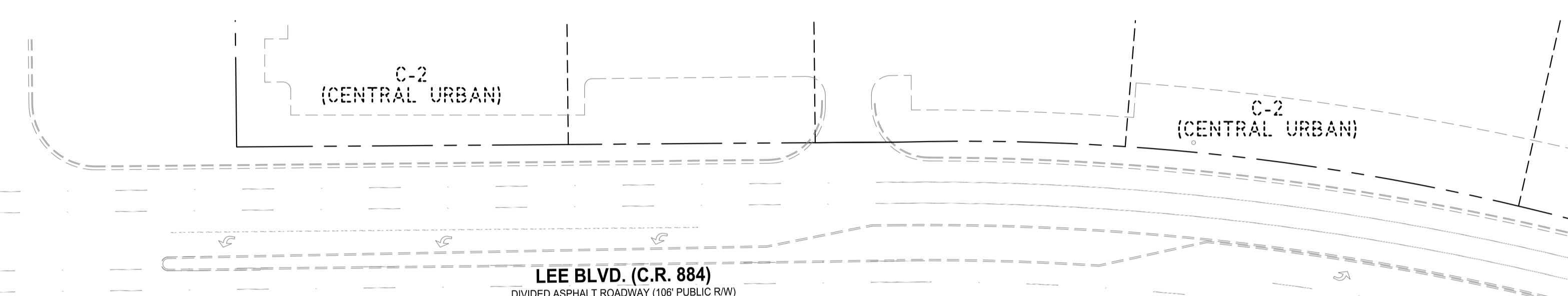


DEVELOPMENT ORDER PLANS
FOR
CHIPOTLE GRILL
(TRACT #3 OF MULTI-COMMERCIAL DEVELOPMENT)
SEC. 25 / TWP. 44S / RGE. 26E
2722 4TH STREET WEST
LEE COUNTY, FLORIDA 33971



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY BRENDAN D. SLOAN, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



SITE DATA:

- PROPOSED SITE: 0.82 AC.±
- SFWM ERP AREA: 3.78 AC.± (ERP: 36-109764-P)

SITE INFORMATION:

ADDRESS: 2722 4TH STREET WEST
LEE COUNTY, FL. 33971
STRAP: #25-44-26-L3-17000.0030

EXISTING ZONING: C-2 (COMMERCIAL)
LAND USE: CENTRAL URBAN
PLANNING COMMUNITY: LEHIGH ACRES

FLOOD ZONE: 'X'
CONTROL ELEVATION: 21.50 NAVD
FIN. FLR. ELEV.: 27.60 NAVD
WATER: FGUA (FLORIDA GOVERNMENTAL UTILITIES)
SEWER: FGUA (FLORIDA GOVERNMENTAL UTILITIES)
IRR: ON-SITE WELL

BUILDING HEIGHT: 20'-8"

BUILDING USE: CHIPOTLE GRILL (PROPOSED)

PROPOSED FLOOR AREA: 2,492 S.F. 7% (40% MAX.)
TYPE OF CONSTRUCTION: V(000)/V-B
FIRE SPRINKLERS: NO
FIRE DISTRICT: LEHIGH ACRES FIRE CONTROL & RESCUE DISTRICT

PROFESSIONAL TEAM

- DEVELOPER**
PALMETTO CAPITAL GROUP, LLC.
1643 WILLIAMSBURG SQUARE
LAKELAND, FL. 33803
- CIVIL ENGINEER/PLANNER**
AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FL. 33904
- LANDSCAPE**
LANDESCO
18197 SANDY PINES CIRCLE
N. FT. MYERS, FL. 33917
- SURVEYOR**
ARDURRA GROUP, INC.
324 NICHOLAS PARKWAY WEST SUITE A
CAPE CORAL, FL. 33991
- ENVIRONMENTAL**
LAND RESOURCE CONSULTANTS, LLC
J. REID HARDMAN
213 EAST PARK AVENUE
LAKE WALES, FLORIDA 33853
- ARCHITECT (TIRESPLUS)**
GPD GROUP
520 S MAIN STREET, SUITE 2531
ACRON, OH. 44311

UTILITY COMPANIES

- TELEPHONE / CABLE**
COMCAST
10600 TAMiami TRAIL #604
NAPLES, FL. 34108
(800) 266-2278
- TELEPHONE / CABLE**
CENTURY LINK (TELEPHONE)
P.O. BOX 1370
FORT MYERS, FL. 33901
(239) 336-2011
- ELECTRIC**
LEE COUNTY ELECTRIC COOPERATIVE, INC.
4980 BAYLINE DR.
N. FT. MYERS, FL. 33917
(239) 656-2296
- WATER, SEWER, IRRIGATION**
FLORIDA GOVERNMENTAL UTILITY AUTHORITY
C/O ACCENTURE, 9400 SOUTHPARK CENTER LOOP.
SUITE 400
ORLANDO, FL. 32819
- REFUSE**
ADVANCED DISPOSAL
5594 6TH STREET WEST
LEHIGH ACRES, FL. 33971
(230) 368-2300
- GAS**
TECO / PEOPLES GAS
5901 ENTERPRISE PARKWAY
FT. MYERS, FL. 33905
(239) 690-5507

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988

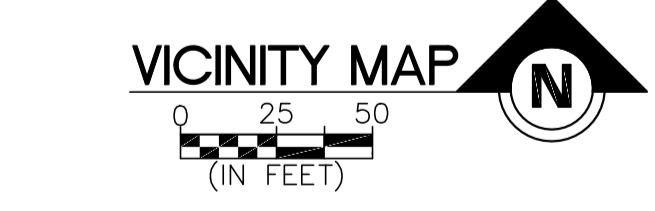
DEWATERING IS NOT AUTHORIZED
****FINAL INSPECTION REQUIRED****
At the completion of the improvements, please submit a Letter of Substantial Compliance to schedule a Final Inspection.

Development Order Approval does not vest nor guarantee that changes will not be required, if subsequent changes are made to the Uniform Lee County Fire Code.

Please Note: Final Development Order does not confer approval for signage

LEE COUNTY DOT RIGHT-OF-WAY PERMIT REQUIRED

REMOVAL OF EXCAVATED FILL MATERIAL FROM THE SITE IS NOT AUTHORIZED



Sunshine811
CALL SUNSHINE (1-800-432-4770)
48 HOURS BEFORE YOU DIG
IT'S THE LAW IN FLORIDA

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THE INFORMATION AND LINEWORK ON THIS SET OF PLANS IS INTENDED TO BE VIEWED IN FULL COLOR OR AS A PDF FILE. PRINTING THIS PLAN SET IN BLACK & WHITE MAY INHIBIT IMPORTANT VISUAL ELEMENTS NECESSARY TO CLEARLY REPRESENT THE PROVIDED INFORMATION.

SHEET INDEX	
1	COVER SHEET
2	GENERAL NOTES AND LEGEND
3	EXISTING CONDITIONS HYDROLOGY MAP
4	EROSION CONTROL AND B.M.P. PLAN
5	MASTER SITE PLAN
6	SITE DIMENSION AND STRIPING PLAN
7	TYPICAL PAVING AND STRIPING DETAILS
8	MASTER DRAINAGE PLAN
9	PAVING, GRADING & DRAINAGE PLAN
10	TYPICAL SECTIONS
11	TYPICAL INLETS AND DRAINAGE DETAILS
12	UTILITY PLAN
13	LEE COUNTY UTILITY DETAILS (A)
14	LEE COUNTY UTILITY DETAILS (B)
15	PUMP STATION (PS-1) DETAILS (A)
16	PUMP STATION (PS-1) DETAILS (B)
17	PHASING PLAN
LANDSCAPE AND IRRIGATION PLAN (BY OTHERS)	
LIGHTING PLAN (BY OTHERS)	
SURVEY (BY OTHERS)	

FRANCHISE STORE #5254

VERTICAL ELEVATIONS BASED ON: NAVD 88

DATE: 07/09/24 BY: B.D.S. INITIAL: B.D.S. REVISION DESCRIPTION: INITIAL DO SUBMITTAL / FIRST DO SUBMITTAL / 07/23/24 B.S. / FIRST DO SUBMITTAL

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 OF 2722 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

GENERAL CONSTRUCTION NOTES

- 1. ALL ELEVATIONS REFER TO N.A.V.D. MEAN SEA LEVEL 1988
2. CONTRACTOR SHALL LOCATE AND VERIFY THE SIZE, LOCATION AND DEPTH OF ALL EXISTING UTILITIES IN THE FIELD AND SHALL NOTIFY THE UTILITY COMPANIES IN THE AREA BEFORE BEGINNING CONSTRUCTION...
3. ALL MATERIALS AND WORKMANSHIP UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT CONSTRUCTION STANDARDS, SPECIFICATIONS AND DEVELOPMENT STANDARDS, OF THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE NOTED.
...
17. ALL PREVIOUS AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE GRASSED, SODDED OR MULCHED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN.
18. ALL WATERLINES & FIRE SERVICE SHALL BE INSTALLED WITH A MINIMUM OF 30 INCHES OF COVER.
19. WHERE WATER & SEWER MAINS CROSS THE MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES. WHERE THIS IS NOT POSSIBLE THE WATERLINE SHALL BE ENCASED IN A PVC SLEEVE 10 FEET EITHER SIDE OF THE POINT OF CROSSING.

MISC. NOTES

- 1. THE SIZES AND LOCATIONS OF THE UNDERGROUND ELECTRIC CONDUITS, SLEEVES, TRANSFORMERS, ENCLOSURES, LIGHT POLES AND OTHER APPURTENANCES ARE BASED UPON THE DESIGN PROVIDED BY THE LEE COUNTY ELECTRIC COOPERATIVE (LCEC). THE LCEC SHALL VERIFY ACTUAL LOCATION, SIZE AND DEPTH PRIOR TO INSTALLATION OF THEIR FACILITIES. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE CONSTRUCTION OF THE OTHER SITE-RELATED IMPROVEMENTS (I.E. PAVING, DRAINAGE, WATER, SEWER, ETC.) WITH THE VERIFIED LAYOUT BY LCEC.
2. OUTDOOR LIGHTING SHALL COMPLY WITH ALL LEE COUNTY'S CODES, STANDARDS AND REGULATIONS, AND SHALL BE DESIGNED IN A FASHION TO PROVIDE ADEQUATE VISIBILITY WITHIN THE DEVELOPMENT WHILE NOT ADVERSELY IMPACTING ADJOINING PROPERTIES. PRIOR TO ISSUANCE OF ANY BUILDING PERMIT, SITE LIGHTING PLAN AND PHOTOMETRIC PLAN SHALL BE SUBMITTED AND APPROVED BY THE CITY OF CAPE CORAL.
3. PLANTINGS AT BOTTOM OF RETENTION/DETENTION AREAS I.E. TREES, PALMS AND SHRUBS, MUST NOT INTERFERE WITH THE VOLUME OF STORMWATER STORAGE, OR IMPEDE THE FLOW OF RUNOFF. TREES AND SHRUBS MUST NOT INTERFERE WITH THE REQUIRED SIDE SLOPES AND SHALL NOT BE PLANTED ON SLOPES GREATER THAN 3:1. RETENTION/DETENTION AREAS MUST BE STABILIZED WITH SOD UNLESS AN ALTERNATIVE METHOD IS SPECIFICALLY PERMITTED PRIOR TO PLANS APPROVAL. NO ORGANIC MULCH WILL BE PERMITTED IN RETENTION/DETENTION AREAS. LAND USE REGULATION 5.2

GEOTECH REPORT NOTE:

THE SITE CONTRACTOR SHALL BECOME FAMILIAR WITH THE GEOTECHNICAL REPORT IF ONE WAS PREPARED. THE CONTRACTOR SHALL COMPLY WITH ALL THE SITE PREPARATION AND OTHER SITE RELATED ITEMS, RECOMMENDATIONS AND PROCEDURES.

NOTE:
1.) ALL EXISTING AND PROPOSED GRADES SHOWN REFER TO N.A.V.D. 1988

GENERAL UTILITIES NOTES (LCU)

- 1. ALL WORK SHALL CONFORM TO LATEST REVISION OF THE LCU DESIGN MANUAL WHICH IS AVAILABLE ON OUR WEB-PAGE VIA THE FOLLOWING LINK: HTTPS://WWW.LEEGOV.COM/UTILITIES/DESIGN-MANUAL
2. ALL REGULATORY AND PERMITTING AGENCIES' REQUIREMENTS SHALL BE COMPLIED WITH AS WELL.
3. ANY QUANTITIES SHOWN ON PLANS ARE NOT VERIFIED BY LCU.
4. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS THAT MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
...
26. LCU REQUIRES THERE TO BE A MINIMUM OF FIVE (5) FEET HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND DRAINAGE INFRASTRUCTURE, MITERED END SECTIONS, INLETS, ETC. LCU ALSO REQUIRES MINIMUM OF FIVE (5) HORIZONTAL SEPARATION BETWEEN LCU INFRASTRUCTURE AND ALL NEW LIGHT POLE FOUNDATIONS.

GENERAL UTILITIES NOTES (LCU) (CONTINUED)

- 27. THE ROOT BALL OF PALM TREES SHALL BE A MINIMUM OF FIVE (5) FEET AND THE ROOT BALL OF SHADE TREES SHALL BE A MINIMUM OF TEN (10) FEET FROM ANY EXISTING OR PROPOSED LCU OWNED AND MAINTAINED PIPE/INFRASTRUCTURE.
28. AS THE WORK PROGRESSES THE CONTRACTOR SHALL RECORD ALL CHANGES AND DEVIATIONS FROM THE LCU STAMPED/APPROVED CONSTRUCTION PLANS. IN ADDITION, HE OR SHE SHALL RECORD THE EXACT LOCATION OF ALL CHANGES IN VERTICAL AND HORIZONTAL ALIGNMENT WITH COORDINATES WITH RESPECT TO THE NAVD 1988 STATE PLANE FLORIDA WEST COORDINATE SYSTEM AS WELL AS ALL REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL. THIS INFORMATION IS TO BE FORWARDED TO THE ENGINEER OF RECORD WHO PREPARED, SIGNED AND SEALED THE APPROVED CONSTRUCTION PLANS SO THAT HE CAN PREPARE 'RECORD DRAWINGS' PER THE REQUIREMENTS SET FORTH IN THE LCU DESIGN MANUAL.

GENERAL UTILITIES NOTES (FGUA)

- 1. ALL CONSTRUCTION SHALL MEET LEE COUNTY STANDARDS AND SPECIFICATIONS AS APPLICABLE.
2. AN FGUA REPRESENTATIVE IS TO BE PRESENT DURING CONNECTIONS TO EXISTING FACILITIES WITH 72-HOUR NOTIFICATION.
3. ALL UTILITIES WITHIN THE PROPERTY LINES WILL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.
4. ANY UTILITIES (PIPES, VALVES, AND ASSOCIATED HARDWARE) TO BE CONVEYED TO FGUA WILL BE LOCATED WITHIN AN EXISTING PUBLIC UTILITY EASEMENT, RIGHT-OF-WAY (ROW) AND/OR A DEDICATED FGUA UTILITY EASEMENT.
...
26. LCU REQUIRES THERE TO BE A MINIMUM OF TEN (10) FEET HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN POTABLE WATER & SANITARY SEWER MAINS. LCU ALSO REQUIRES MINIMUM OF TEN (10) FEET HORIZONTAL SEPARATION BETWEEN OTHER PUBLIC AND/OR PRIVATE UTILITIES, STRUCTURE(S), BUILDING(S), WALL(S), FOUNTAIN(S), FENCE(S) AND LCU INFRASTRUCTURE UNLESS SPECIFICALLY APPROVED BY LCU.

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County CDC
7/23/2024

MISC. UTILITY NOTES:

- 1. WATER PIPE 2" AND SMALLER TO BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D-1785, PVC CLASS 1120 OR 1220 SCHEDULE 40 OR 80, 30" MINIMUM COVER. WATER PIPE GREATER THAN 2" UP TO AND INCLUDING 10" DIAMETER SHALL BE AWWA D-900, CLASS 150, DR-18, MINIMUM 30" COVER. ALL APPURTENANCES USED SHALL BE NSF ANSI-GI AND OR ANSI-14 APPROVED PER CONTRACT.
2. GRAVITY SEWER PIPE 4" DIAMETER AND GREATER SHALL BE PVC AND SHALL CONFORM TO ASTM D-3034, SDR 26, 3 FOOT MINIMUM COVER, UNLESS OTHERWISE SHOWN. FORCE MAIN PIPE SHALL BE AWWA C-900, CLASS 150, DR-18, MINIMUM 30" COVER.
3. WHERE WATER AND SEWER MAINS CROSS THE MINIMUM VERTICAL SEPARATION SHALL BE 18 INCHES. WHERE THIS IS NOT POSSIBLE, THE SEWER MAIN SHALL BE ENCASED IN CONCRETE 10 FEET EITHER SIDE OF THE POINT OF CROSSING (SEE DETAIL FOR OTHER OPTIONS). THE CONTRACTOR SHALL COMPLY WITH RULE 62-555.345 FAC. SEE CROSSING DETAILS.

FIRE FLOW CALC'S:

REFER TO ARCH./FIRE PROTECTION PLANS FOR DESIGN, NOTES, DETAILS AND FIRE FLOW RATING AND CALCULATIONS

FIRE SERVICE NOTES:

FIRE SERVICE LAYOUT AND/OR DETAILS SHOWN FOR INFORMATION PURPOSES ONLY. ALL FIRE SERVICE MAINS, CONNECTIONS, DETAILS AND SPECIFICATIONS SHALL BE DESIGNED BY FIRE PROTECTION ENGINEER AND INSTALLED BY A LICENSED FIRE SPRINKLER CONTRACTOR AND SHALL BE INSPECTED, VERIFIED AND APPROVED BY THE LOCAL FIRE DEPARTMENT AS REQUIRED. ALL UNDERGROUND FIRE MAIN CONSTRUCTION SHALL CONFORM TO NFPA 13, CHAPTER 10 AND NFPA 24. REFER TO ARCH./FIRE PROTECTION PLANS FOR ADDITION INFORMATION.



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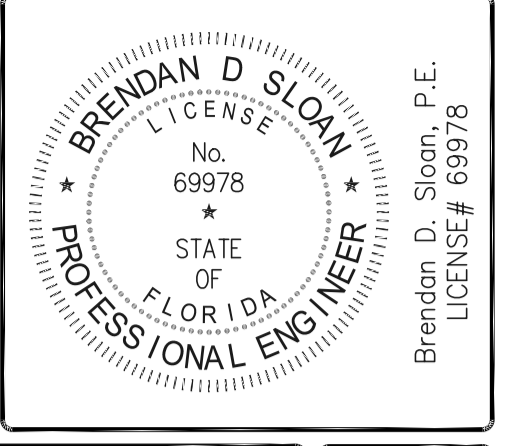
LEGEND

Table with 3 columns: Symbol, Description, and Symbol. Includes entries for Zoning and Landuse, Exist. Water Main & G.V., Prop. Water Main & G.V., Meter and/or Backflow Device, Fire Hydrant Assembly, Prop. D.I.P. Water Line, Exist. Irrigation Main & G.V., Prop. Irrigation Main & G.V., Exist. Fire Main & G.V., Prop. Fire Main & Service, Exist. Sanitary Sewer Main (SDR 26 PVC) and Manhole, Prop. Sanitary Sewer Main (SDR 26 PVC) and Manhole, Sanitary Sewer Lateral w/ Cleanout, Exist. Sewer Force Main, Prop. Sewer Force Main, Exist. Storm Drain & Inlet, Prop. Storm Drain & Inlet, Prop. Yard Drain, Structure I.D., Detention Areas, (2) 4" PVC Sleeves at 24" Min. Cover, Existing Elevation, Drainage Flow Arrow, Proposed Electric Car Charging Post with Sign, Proposed Bike Rack, Proposed Elevation (Hard Surface), Proposed Elevation (Ground), Light Pole (by Others), Handicap Ramp (12:1 Max. Slope), Rock Boulder Strip-rap over Filter Fabric, Power Pole w/Overhead Lines, Transformer Pad (by Others, Coordinate w/Elec. Company), Phone/Cable Box (by Others), Concrete, Detectable Warning Material, Heavy Duty Asphalt Pavement (See Sections), Typical Asphalt Pavement (See Sections).

** ALL DESIGN ELEVATIONS WITHIN CITY R/W INCLUDING PAVEMENT, WALKS, DRIVES & ALLEYS ARE TO BE COORDINATED WITH CITY PUBLIC WORKS DEPT. PRIOR TO CONSTRUCTION.

NOTE:
SEWER, WATER/IRRIGATION SERVICES AND FIRE HYDRANT ASSEMBLIES ARE SHOWN IN A SCHEMATIC FORMAT FOR CLARITY. REFER TO SEWER & WATER/IRRIGATION DETAIL SHEETS FOR PLACEMENT OF SERVICES AND HYDRANTS.

VERTICAL ELEVATIONS BASED ON: NAVD 88



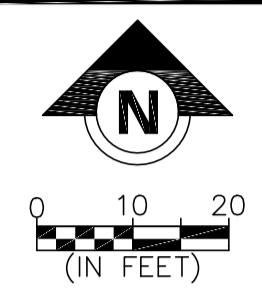
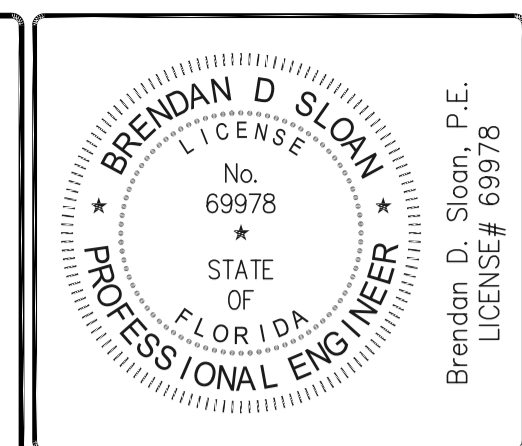
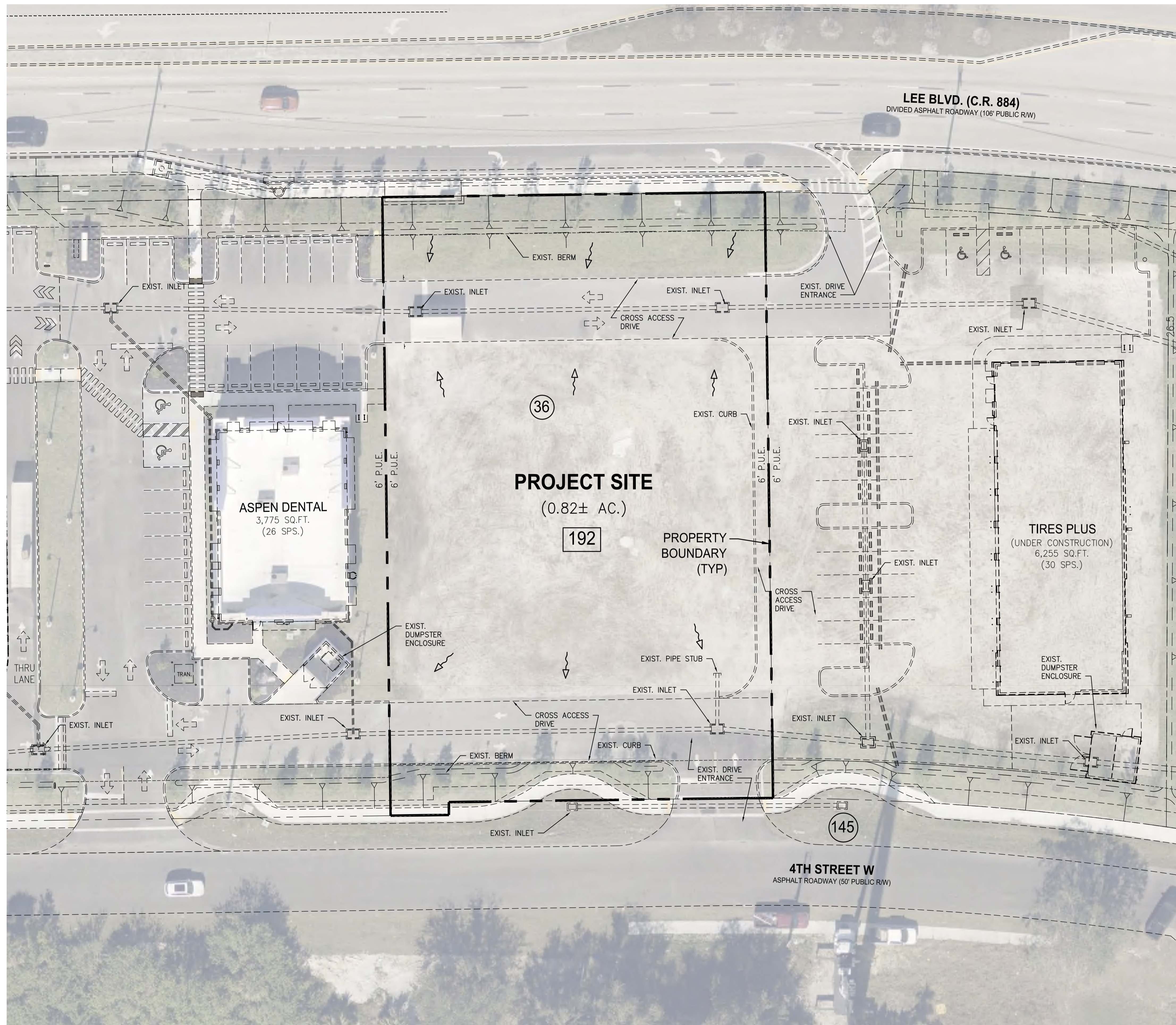
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

Table with 2 columns: Date, Revision Description. Includes entries for 02/09/24 Initial DOW Submittal and 04/23/24 LBS Initial DOW Submittal.

AYALON ENGINEERING, INC.
2803 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
(239) 731-2077
FBPE#43128

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
1982 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

GENERAL NOTES AND LEGEND



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

DATE	BY	REVISION DESCRIPTION
07/09/24	BS	INITIAL DD SUBMITTAL
04/23/24	BS	AS FIRST DD SUBMITTAL

AVALLON ENGINEERING, INC.
2803 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBFE#43128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 1923 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024

SOIL LEGEND

- 36 IMMOKALEE SAND - URBAN LAND COMPLEX
- 145 GATOR MUCK, PONDED - URBAN LAND COMPLEX

FLUCCS

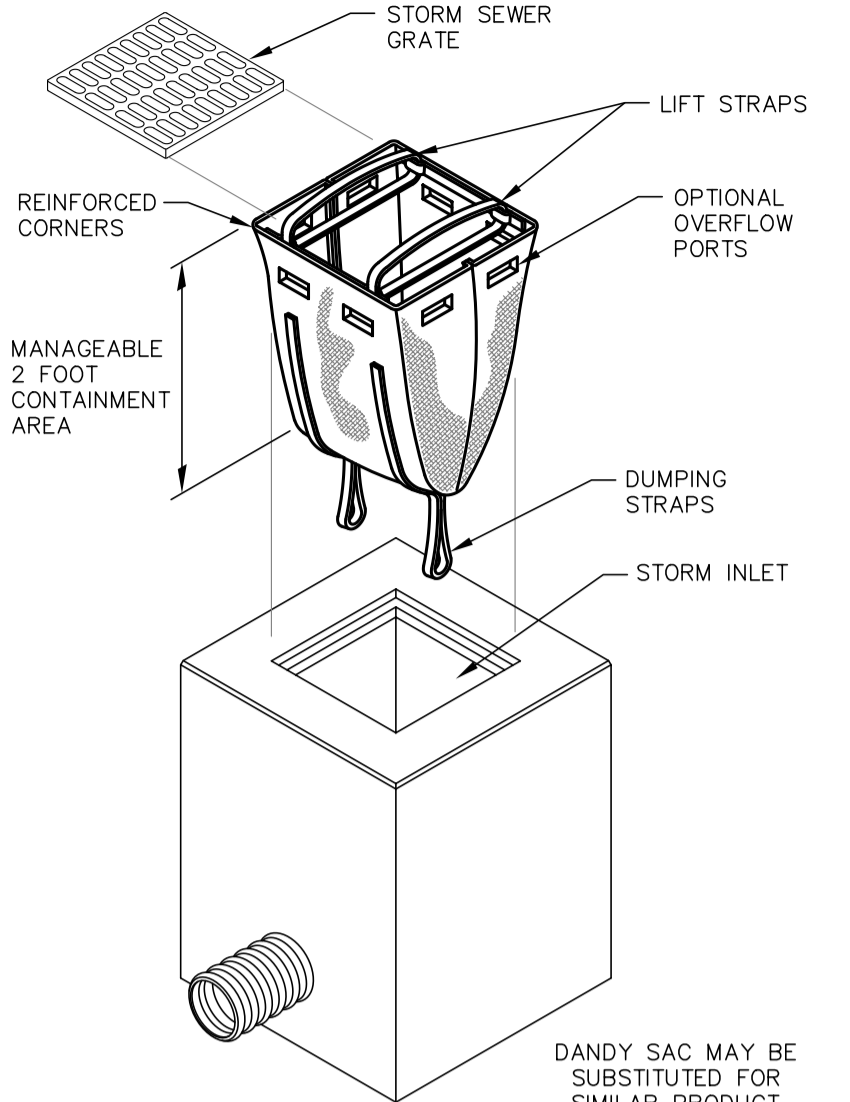
- 192 INACTIVE LANDS W/STREET PATTERNS BUT WITHOUT STRUCTURES (URBAN)

LEGEND

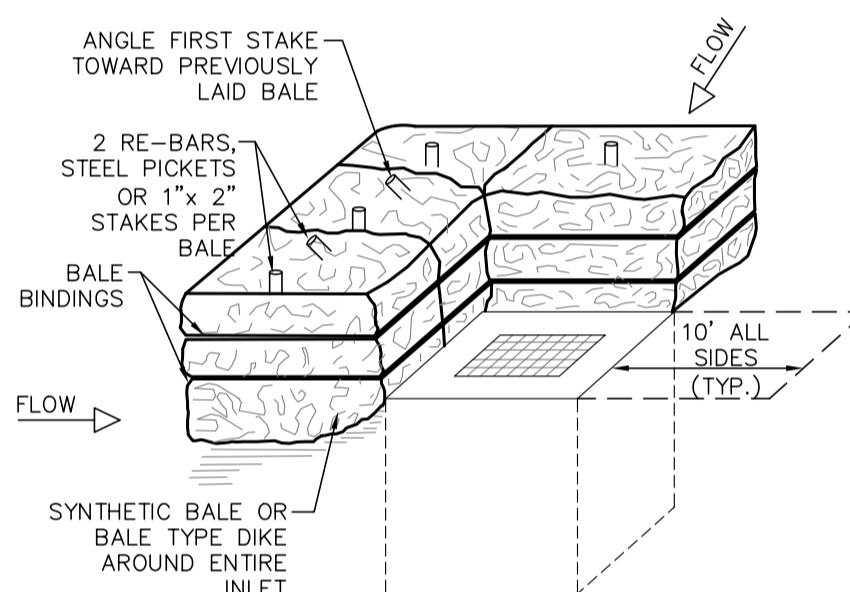
- EXISTING DRAINAGE FLOW ARROW

FLOOD ZONE DESCRIPTION

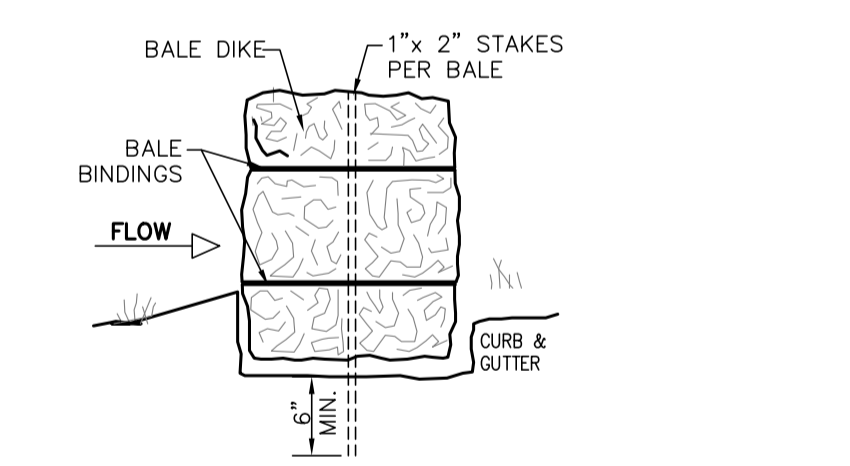
RELATIVE FLOOD ZONE: 'X'
MINIMUM F.F.E. TO BE 1 FOOT HIGHER THAN FLOOD ZONE ELEVATION.



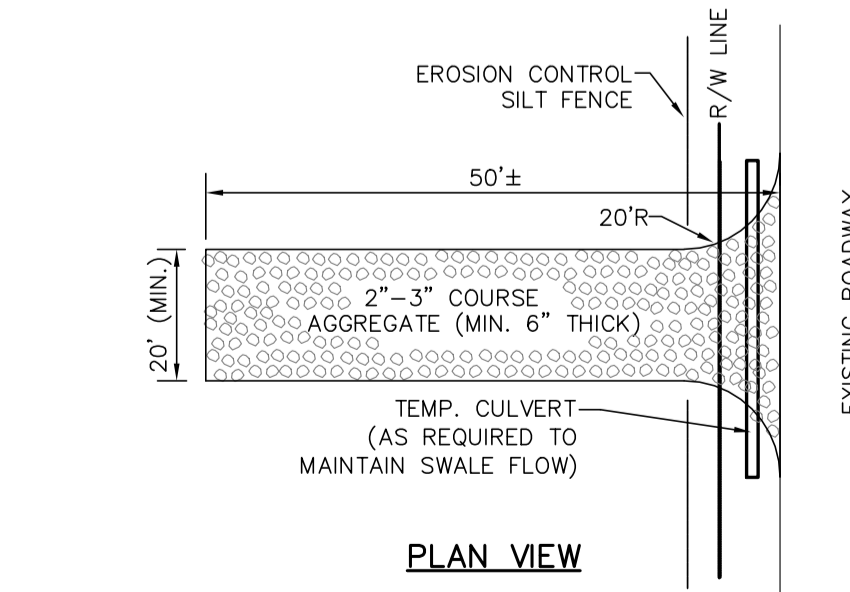
DANDY SACK™ INLET PROTECTION
N.T.S.



**ANCHORING DETAIL
SYNTHETIC BALE PLACEMENT**
N.T.S.



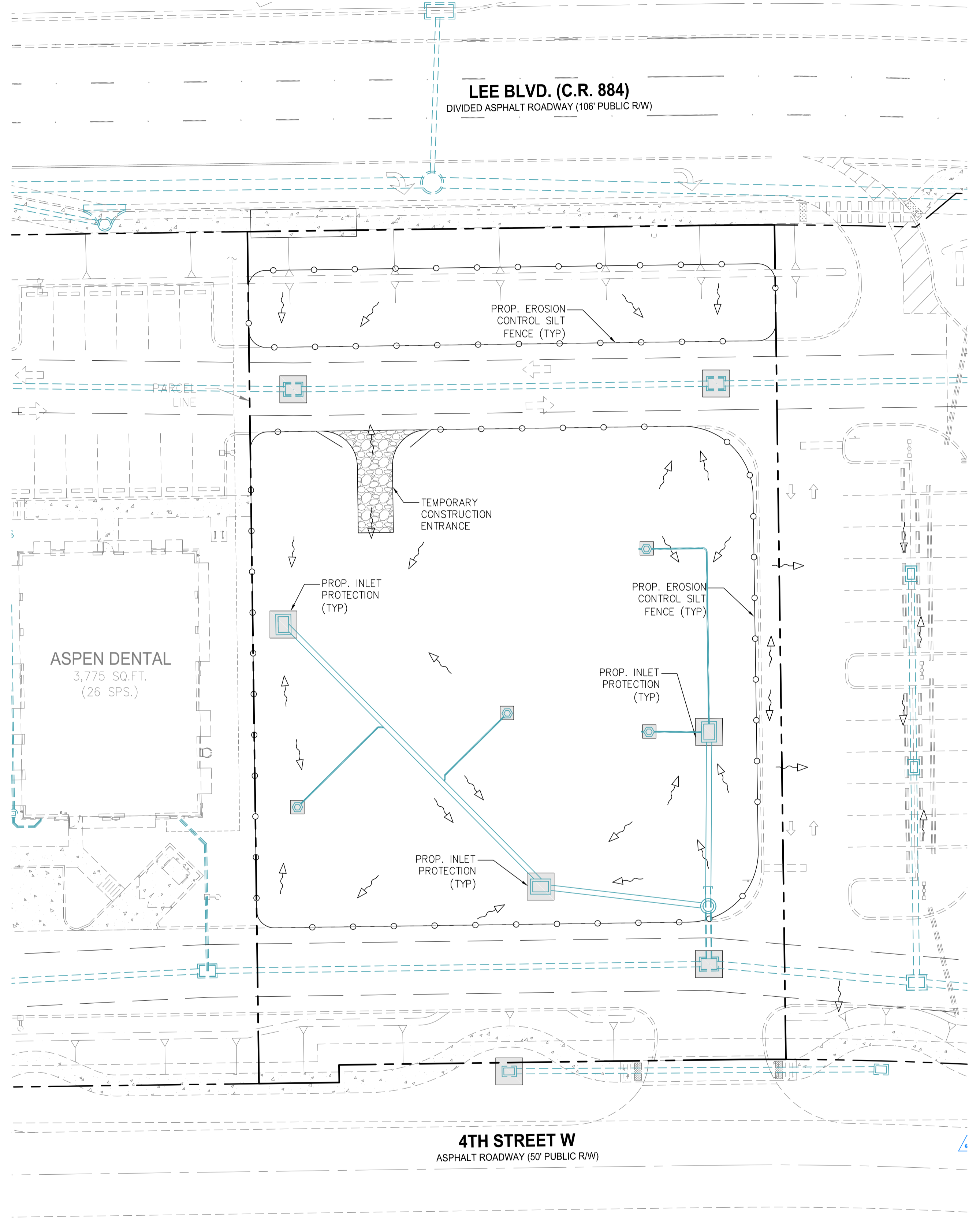
BEDDING DETAIL
N.T.S.



NOTE:

1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC R/W. 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 R/W.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED W/ CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMP. CULVERT • CONSTRUCTION ENTRANCE
N.T.S.



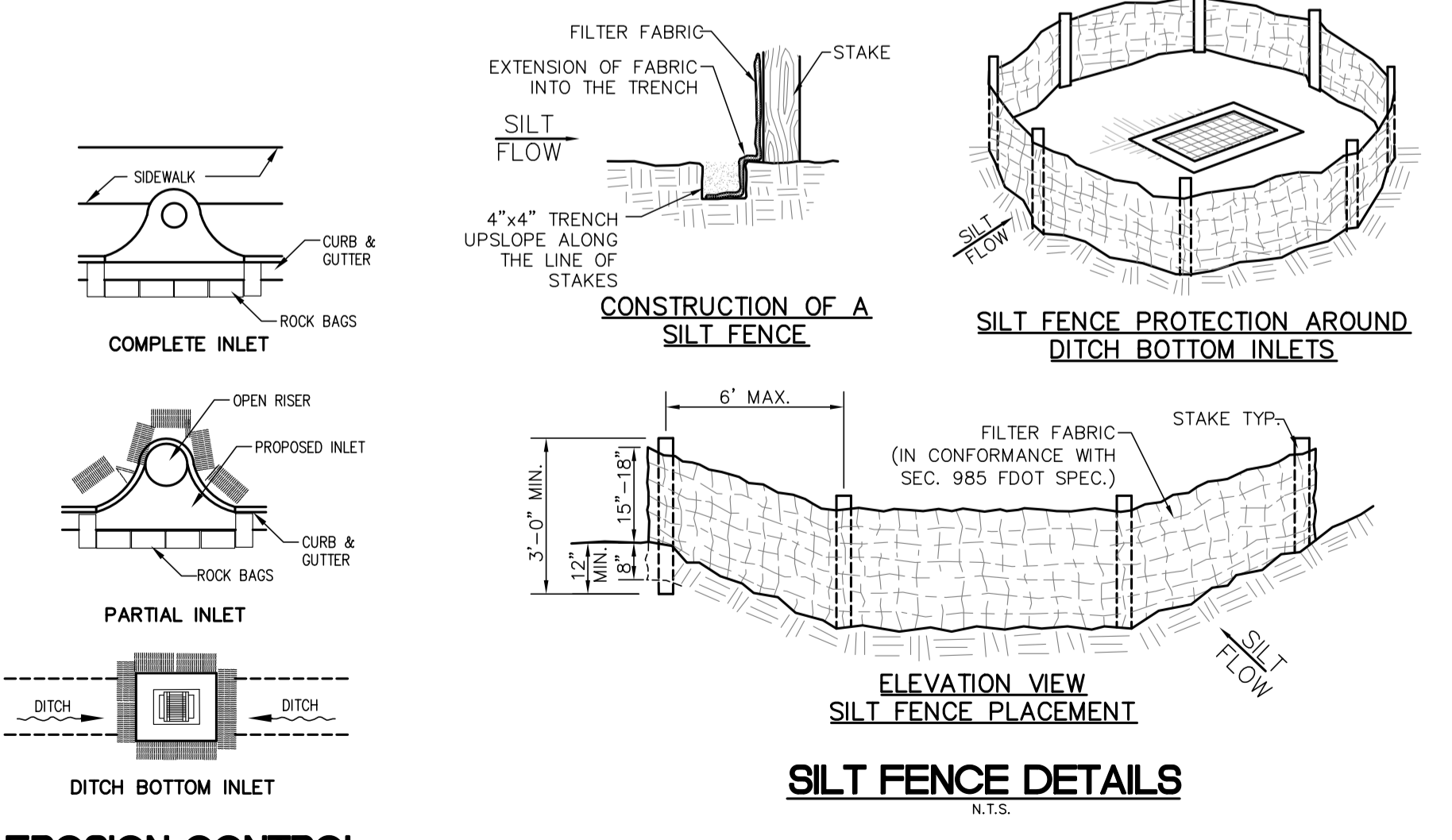
LEGEND

- ○ ○ ○ STAKED SILT FENCE
- ~ ~ ~ SURFACE HYDROLOGY
- STAKED SYNTHETIC HAY BALE OR STAKED SILT FENCE @ INLETS

EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ADHERE TO THE SEQUENCE OF OPERATIONS FOR EROSION CONTROL IMPLEMENTATION HEREON. ANY DEVIATION FROM THIS SEQUENCE DEEMED NECESSARY BY THE CONTRACTOR SHALL BE APPROVED BY THE OWNER.
2. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED WITH THE CONSTRUCTION ACTIVITIES RELATED TO EROSION CONTROL AS SHOWN OR NOTED HEREON SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP), AS WELL AS THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FOR THIS SITE, AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. ALL WASH WATER SHALL BE DISPOSED OF IN A MANNER THAT PREVENTS CONTACT BETWEEN WASH WATER POLLUTANTS AND STORM RUNOFF DISCHARGED FROM THIS SITE.
4. OIL AND GREASE ABSORBING MATERIALS SHALL BE READILY AVAILABLE ON-SITE AND SHALL BE PROMPTLY USED TO CONTAIN AND/OR CLEAN UP ALL FUEL OR CHEMICAL SPILLS OR LEAKS.
5. DUST CONTROL SHALL BE ACCOMPLISHED BY WATERING DRY, EXPOSED AREAS ON A REGULAR BASIS. SPRAYING OF PETROLEUM BASED OR TOXIC LIQUIDS FOR THIS IS PROHIBITED.
6. ALL CITY RIGHT-OF-WAYS THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SODDED PRIOR TO THE COMPLETION OF THE PROJECT.
7. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION AREAS HAVE PERMANENTLY CEASED SHALL BE PERMANENTLY SEEDED OR SODDED, AS SHOWN ON THE ATTACHED PLAN, WITHIN FOURTEEN DAYS.
8. ALL VEHICLES SHALL BE CLEANED AT THE CONSTRUCTION SITE PRIOR TO EXITING.
9. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT ROADWAYS BY VEHICLES EXITING THE SITE SHALL BE CLEANED OR REMOVED IMMEDIATELY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROMPT REMOVAL OF ALL ACCUMULATED SILT IN THE STORM SEWER SYSTEM AND ALONG SILT FENCES.
11. SILT FENCES SHALL BE PLACED AROUND ANY STOCKPILES USED ON THIS SITE.
12. ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED TO ENSURE COMPLIANCE WITH THE U.S.E.P.A.; FLORIDA DEP AND LOCAL GOVERNING AGENCY STORM WATER POLLUTION REGULATIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
13. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AND PROPERLY DISPOSED OF OFF-SITE WITHIN THIRTY DAYS AFTER STABILIZATION OF ALL SURFACES.
14. THE CONTRACTOR SHALL ASSUME LIABILITY FOR DAMAGE TO ADJACENT PROPERTIES AND/OR PUBLIC RIGHT-OF-WAY RESULTING FROM FAILURE TO FULLY IMPLEMENT AND EXECUTE ALL EROSION CONTROL PROCEDURES SHOWN AND NOTED IN THE PLANS.
15. WHENEVER DIRT, ROCK OR OTHER MATERIALS ARE EXPORTED FOR USE OFF OF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT EPA STORMWATER PERMITTING REQUIREMENTS ARE MET. PRIOR TO ANY EXPORT OF MATERIALS, THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT WITH ANY LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE SITE WILL BE PROPERLY PERMITTED WHEN REQUIRED AND DESCRIBE THE EROSION CONTROL MEASURES WHICH WILL BE USED. AT A MINIMUM, EROSION CONTROL MEASURES MUST CONSIST OF PERIMETER CONTROLS (SYNTHETIC BALES OR SILT FENCES) ON ALL DOWNSLOPE AND SIDESLOPE BOUNDARIES OF ANY DISTURBED AREAS, PLUS PROVISIONS FOR RE-VEGETATION AFTER THE FILL MATERIALS ARE IN PLACE.
16. PRIOR TO CONSTRUCTION FILTER FABRIC SILT FENCE, OR OTHER APPROVED EROSION CONTROL DEVICES SHALL BE INSTALLED ACROSS THE SWALE AT THE LOWEST DISTURBED POINT TO PREVENT EROSION MATERIAL FROM LEAVING THE CONSTRUCTION AREA, INCLUDING ANY VACANT AREAS USED FOR INGRESS AND EGRESS. ALTERNATIVE USES COULD BE GEO-HAY, WADDLES, TERRA TUBES, SEDIMENT LOGS, ETC.
17. ALL AFFECTED STORMWATER PIPES, INLETS AND CATCH BASINS SHALL BE PROTECTED BY EROSION CONTROL DEVICES TO PREVENT CONSTRUCTION RELATED EROSION MATERIAL FROM ENTERING THE STORMWATER SYSTEM. SHOULD THE EROSION CONTROLS NOT BE INSTALLED AND/OR FAIL THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING THE ENTIRE SYSTEM AS DEEMED NECESSARY BY THE ENGINEER AND GOVERNING AGENCY.
18. THE EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION PROCESS AND SHALL REMAIN IN PLACE UNTIL STABILIZED WITH SOD AND THE VACANT AREAS ARE SEEDED AND MULCHED.
19. REFER TO FDOT EROSION AND SEDIMENT CONTROL MANUAL & DETAILS.
20. ALL DEWATERING SHALL BE IN ACCORDANCE WITH S.F.W.M.D. CRITERIA.

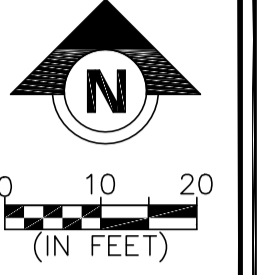
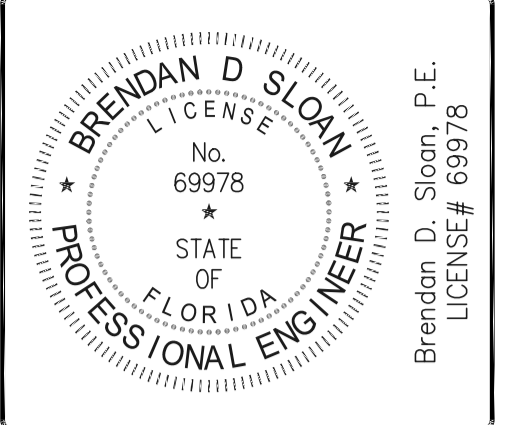
APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024



EROSION CONTROL
N.T.S.

SILT FENCE DETAILS
N.T.S.

VERTICAL ELEVATIONS BASED ON: NAVD 88



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

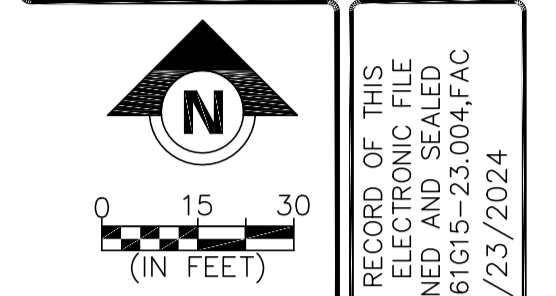
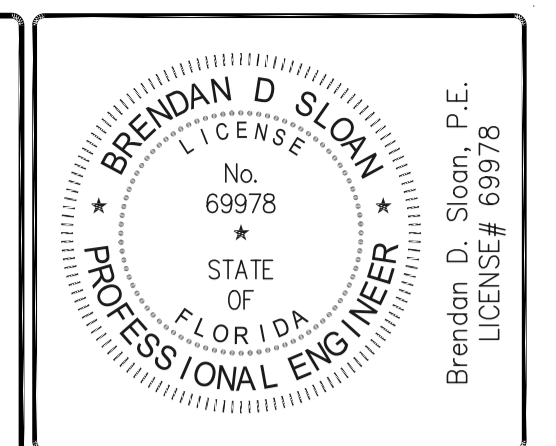
DATE	BY	REVISION DESCRIPTION
07/09/24	BS	INITIAL DD SUBMITTAL
07/23/24	BS	FINAL DD RESUBMITTAL

AVALON ENGINEERING, INC.
 2503 DEL PRADO BLVD., S #200
 CAPE CORAL, FLORIDA 33904
 (239) 73-2077
 FBFE#43128

CHIPOTLE GRILL
 COMMERCIAL DEVELOPMENT
 TRACT 73
 1222 4TH STREET WEST
 LEE COUNTY, FLORIDA 33971

**EROSION CONTROL
AND BMP. PLAN**

#23-121/CONST.
4 OF 17



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

DATE	BY	REVISION DESCRIPTION
02/09/24	BS	INITIAL DD SUBMITTAL
04/23/24	BS	▲ FIRST DD RESUBMITTAL

AYALON ENGINEERING, INC.
 2503 DEL PRADO BLVD., S #200
 CAPE CORAL, FLORIDA 33904
 FBPE#3128 (239) 73-2077

CHIPOTLE GRILL
 COMMERCIAL DEVELOPMENT
 TRACT #3 1/2 4TH STREET WEST
 LEE COUNTY, FLORIDA 33971

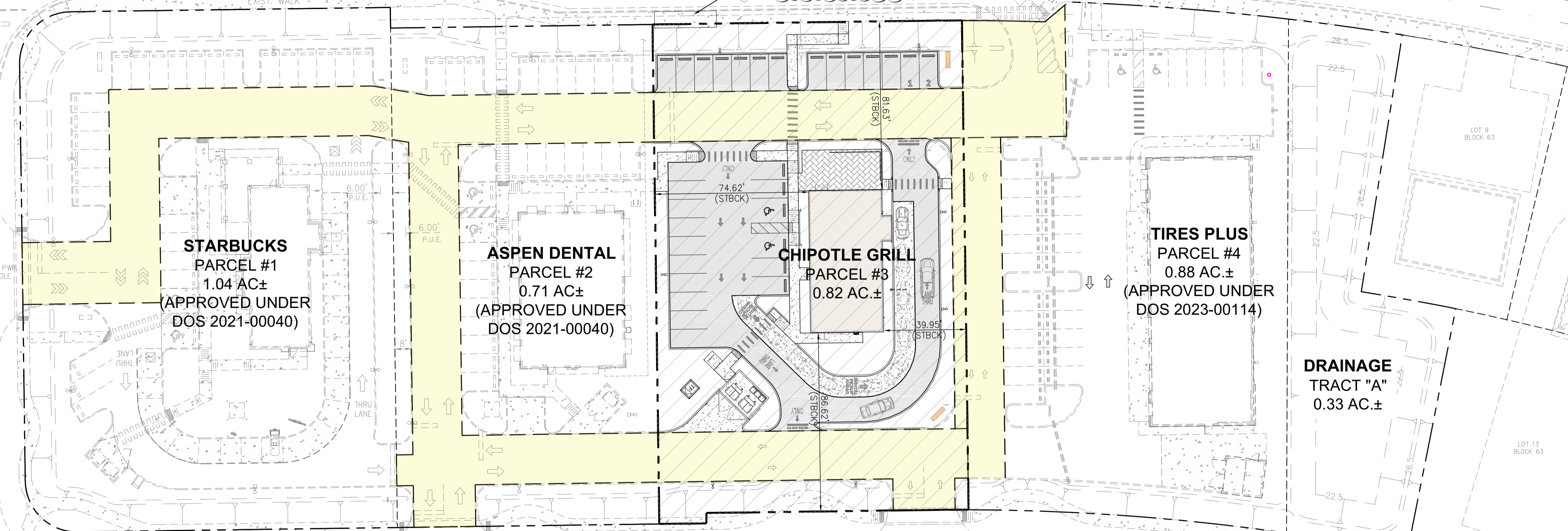
MASTER SITE PLAN

LEE BLVD. (C.R. 884)
 DIVIDED ASPHALT ROADWAY (106' PUBLIC RW)

HANNA AVE. N.
 ASPHALT ROADWAY (50' PUBLIC RW)

4TH STREET W
 ASPHALT ROADWAY (50' PUBLIC RW)

EXISTING 8'x30' BUS STOP
 W/ BIKE RACK (APPROVED
 UNDER DOS 2021-0040)



**STARBUCKS
 PARCEL #1**
 1.04 AC±
 (APPROVED UNDER
 DOS 2021-00040)

**ASPEN DENTAL
 PARCEL #2**
 0.71 AC±
 (APPROVED UNDER
 DOS 2021-00040)

**CHIPOTLE GRILL
 PARCEL #3**
 0.82 AC±

**TIRES PLUS
 PARCEL #4**
 0.88 AC±
 (APPROVED UNDER
 DOS 2023-00114)

**DRAINAGE
 TRACT "A"**
 0.33 AC±

EXISTING STARBUCKS (PARCEL #1) SITE AREAS:

PARCEL #1 CONSTRUCTION:	45,159 SF	1.04 AC	(100%)
BUILDING COVERAGE:	2,547 SF	0.06 AC	(6%)
PAVEMENT/PARKING:	16,540 SF	0.38 AC	(37%)
CONC. APRONS (INCL. DRIVE-THRU, H/C SPACES, DUMPSTER PAD)	4,033 SF	0.09 AC	(9%)
CONC. WALKS & PATIO (INCL. SIDEWALKS & OUTDOOR SEATING)	4,304 SF	0.10 AC	(10%)
TOTAL IMPERVIOUS AREA:	27,424 SF	0.63 AC	(61%)
OPEN SPACE/BUFFERS:	17,735 SF	0.41 AC	(39%)

EXISTING ASPEN DENTAL (PARCEL #2) SITE AREAS:

PARCEL #2 CONSTRUCTION:	30,767 SF	0.71 AC	(100%)
BUILDING COVERAGE: (BLDG. FLOOR AREA: 3,775 SQ. FT.)	3,854 SF	0.09 AC	(13%)
PAVEMENT/PARKING:	14,302 SF	0.33 AC	(46%)
CONC. APRONS (INCL. DRIVE-THRU, H/C SPACES, DUMPSTER PAD)	1,264 SF	0.03 AC	(4%)
CONC. WALKS	1,958 SF	0.04 AC	(6%)
TOTAL IMPERVIOUS AREA:	21,378 SF	0.49 AC	(69%)
OPEN SPACE/BUFFER:	9,389 SF	0.22 AC	(31%)

CHIPOTLE GRILL (PARCEL #3) SITE AREAS:

PARCEL #3 CONSTRUCTION:	35,703 SF	0.82 AC	(100%)
BUILDING COVERAGE:	2,492 SF	0.06 AC	(7%)
PAVEMENT/PARKING: (INCL. 7,244 SQ. FT. EXISTING PAVEMENT)	18,075 SF	0.41 AC	(47%)
CONC. APRONS (INCL. DUMPSTER APRON, OUTDOOR SEATING AREA & DRIVE-THRU LANE)	2,290 SF	0.05 AC	(6%)
CONC. WALKS	2,169 SF	0.05 AC	(6%)
TOTAL IMPERVIOUS AREA:	25,026 SF	0.57 AC	(65%)
OPEN SPACE/BUFFER:	10,677 SF	0.25 AC	(28%)

TIRES PLUS (PARCEL #4 - UNDER CONSTRUCTION) SITE AREAS:

PARCEL #2 CONSTRUCTION:	38,302 SF	0.88 AC	(100%)
BUILDING COVERAGE: (BLDG. FLOOR AREA: 6,225 SQ. FT.)	6,687 SF	0.15 AC	(17%)
PAVEMENT/PARKING: (INCL. 1,904 SQ. FT. EXISTING PAVEMENT)	18,015 SF	0.41 AC	(47%)
CONC. APRONS (INCL. DUMPSTER PAD/APRON)	2,414 SF	0.06 AC	(6%)
CONC. WALKS	779 SF	0.02 AC	(2%)
TOTAL IMPERVIOUS AREA:	27,895 SF	0.64 AC	(73%)
OPEN SPACE/BUFFER:	10,407 SF	0.24 AC	(27%)

LEGEND

- PROP. DEVELOPMENT AREA
- EXISTING CROSS ACCESS EASEMENT
(RECORDED UNDER PLAT INSTRUMENT
#2022000148817)

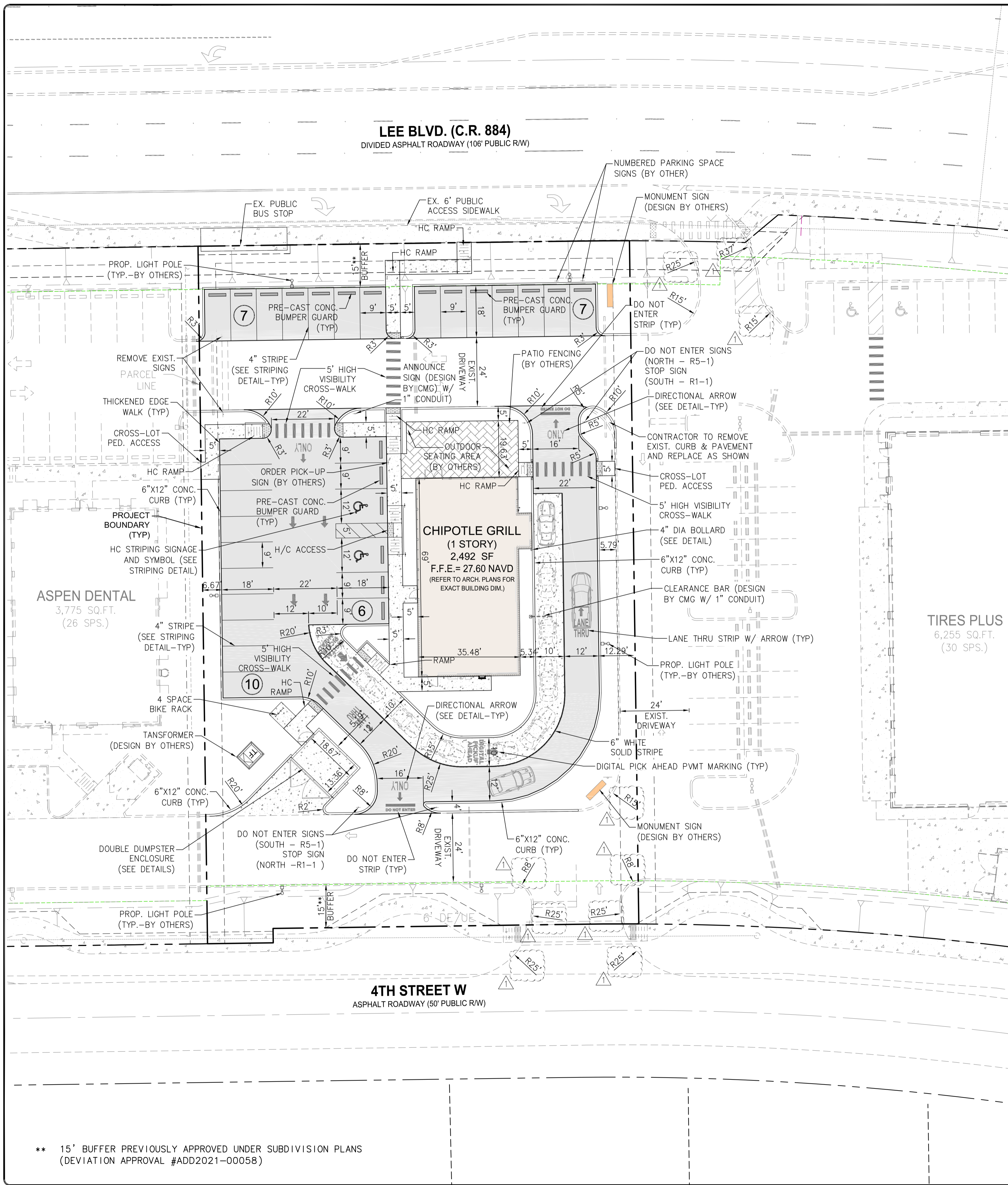
OVERALL COMMERCIAL SUBDIVISION SITE AREAS:

TOTAL SFWMD ERP AREA:	164,319 SF	3.78 AC	(100%)
BUILDING COVERAGE: (INCL. 4,000 SQ. FT. FOR FUTURE PARCEL #3)	15,580 SF	0.37 AC	(9%)
PAVEMENT/CONC AREAS: (INCL. 20,508 SQ. FT. FOR FUTURE PARCEL #3)	86,143 SF	1.98 AC	(52%)
TOTAL IMPERVIOUS AREA:	101,723 SF	2.34 AC	(62%)
OPEN SPACE/BUFFER:	62,596 SF	1.44 AC	(38%)

**GROUND WATER AND OTHER SURFACE
 WATERS IMPACT STATEMENT:**

AS A RESULT OF THE CONSTRUCTION
 OF THIS PROJECT, NO IMPACTS TO
 THE GROUNDWATER OR OTHER SURFACE
 WATERS ARE ANTICIPATED.

APPROVED
 DOS2024-00022
 Lee Tallaksen, Plan Reviewer
 Lee County DCD
 7/23/2024



PARKING CALCULATIONS

CAR PARKING REQUIREMENT:
REQUIRED PARKING CALCULATION:
13 SPACE/1000 S.F. OF FLOOR AREA

FLOOR AREA CALCULATION:
2,492 S.F. RESTAURANT
+ 723 S.F. PATIO
3,215 S.F. TOTAL

3,215 X (13/1000) = 42 SPACES REQUIRED

W/ 55% MIXED USED REDUCTION, 19 CAR SPACES REQUIRED

SPACES PROVIDED = 30 CAR SPACES (INCLUDING 2 H/C SPACES)

DRIVE-THRU STACKING REQUIREMENT:
REQUIRED = 10 CARS W/ 5 CARS BEFORE ORDER BOARD

PROVIDED = 10 CARS BEFORE PICK-UP WINDOW (NO ORDER BOARD)

BIKE SPACE REQUIREMENT:
5% OF REQUIRED PARKING

42 x 5% = 2.1 BIKE SPACES REQUIRED

4 BIKE SPACES PROVIDED

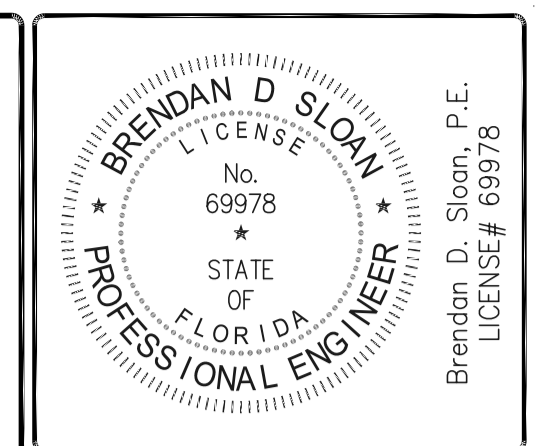
REFUSE/WASTE MANAGEMENT REQUIREMENTS

COMMERCIAL BUSINESS (0 SQ.FT. TO 5,000 SQ.FT.):
MINIMUM SQ. FT. FOR GARBAGE COLLECTION: 60 SQ.FT.
MINIMUM SQ. FT. FOR RECYCLABLE COLLECTION: 24 SQ.FT.

PARCEL #3 (CHIPOTLE)
GARBAGE COLLECTION REQUIRED: 60 SQ.FT. MINIMUM
GARBAGE COLLECTION PROVIDED: 172 SQ.FT. (INTERIOR)

RECYCLABLE COLLECTION REQUIRED: 24 SQ.FT. MINIMUM
RECYCLABLE COLLECTION PROVIDED: 77 SQ.FT. (INTERIOR)

BOTH GARBAGE AND RECYCLING AREAS ARE PROVIDED IN THE PROPOSED DUMPSTER ENCLOSURE DETAILED BELOW



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

DATE: 02/09/24
BY: INITIAL: DD/SUBMITAL
02/23/24/BS (FIRST TO RESUBMITAL)

REVISION DESCRIPTION

DATE: 02/09/24
BY: INITIAL: DD/SUBMITAL
02/23/24/BS (FIRST TO RESUBMITAL)

STOP (R1-1)

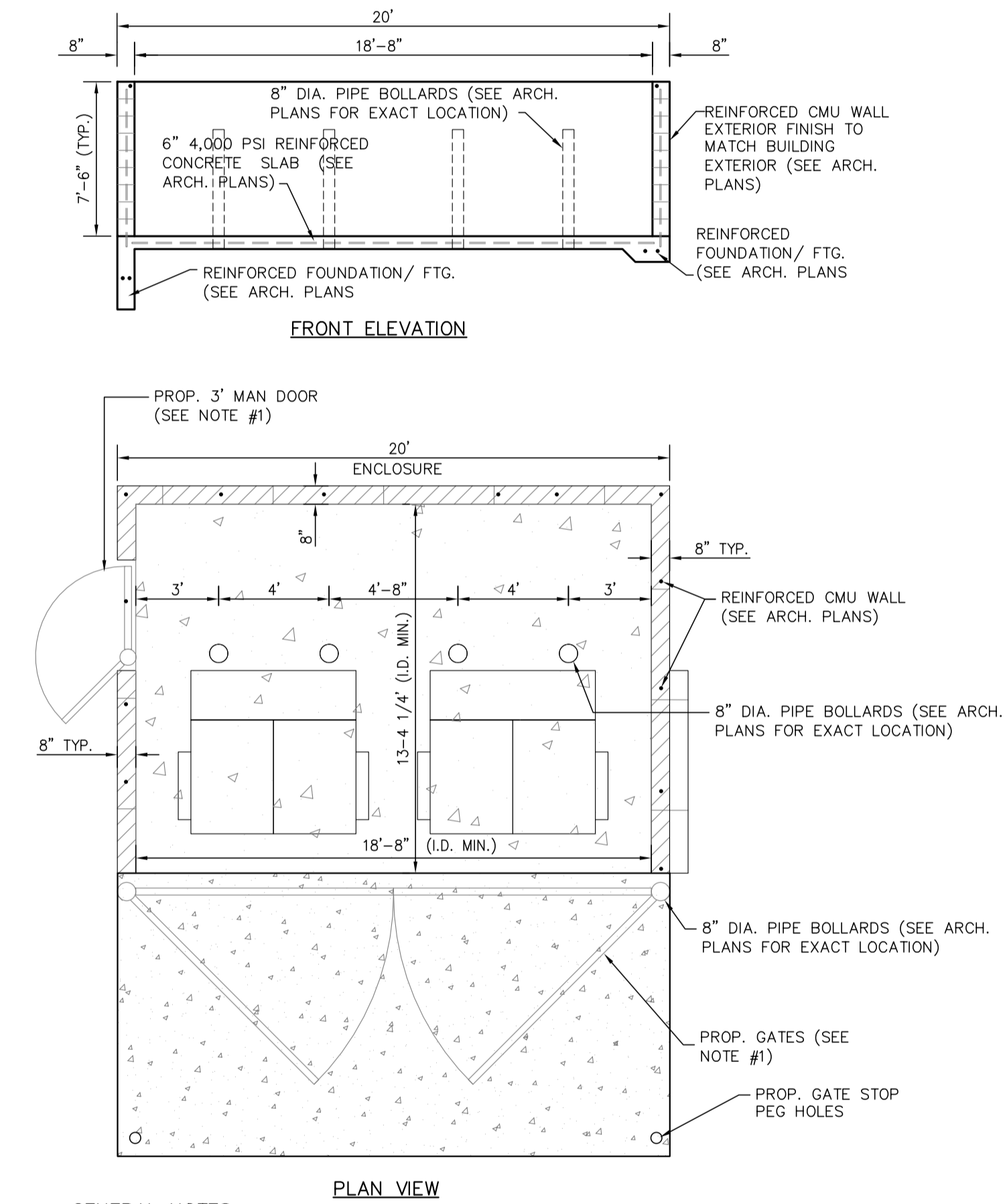
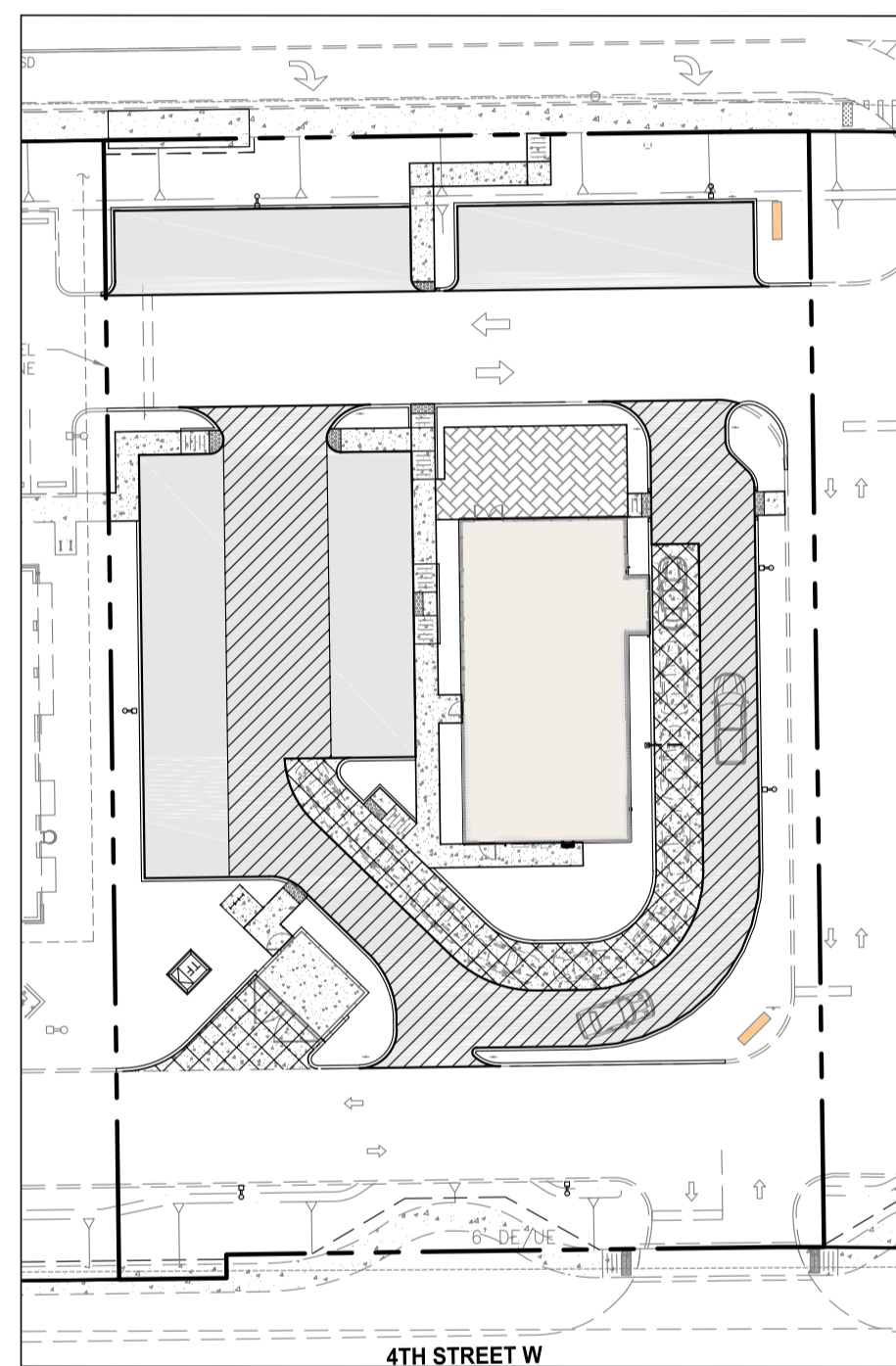
DO NOT ENTER (R5-1)

8" DIA. PIPE BOLLARDS (SEE ARCH. PLANS FOR EXACT LOCATION)

6" 4,000 PSI REINFORCED CONCRETE SLAB (SEE ARCH. PLANS)

REINFORCED CMU WALL EXTERIOR FINISH TO MATCH BUILDING EXTERIOR (SEE ARCH. PLANS)

REINFORCED FOUNDATION/ FTG. (SEE ARCH. PLANS)



GENERAL NOTES:

OPAQUE GATES (SEE ARCHITECTURAL PLANS, DETAILS AND SPECIFICATIONS)

8" DIA. PIPE BOLLARD FILLED WITH CONCRETE SET IN CONC. 3' DEPTH & 4" ABOVE FIN. GRADE, PAINTED OSHA YELLOW, OR APPROVED EQUAL

CONTRACTOR TO SUPPLY SHOP DRAWINGS FOR ALL DUMPSTER ENCLOSURE HARDWARE INCLUDING GATES PRIOR TO INSTALLATION.

CONTRACTOR SHALL SUPPLY AND INSTALL ALL MATERIALS UNLESS OTHERWISE NOTED.

REFER TO ARCHITECTURAL PLANS FOR ALL DETAILS & STRUCTURAL DESIGN. ENCLOSURE EXTERIOR FINISHES TO MATCH COLOR, TEXTURE, BANDING, ETC. OF THE PRIMARY BUILDING FACADE (SEE ARCHITECTURAL PLANS).

A MINIMUM OF 22' FEET OF CLEAR HEIGHT IS REQUIRED ABOVE ALL ENCLOSURES.

DOUBLE MASONRY TRASH / RECYCLE ENCLOSURE + PAD

(N.T.S.)

TYPICAL CONCRETE PAD FOR DOUBLE C.B.S. DUMPSTER ENCLOSURE AS SHOWN, REFER TO ARCHITECTURAL PLANS FOR SPECIFIC DUMPSTER ENCLOSURE DETAILS AND SPECIFICATIONS

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County CDC
7/23/2024

VERTICAL ELEVATIONS BASED ON: NAVD 88

AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBPE#43128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 1/2 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

SITE DIMENSION AND STRIPING PLAN

#23-121/CONST.

6 OF 17

** 15' BUFFER PREVIOUSLY APPROVED UNDER SUBDIVISION PLANS (DEVIATION APPROVAL #ADD2021-00058)

HOOP RACK - Specifications and Space Use

Product Name
Dero Hoop Rack
As manufactured by Dero Bike Racks

Bikes Parked per Unit: 2

Materials:
1.5" schedule 40 pipe (1.9" OD)

Finishes
An after fabrication hot dipped galvanized finish is standard. 250 TGIC powder coat colors and a stainless steel option are also available.

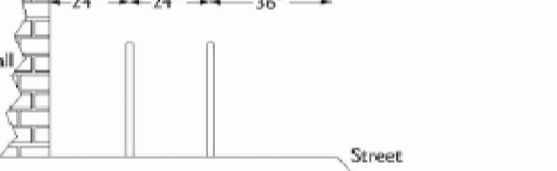
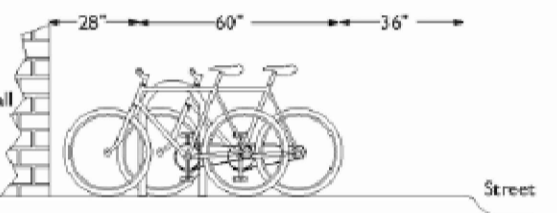
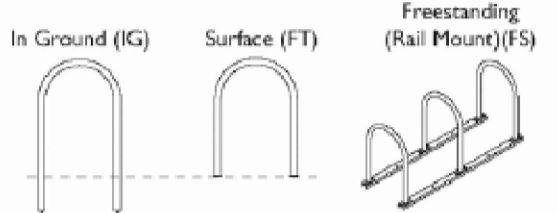
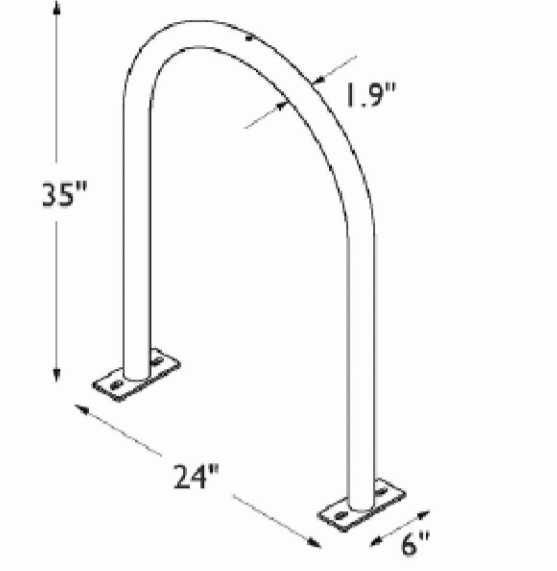
Our powder coat finish assures a high level of adhesion and durability by following these steps:
1. Sandblast
2. Iron phosphate pretreatment
3. Epoxy primer electrostatically applied
4. Final thick TGIC polyester powder coat

Stainless Steel: 304 grade stainless steel material finished in either a high polished shine or a satin finish.

A rubbery PVC Dip is also available

Installation Methods

- In ground mount is embedded into concrete base. Specify in ground mount for this option.
- Foot Mount has two 2.5"x6"x.25" feet with two anchors per foot. Specify foot mount for this option.
- Rail Mounted Hoops are bolted to two parallel rails which can be left freestanding or anchored to the ground. Rails are heavy duty 3"x1.4"x3/16" thick galvanized mounting rails. Specify rail mount for this option.



SETBACKS

Wall Setbacks:
For racks set parallel to a wall:
Minimum: 24"
Recommended: 36"

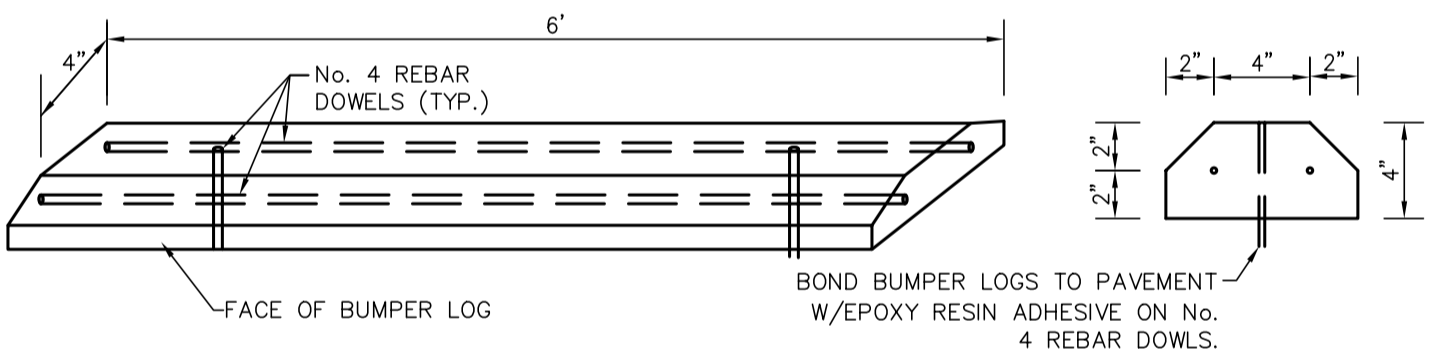
For racks set perpendicular to a wall:
Minimum: 28"
Recommended: 36"

Distance Between Racks:
Minimum: 24"
Recommended: 36"

Street Setbacks:
Minimum: 24"
Recommended: 36"

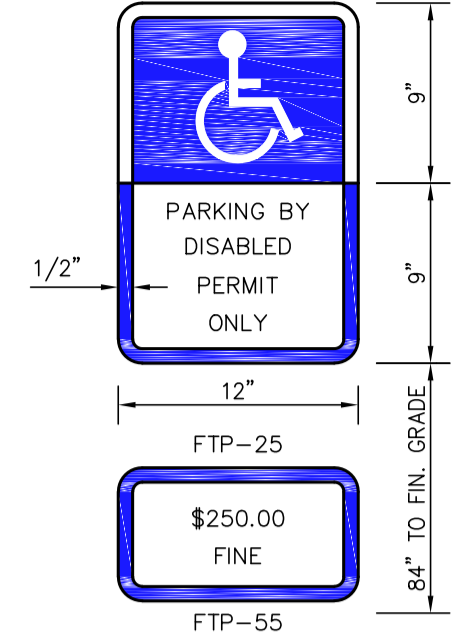
HOOP BIKE RACK DETAIL

N.T.S.



6' PRE-CAST CONC. BUMPER GUARD

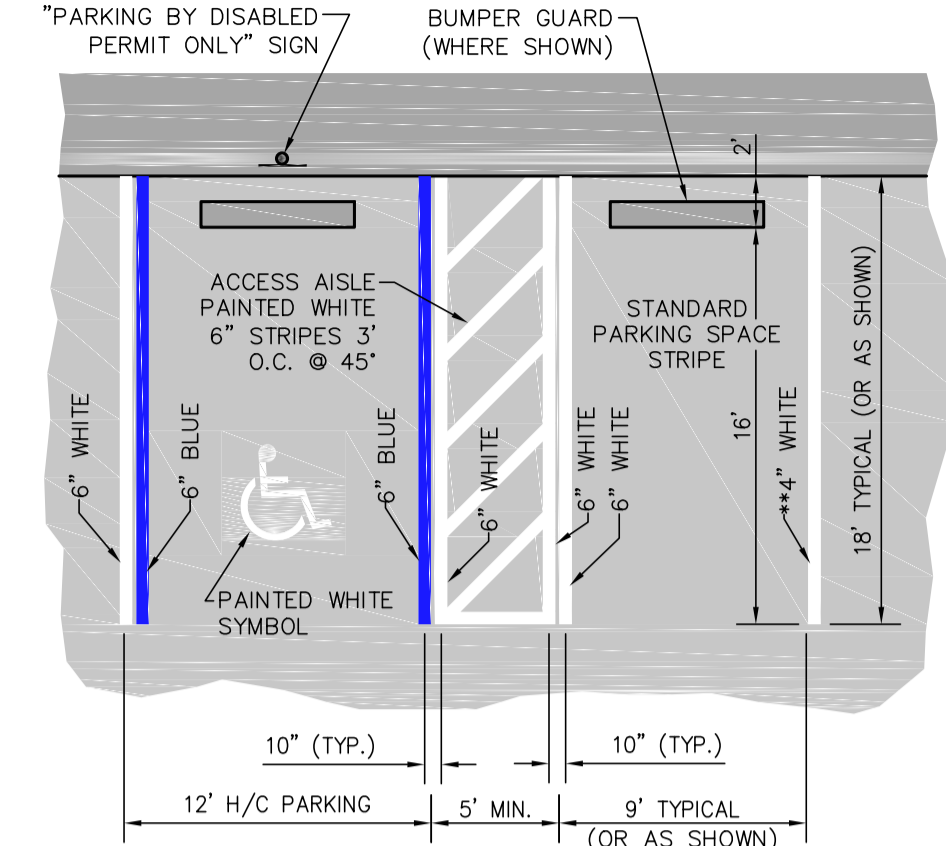
N.T.S.



ALL LETTERS ARE 1" SERIES 'C'.
TOP PORTION OF SIGN SHALL HAVE A REFLECTORIZED BLUE BACKGROUND W/ WHITE REFLECTORIZED LEGEND & BORDER.
BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED WHITE BACKGROUND W/ BLACK OPAQUE LEGEND & BORDER.

TYPICAL HANDICAP SIGN

N.T.S.



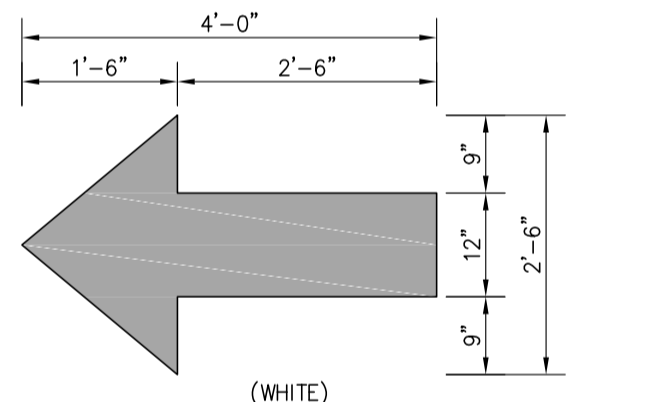
** TYPICAL 4" WHITE PARKING LOT STRIPING UNLESS OTHERWISE NOTED
6" STRIPING ADJACENT TO H/C SPACE & ACCESS AISLE

STRIPING NOTE:

- ALL PAVEMENT MARKING AND STRIPING WITHIN SITE SHALL BE IN ACCORDANCE WITH M.U.T.C.D.
- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE TWO (2) COATS OF TRAFFIC REFLECTIVE PAINT (F.D.O.T. SECT. #710) FOR ADDITIONAL INFORMATION SEE PARKING
- FOR CONCRETE SURFACE OPTIONAL SHERWIN WILLIAMS SETFAST CHLORINATED RUBBER ZONE MARKING PAINT (SPEC. TM5127 LEAD-FREE YELLOW), FOR ADDITIONAL INFORMATION SEE PARKING SPACE STRIPING COLOR DETAIL ABOVE.
- ALL MARKING WITHIN A PUBLIC R/W SHALL BE IN THERMOPLASTIC, UNLESS OTHERWISE NOTED.

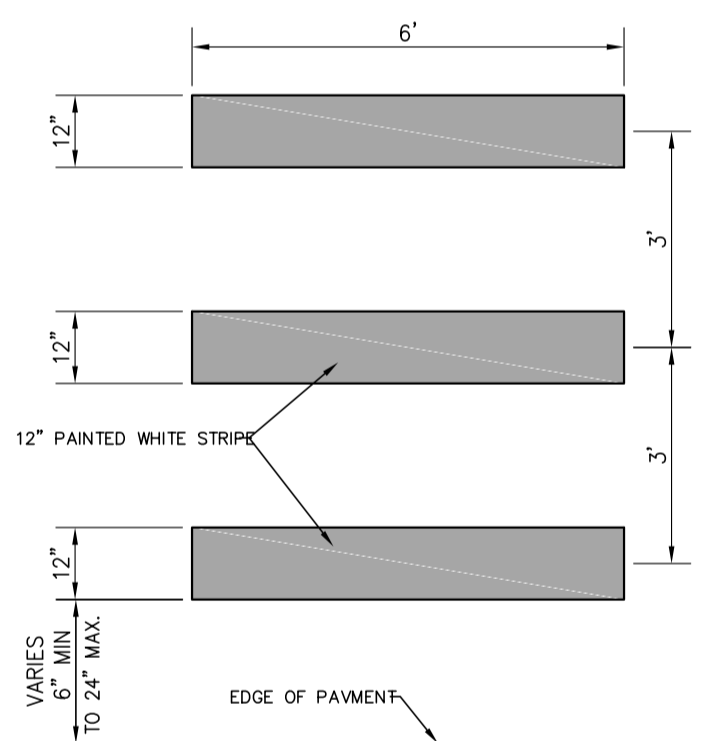
TYPICAL STRIPING DETAIL

N.T.S.



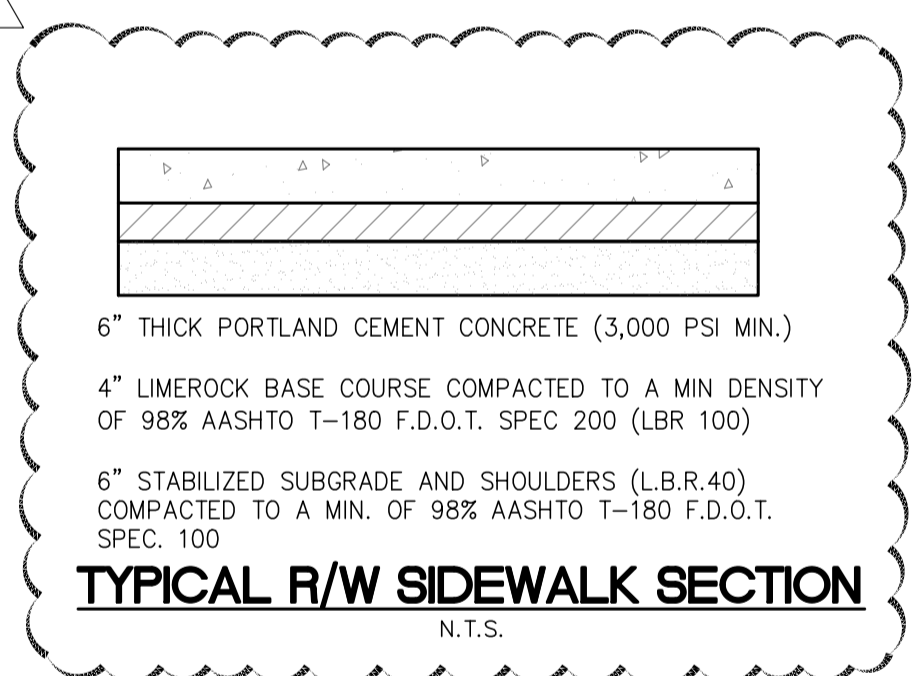
DIRECTIONAL ARROW ON SITE

N.T.S.



HIGH VISIBILITY CROSSWALK FOR PARKING LOTS

N.T.S.

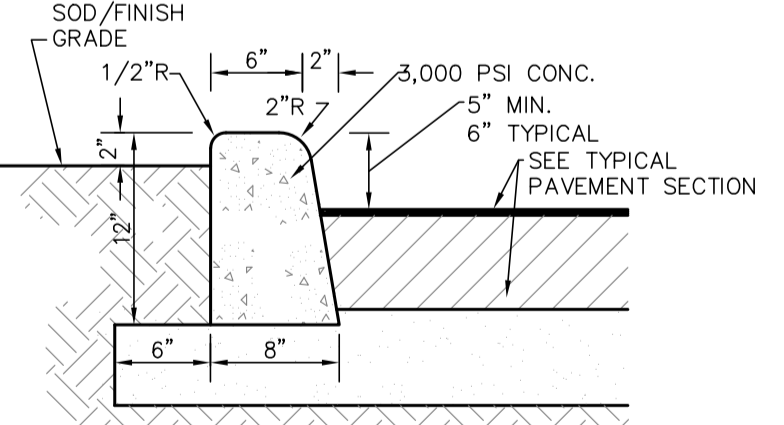


TYPICAL R/W SIDEWALK SECTION

N.T.S.

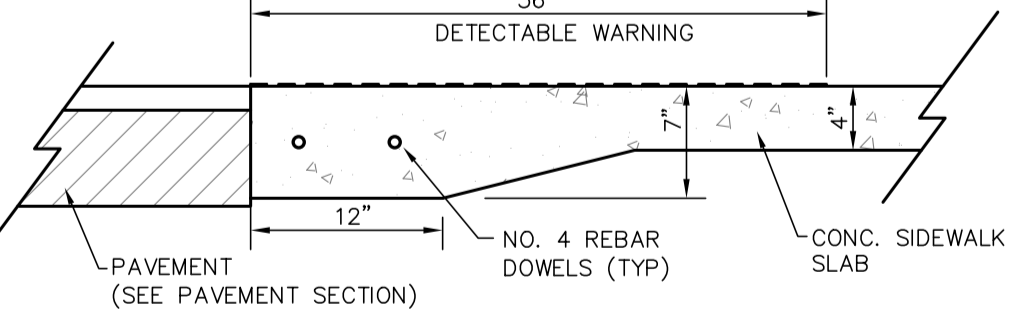
CURBING NOTES:

- CONCRETE FOR CURB AND GUTTER SHALL BE FDOT CLASS 1 WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 P.S.I.
- WHEN USED ON HIGH SIDE OF ROADWAY, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. THE THICKNESS OF THE LIP SHALL BE 6" MIN.
- CONSTRUCT 1/2" EXPANSION JOINTS AT 100' O.C. AND SAW CUT CONTRACTION JOINTS AT 10' O.C. (MAX).
- REFER TO FDOT INDEX #520-001 FOR ADDITIONAL DETAILS.
- LOCATIONS FOR USE OF REVEAL WILL BE DETERMINED BY THE ENGINEERING DEPT. AT TIME OF STAKEOUT
- MIN. SAW CUT DEPTH IS 1/4 THE DEPTH OF THE MIN. CURB DEPTH FOR VALLEY GUTTER. SAW CUT DEPTHS FOR TYPES 'E' AND 'F' CURBS PER FDOT INDEX #520-001.



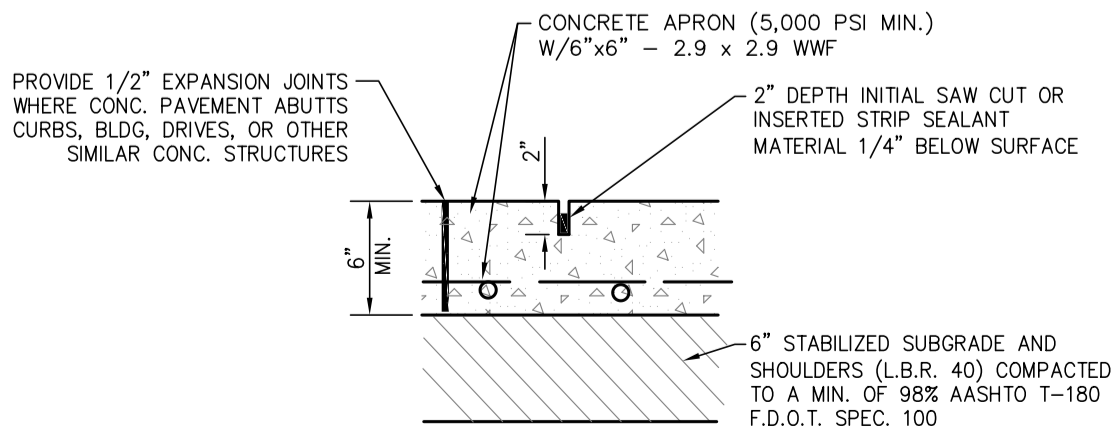
STRAIGHT 6'x12' CURB

N.T.S.



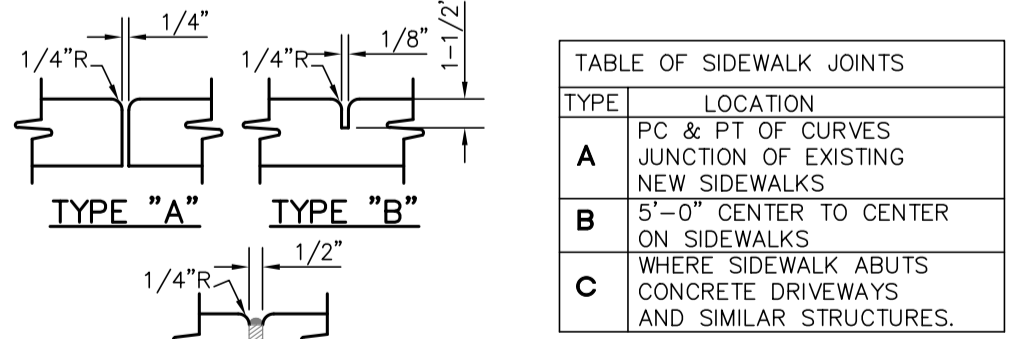
WALK FLUSH AT PAVEMENT

N.T.S.

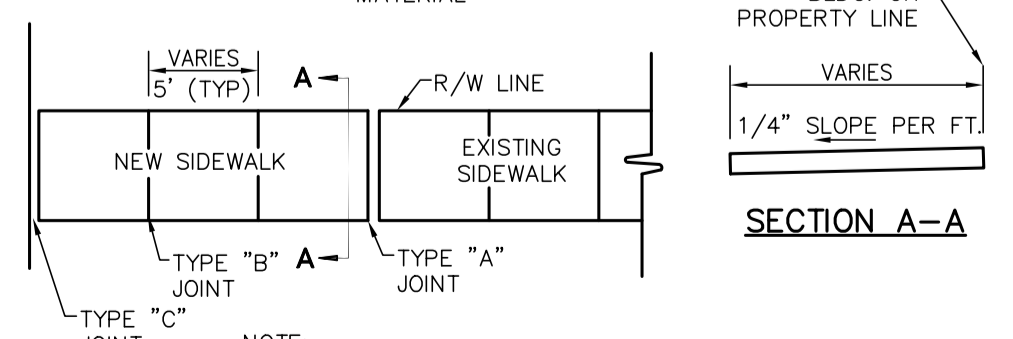


TYPICAL CONCRETE APRON PAVEMENT

N.T.S.

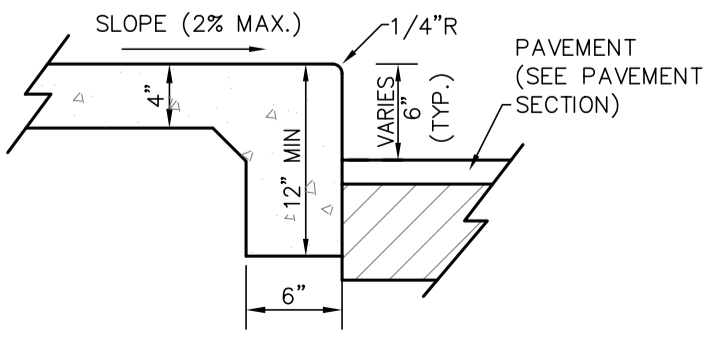


TYPE	LOCATION
A	PC & PT OF CURVES
B	JUNCTION OF EXISTING NEW SIDEWALKS
C	WHERE SIDEWALK ABUTS CONCRETE DRIVEWAYS AND SIMILAR STRUCTURES.



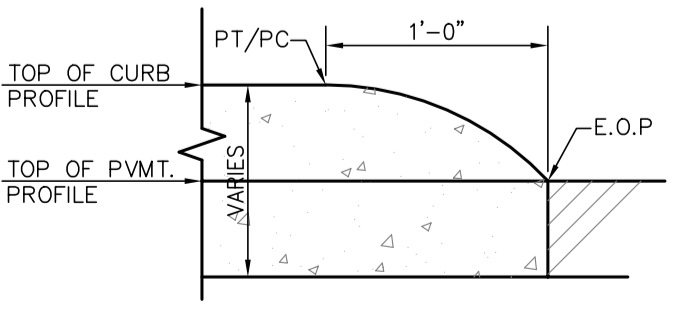
SIDEWALK JOINTS DETAIL

N.T.S.



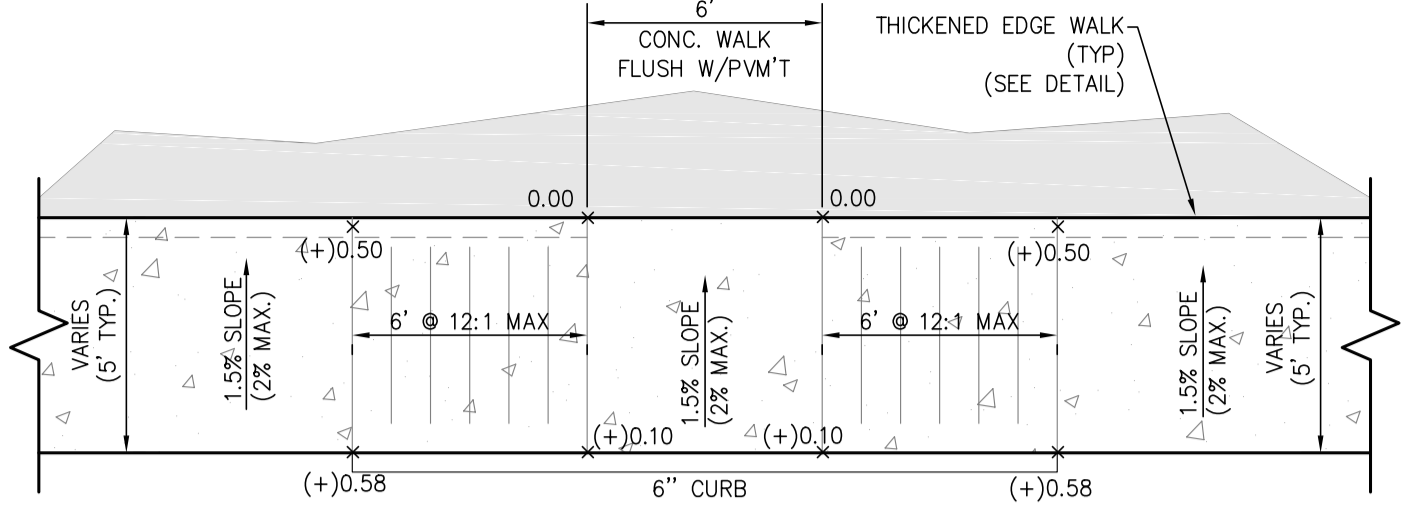
THICKENED EDGE CONC WALK

N.T.S.



CURB ENDING DETAIL

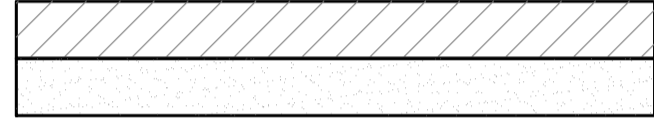
N.T.S.



HANDICAP RAMP TYPE #2

N.T.S.

- NOTE:**
- DETECTABLE WARNING MATERIAL SHALL BE PROVIDED (24" MIN. DEPTH FROM BACK OF CURB AND FULL WIDTH OF FLUSH TRANSITION) WHERE SHOWN ON PLANS AND ALL PUBLIC R/W HANDICAP RAMPS, AND SHALL MEET MINIMUM FDOT/ADA REQUIREMENTS. REFER TO FDOT 522-002 FOR ADDITIONAL DETECTABLE WARNING DETAILS AND NOTES.
 - FOR ADDITIONAL WALK, RAMP, CURBING & DETECTABLE WARNING DETAILS, REFER TO THE LATEST FDOT DESIGN, STANDARDS & SPECS.



STANDARD (STD) ON-SITE PAVEMENT SECTION

(WHERE SHOWN)

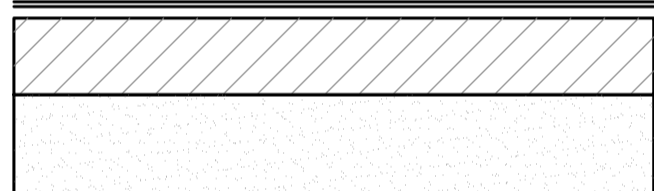
(2") 1" ASPHALTIC CONC S-III (SP-9.5) & 1" S-III (SP-9.5) WEARING SURFACE FDOT SPEC 334, OVER TACK COAT PRIME COAT, GRADE RC-70 OR RC-250, SHALL BE APPLIED AT A RATE OF 0.10 GAL. SQ. YD. F.D.O.T. SPEC. 300

6" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYPICAL ON-SITE STANDARD PAVEMENT SECTION

N.T.S.



HEAVY DUTY (HD) ON-SITE PAVEMENT SECTION

(WHERE SHOWN)

(2.5") 1.5" ASPHALTIC CONC S-III (SP-12.5) BASE AND 1" S-III (SP-9.5) TOP WEARING SURFACE FDOT SPEC 334, OVER TACK COAT FOR CITY RIGHT OF WAY

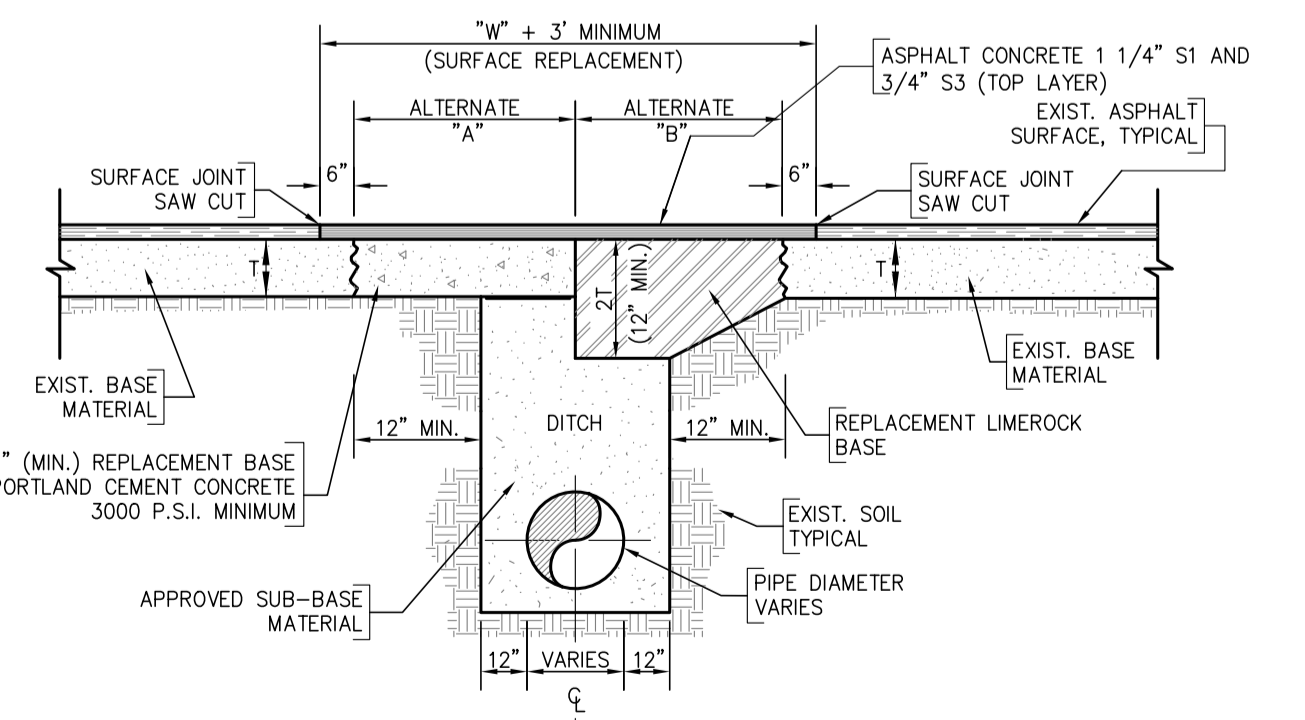
PRIME COAT, GRADE RC-70 OR RC-250, SHALL BE APPLIED AT A RATE OF 0.10 GAL. SQ. YD. F.D.O.T. SPEC. 300

8" LIMEROCK BASE COURSE COMPACTED TO A MIN DENSITY OF 98% AASHTO T-180 F.D.O.T. SPEC 200 (LBR 100)

12" STABILIZED SUBGRADE AND SHOULDERS (L.B.R.40) COMPACTED TO A MIN. OF 98% AASHTO T-180 F.D.O.T. SPEC. 100

TYPICAL ON-SITE H.D. PAVEMENT SECTION

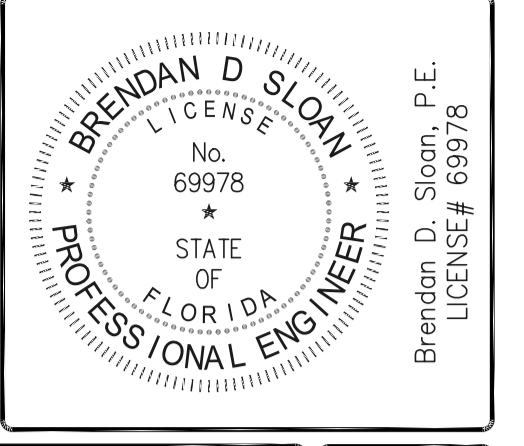
N.T.S.



- NOTES:**
- LIMEROCK MATERIAL (MIN. LBR 100) SHALL BE COMPACTED TO 98% DENSITY, AASHTO T-180.
 - APPROVED SUB-BASE MATERIAL (MIN. LBR 40) SHALL BE COMPACTED IN 6" LAYERS MAXIMUM, TO 98% DENSITY, AASHTO T-180.
 - ASPHALT CONCRETE PAVEMENT JOINT SHALL BE MECHANICALLY SAWED.
 - "W" IS WIDTH OF DITCH AT ITS WIDEST POINT.

PAVEMENT REPAIR DETAIL

N.T.S.



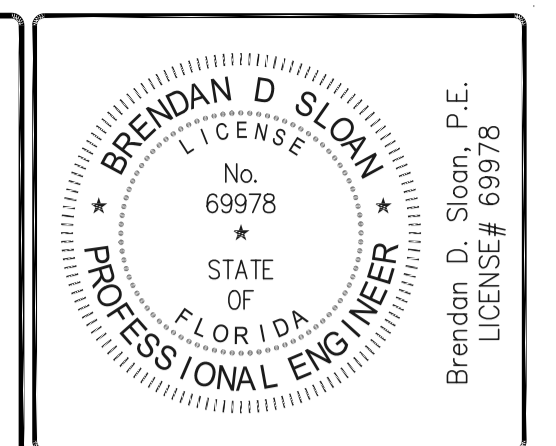
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DATE	BY	REVISION DESCRIPTION
02/09/24	BS	INITIAL DD SUBMITTAL
03/23/24	BS	1ST TO RESUBMITTAL

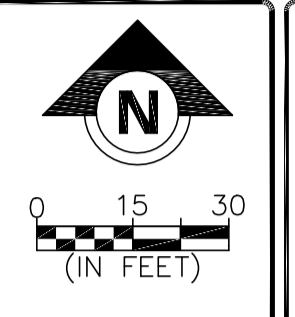
AYALON ENGINEERING, INC.
2603 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 73-2077

CHIPOTLE GRILL COMMERCIAL DEVELOPMENT
282 4TH STREET WSW
LEE COUNTY, FLORIDA 33977

TYPICAL PAVING AND STRIPING DETAILS



Brendan D. Sloan, P.E.
LICENSE# 69978



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

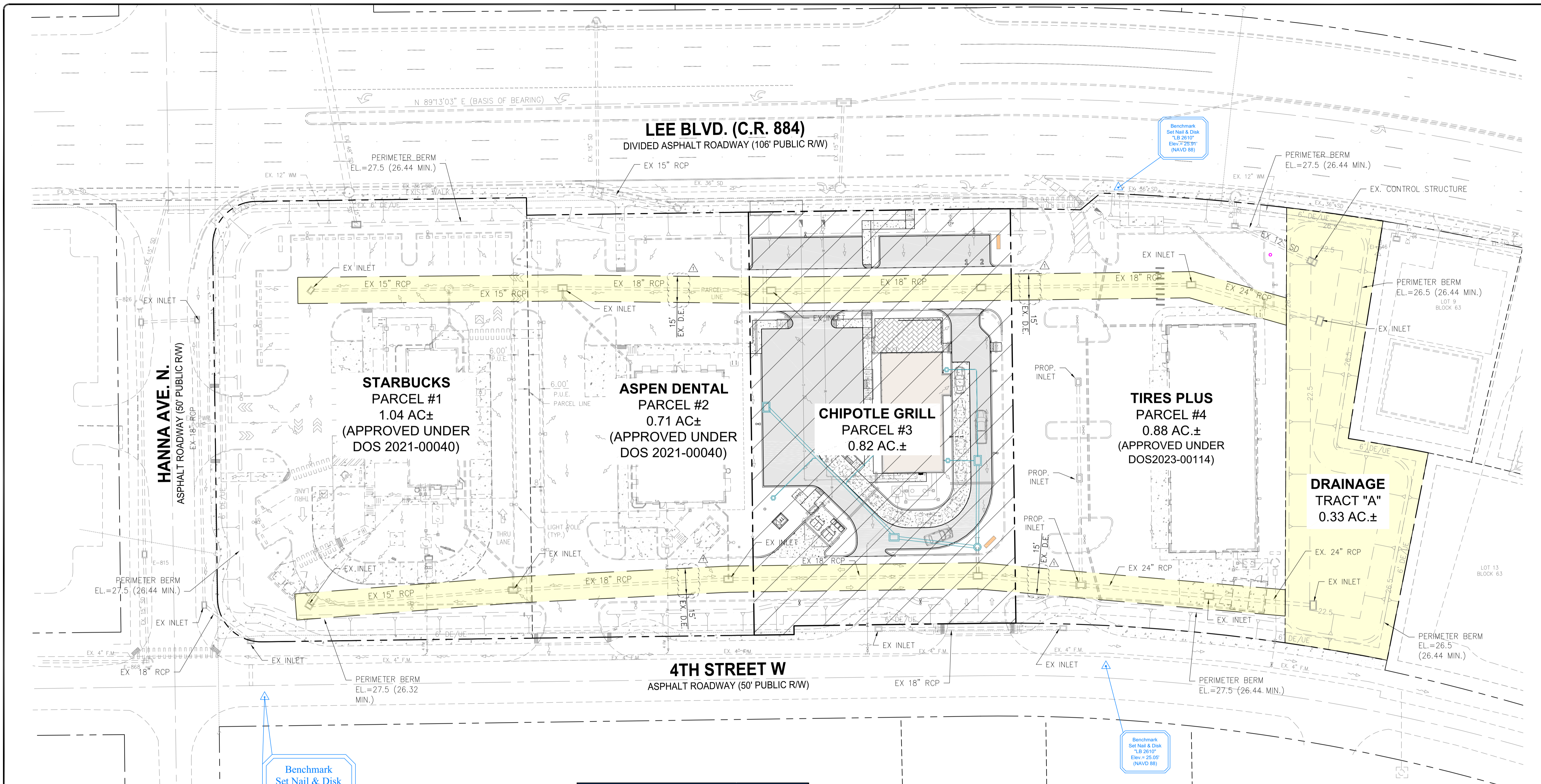
DATE	BY	REVISION DESCRIPTION
02/09/24	BS	INITIAL DO SUBMITTAL
04/23/24	BS	FIRST DO RESUBMITTAL

AVALON ENGINEERING, INC.
2803 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

MASTER DRAINAGE PLAN

#23-121/CONST.
8 OF 17



Benchmark
Set Nail & Disk
"LB 2610"
Elev. = 25.47'
(NAVD 88)

Benchmark
Set Nail & Disk
"LB 2610"
Elev. = 25.02'
(NAVD 88)

Maximum Building Area	3,200 sq.ft.
Building Area Proposed	2,492 sq.ft.
Maximum Overall Impervious Area	0.57 ac.
Overall Impervious Area Proposed	0.57 ac.
Minimum Building Elevation	27.60'
Proposed Building Elevation	27.60'
Minimum Berm Elevation	26.44'
Proposed Berm Elevation	27.00'
Minimum Road Crown Elevation	25.60'
Proposed Road Crown Elevation	26.20'
Maximum Discharge Rate Allowed	0.52 cfs
Design Discharge Rate	0.33 cfs
Water Quality Volume Required	0.44 ac-ft
Water Quality Volume Provided	0.58 ac-ft
Control Elevation (To Remain)	21.50'

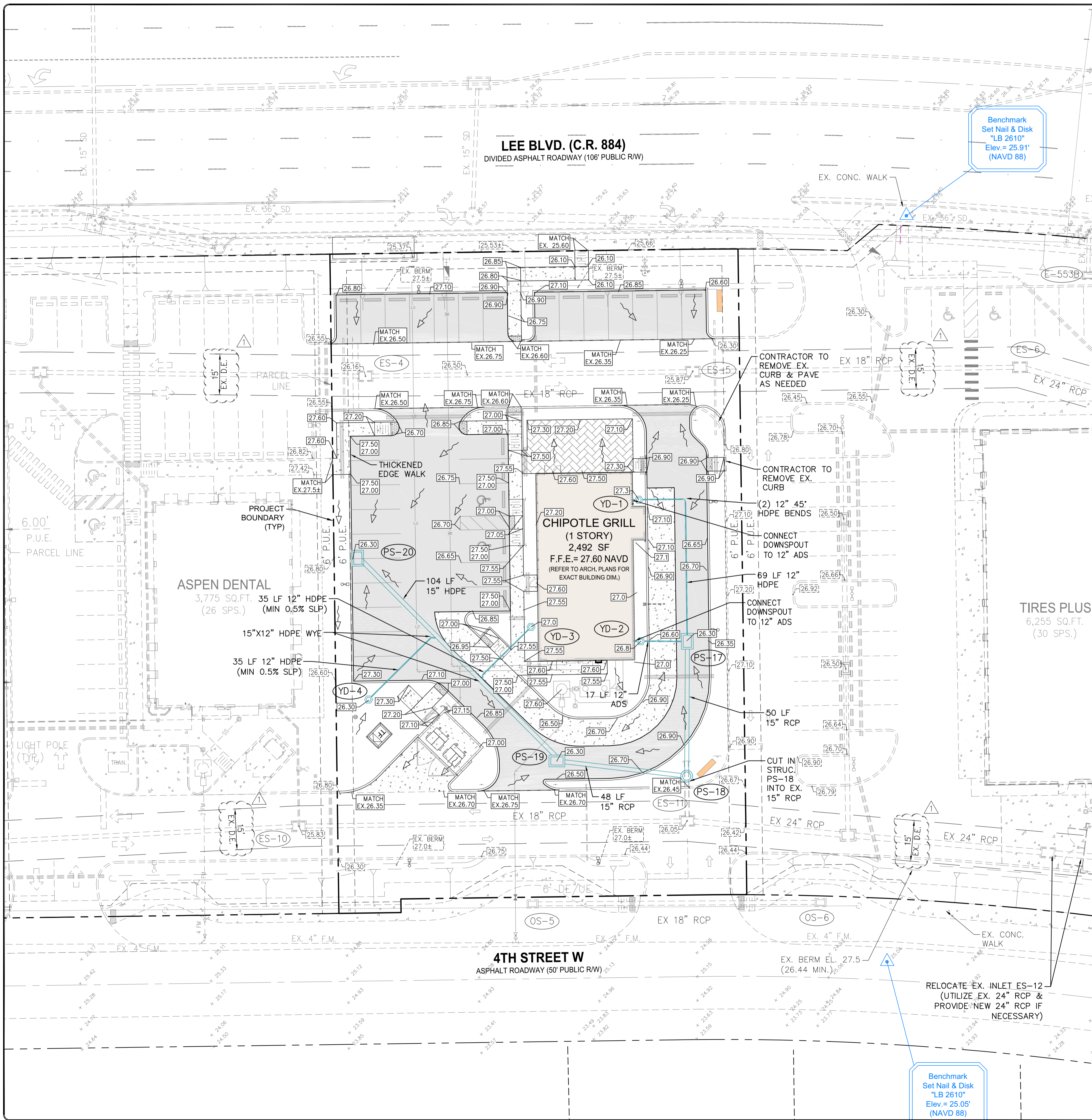
Notes:
- All elevations shown are in NAVD88.
- Minimum and Maximum Stormwater design parameters were established in SPWDFRP Permit 36-109764-P.

THE DRAINAGE INFRASTRUCTURE SHOWN ON THIS PLAN SHEET WAS CONSTRUCTED & CERTIFIED UNDER DOS 2021-000040 AND PERMITTED UNDER DOS2023-00114.

- PROP. DEVELOPMENT AREA
- EXISTING DRAINAGE EASEMENT (RECORDED UNDER PLAT INSTRUMENT #2022000148817)

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024

VERTICAL ELEVATIONS BASED ON: NAVD 88



EXIST. DRAINAGE STRUCTURES

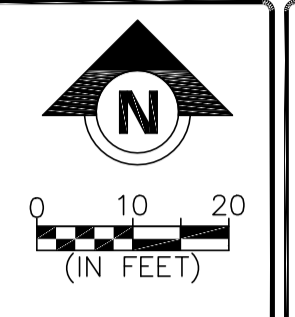
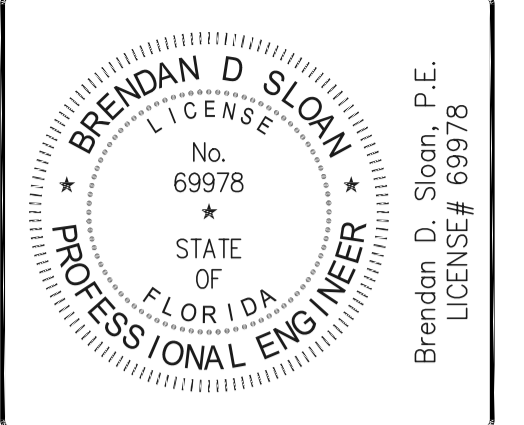
- PS-4
CONST. INLET TYPE 'E'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL= 26.16
INV(E)=21.34 (18" RCP)
INV(W)=21.36 (18" RCP)
SUMP=19.30
- ES-5
EXIST. INLET TYPE 'E'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL=26.00
INV(E)=20.78 (18" RCP)
INV(W)=20.86 (18" RCP)
SUMP=18.75
- PS-10
CONST. INLET TYPE 'E'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL= 25.83
INV(N)=21.02(12"PVC)
INV(E)=20.99 (18" RCP)
INV(W)=21.03(18"RCP)
SUMP=18.93
- ES-11
EXIST. INLET TYPE 'E'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL=26.10
INV(SE E)=20.15 (24" RCP)
INV(W)=20.10 (18" RCP)
SUMP=18.20

PROP. DRAINAGE STRUCTURES

- PS-17
CONST. INLET TYPE 'C'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL=26.30
INV(S)=22.75 (15" RCP)
INV(N)=23.30 (12" HDPE)
INV(W)=23.30 (12" HDPE)
SUMP=20.75
- PS-18
JUNCTION BOX
GRATE EL=27.15
INV(N)=22.50 (15" RCP)
INV(W)=21.20 (15" RCP)
INV(S)=20.30 (15" RCP)
SUMP=18.30
- PS-19
CONST. INLET TYPE 'C'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL=26.20
INV(E)=22.00 (15" RCP)
INV(NW)=22.00 (15" RCP)
SUMP=20.00
- PS-20
CONST. INLET TYPE 'C'
FDOT INDEX 425-052 W/
VALLEY FRAME & GRATE
GRATE EL=26.30
INV(SE)=22.40 (15" RCP)
SUMP=20.40
- YD-1
18" YARD DRAIN
GRATE EL=27.30
INV(E)=23.65 (12" HDPE)
INV(W)=25.50 (6" RD)
SUMP=22.15
- YD-2
18" YARD DRAIN
GRATE EL=27.30
INV(E)=25.50 (12" HDPE)
INV(W)=22.90 (6" RD)
SUMP=21.40
- YD-3
18" YARD DRAIN
GRATE EL=27.00
INV(N)=23.00 (12" HDPE)
SUMP=21.50
- YD-4
18" YARD DRAIN
GRATE EL=26.30
INV(N)=23.30 (12" HDPE)
SUMP=21.80

LEGEND

- EXIST. STORM DRAIN & INLET
- PROP. STORM DRAIN & INLET
- PROP. YARD DRAIN
- STRUCTURE I.D. *
- EXISTING ELEVATION
- PROPOSED ELEVATION (HARD SURFACE)
- PROPOSED ELEVATION (GROUND)
- EXISTING ELEVATION (HARD SURFACE)
- EXISTING ELEVATION (GROUND)
- DRAINAGE FLOW ARROW



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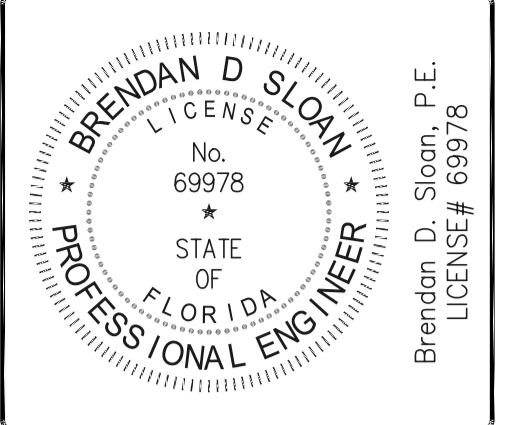
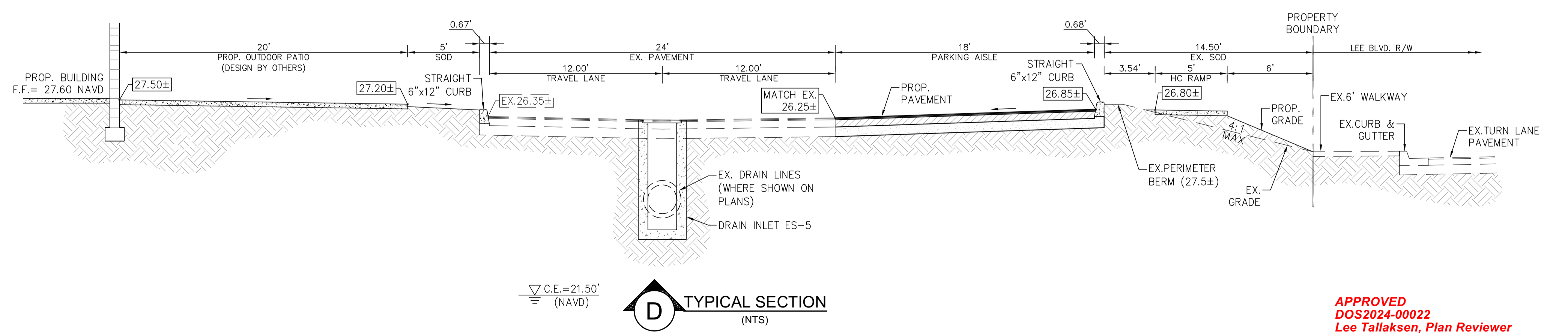
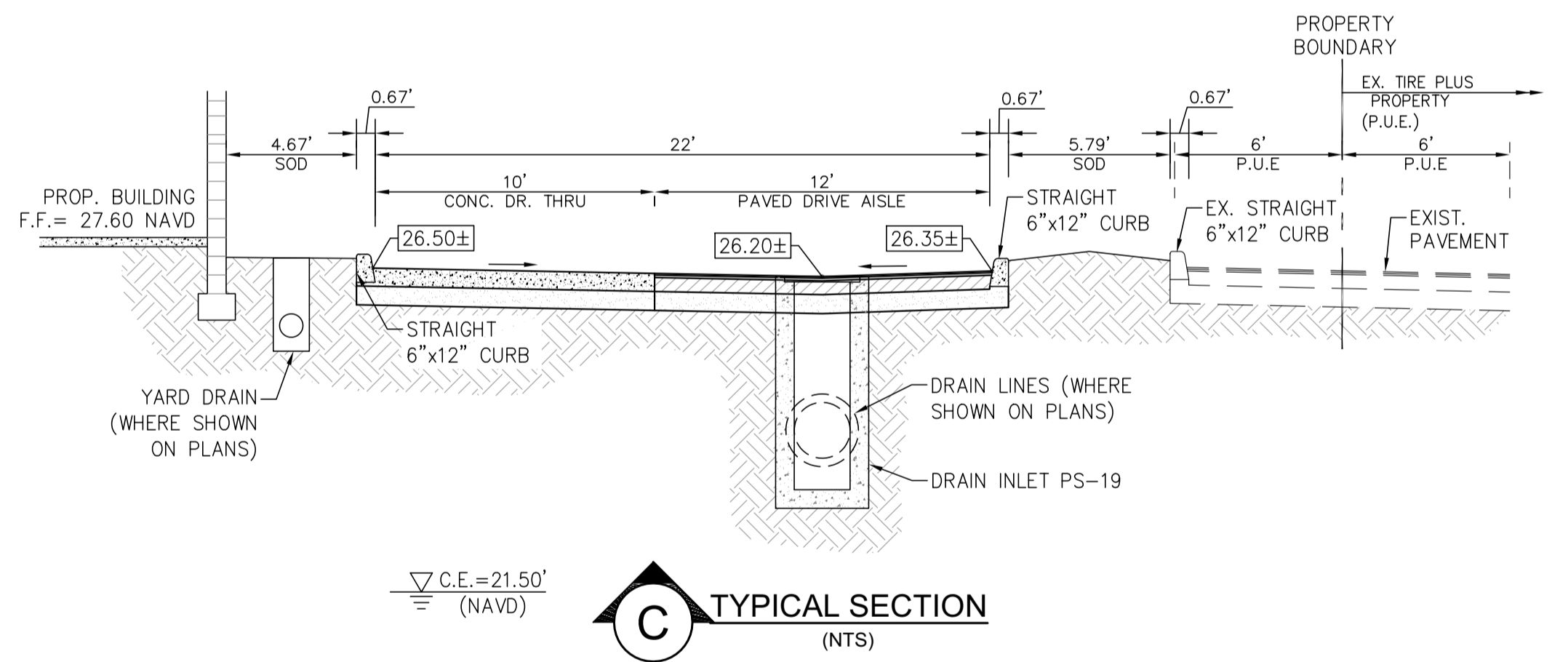
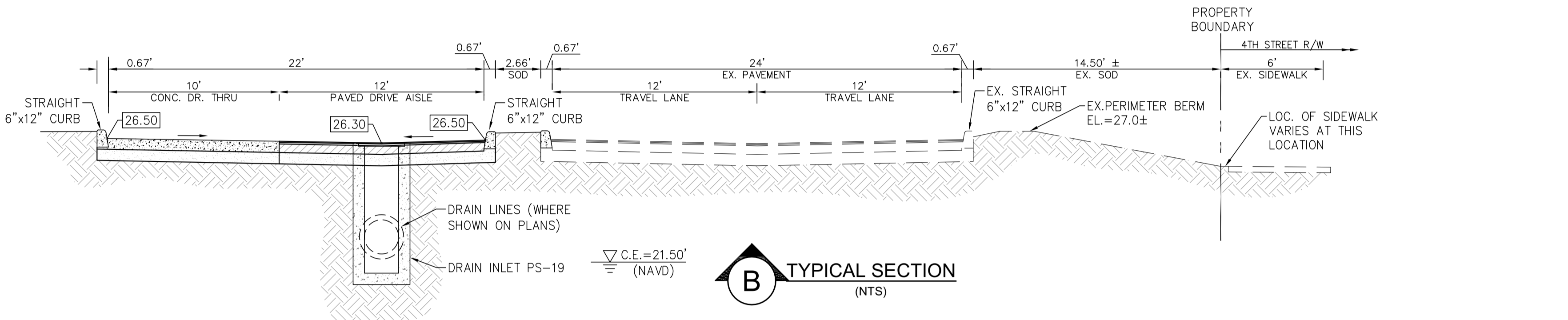
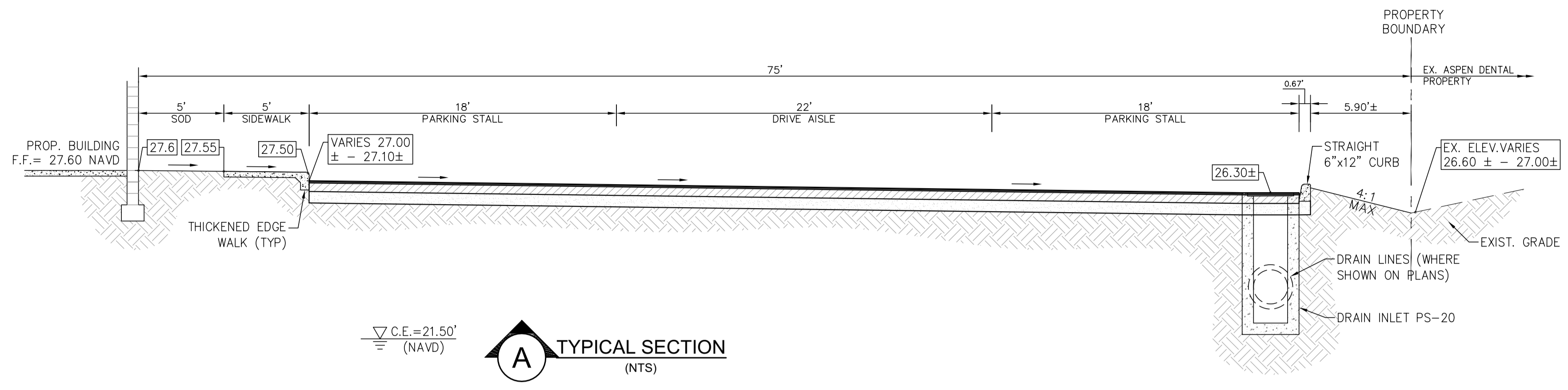
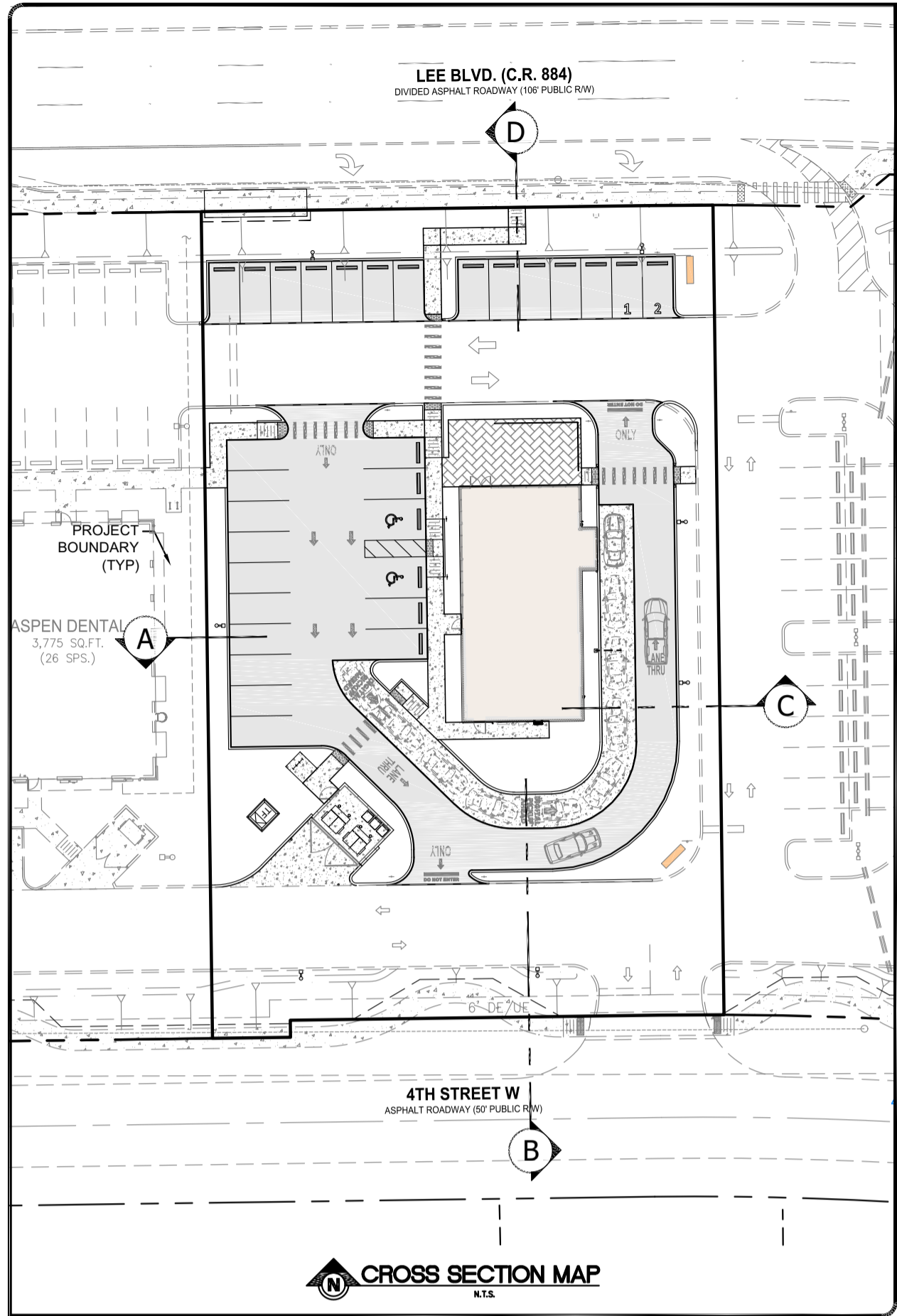
AVOLON ENGINEERING, INC.
2503 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBFE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 ON 228 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

PAVING, GRADING AND DRAINAGE PLAN

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024

VERTICAL ELEVATIONS BASED ON: NAVD 88



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AVOLON ENGINEERING, INC.
2503 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBPE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT 73 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

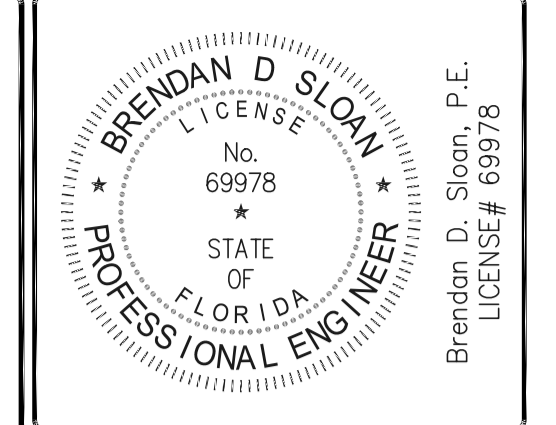
TYPICAL SECTIONS

#23-121/CONST.

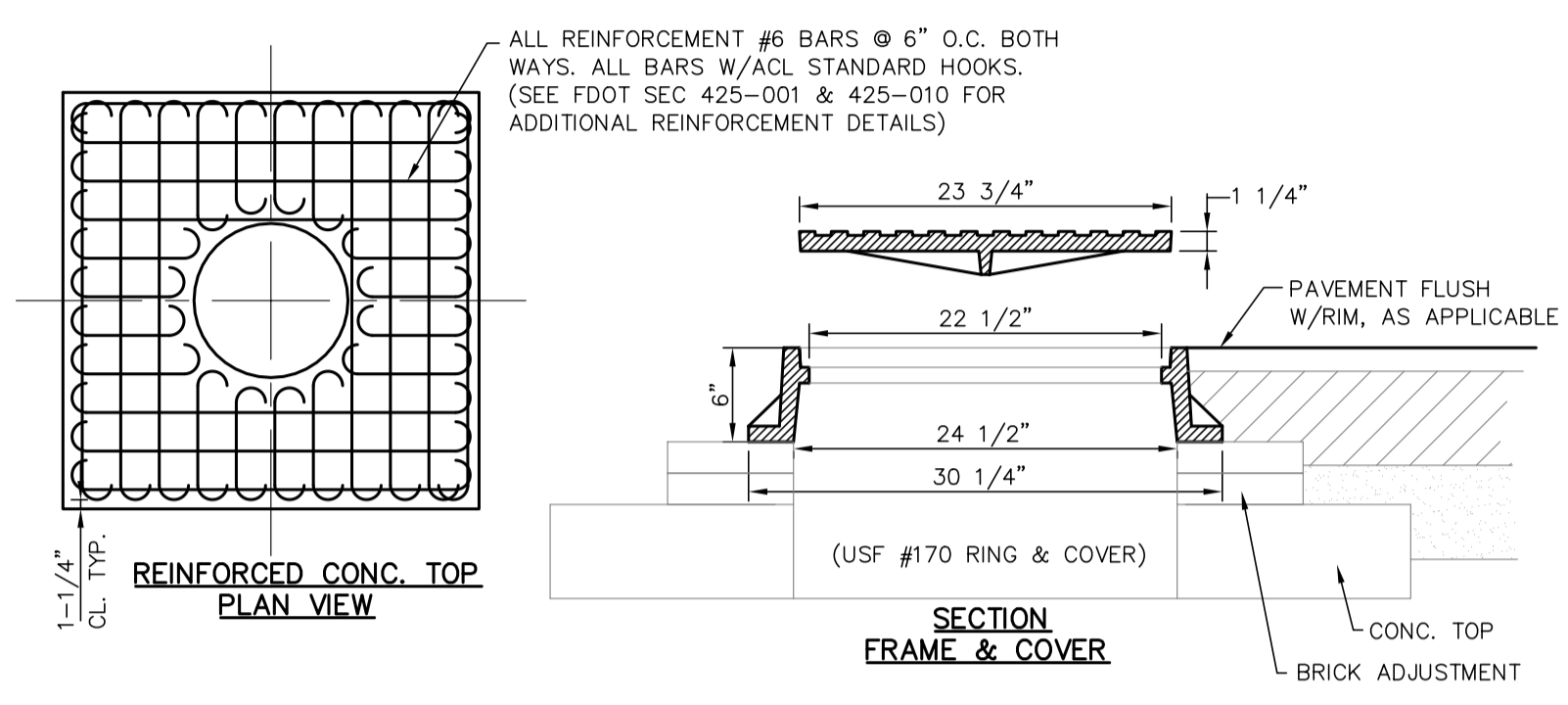
10 OF 17

APPROVED
DOS2024-0022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024

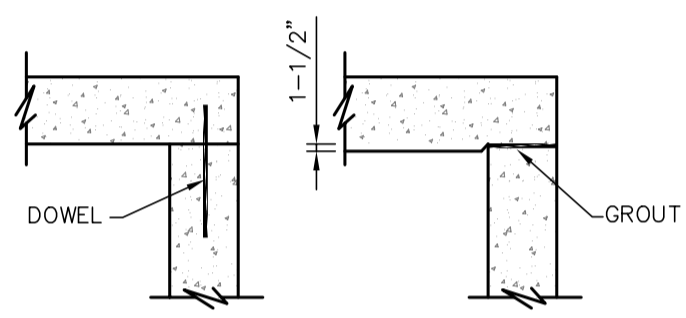
VERTICAL ELEVATIONS BASED ON: NAVD 88



Brendan D. Sloan, P.E.
LICENSE # 69978

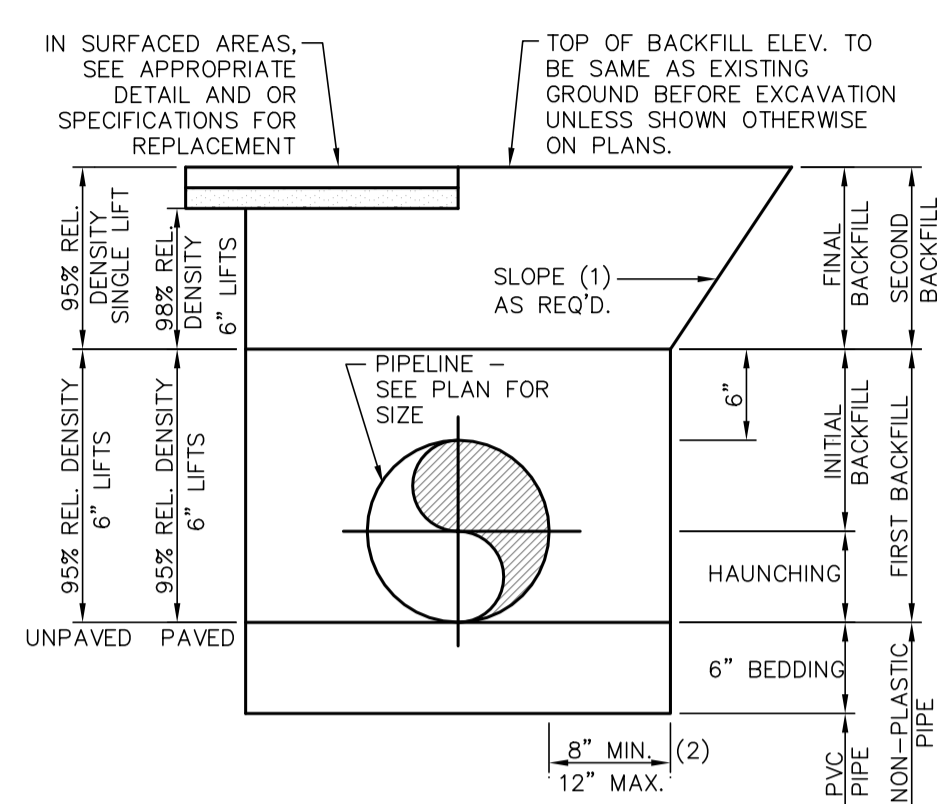


JUNC. BOX FRAME + COVER
(TYPE 7-T) DETAIL
N.C. GRADE-7T.dwg (2008)
N.T.S.



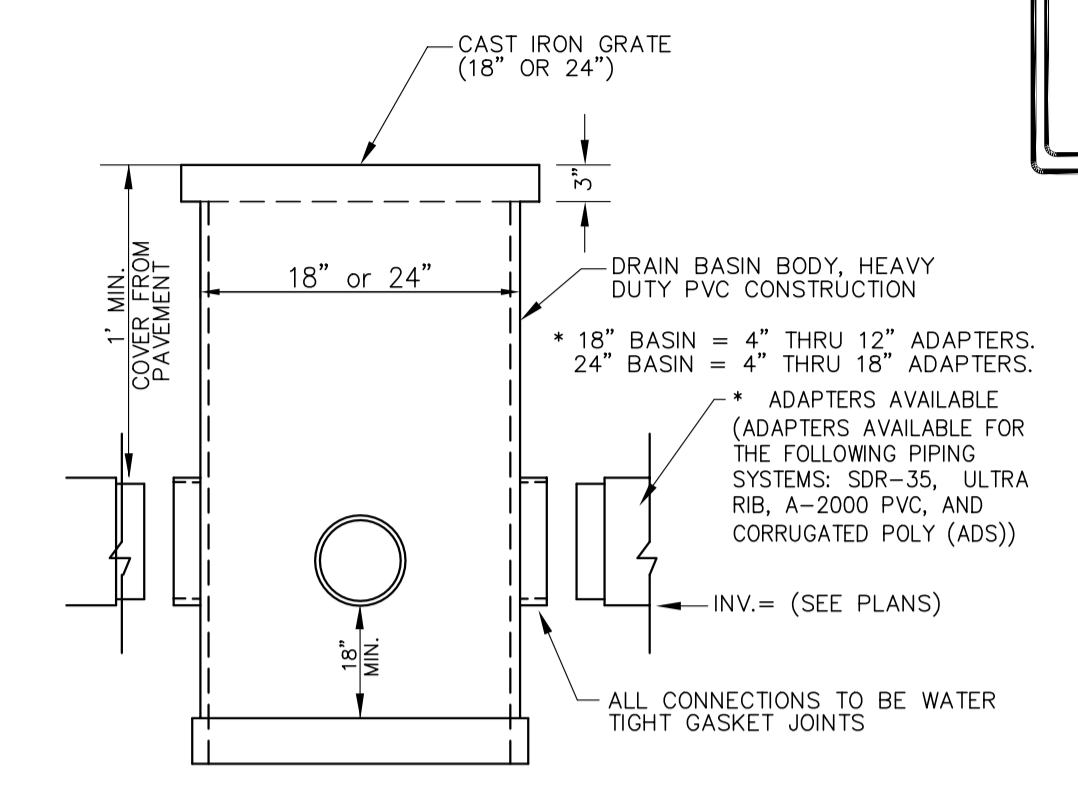
1. JOINT DOWELS ARE TO BE #4 BARS, 12" LONG WITH A MINIMUM OF 2 BARS PER SIDE AT APPROX. QUARTER POINTS FOR RECTANGULAR STRUCTURES.
2. MINIMUM COVER ON REINFORCING BARS IS 1-1/2".

DOWEL DETAIL
N.C. TYPE-DOWEL.dwg (2007)
N.T.S.

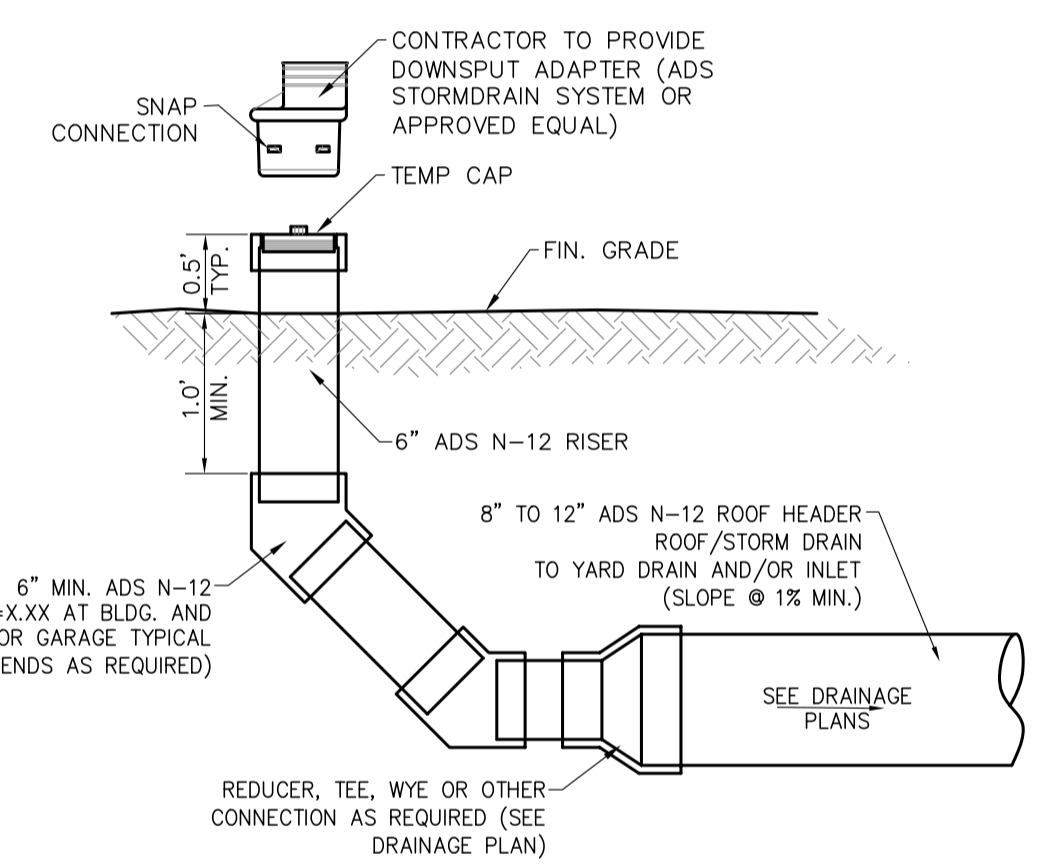


TRENCHING NOTES:
1. SLOPE OR BRACE TRENCH WALLS AS REQ'D WHERE SAFE SLOPES WOULD INTERFERE WITH EXISTING UTILITIES OR IMPROVEMENTS OR EXTEND BEYOND THE EASEMENT OR R/W LINE.
2. MINIMUM CLEARANCE MAY BE REDUCED UPON REVIEW OF ALTERNATE TRENCHING METHODS.

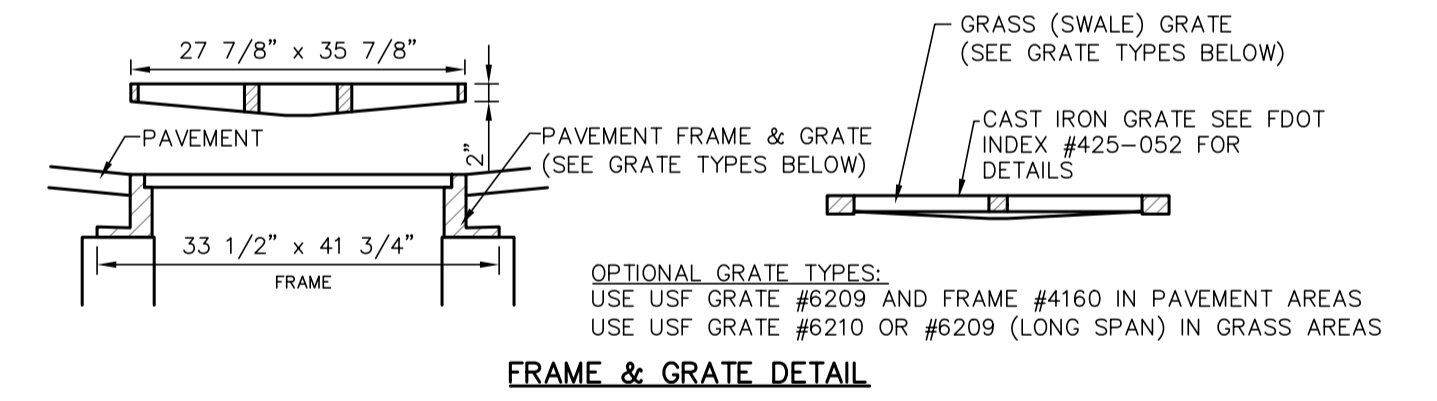
STORM DRAIN TRENCH
DR-SO-TRENCH.dwg (2011)
N.T.S.



18' AND 24' YARD DRAIN BASINS
N.C. 18-24-DRN (2002)
N.T.S.

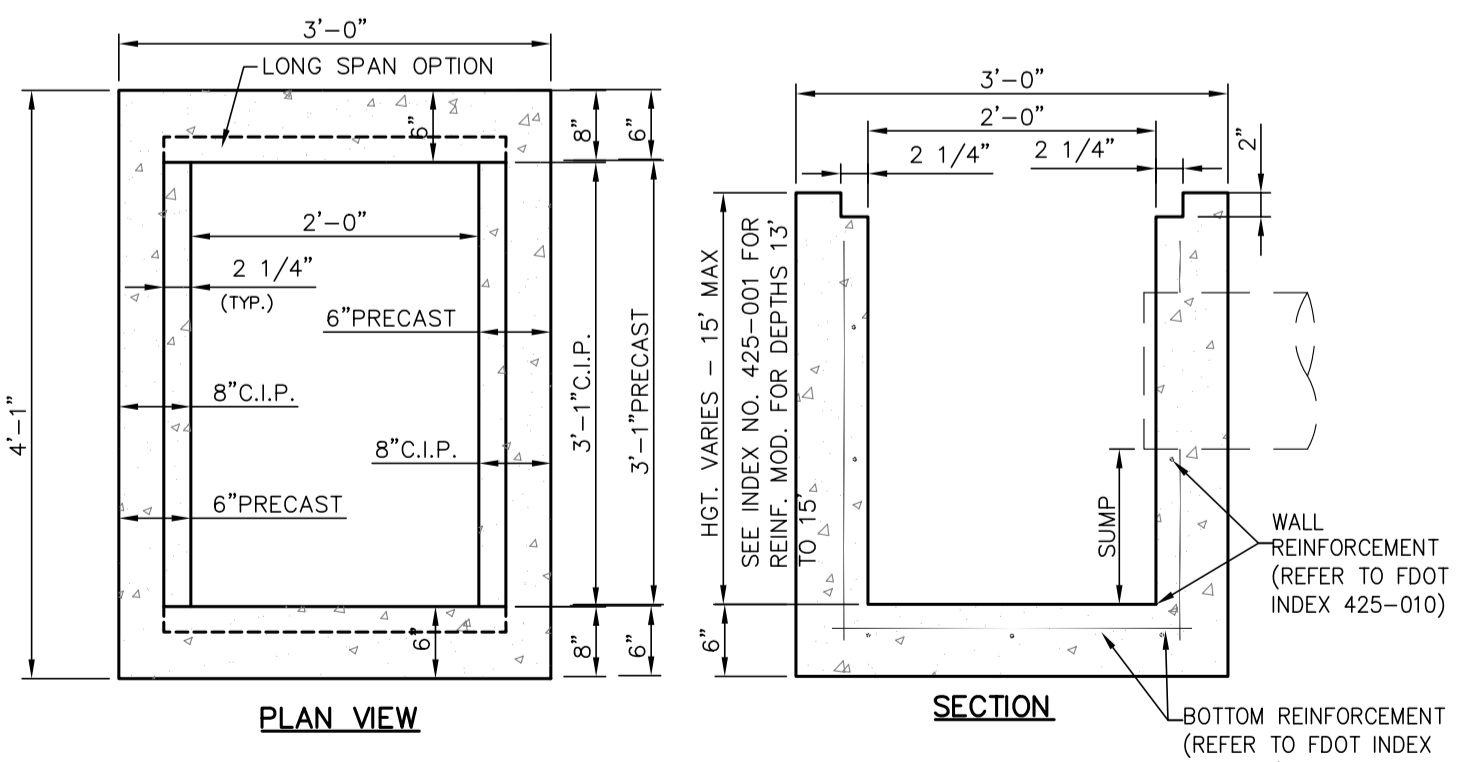


GUTTER DOWN SPOUT TO ROOF DRAIN HEADER S.D.
DR-DOWNSPOUT-TO-CONNECTION
N.T.S.



OPTIONAL GRATE TYPES:
USE USF GRATE #6209 AND FRAME #4160 IN PAVEMENT AREAS
USE USF GRATE #6210 OR #6209 (LONG SPAN) IN GRASS AREAS

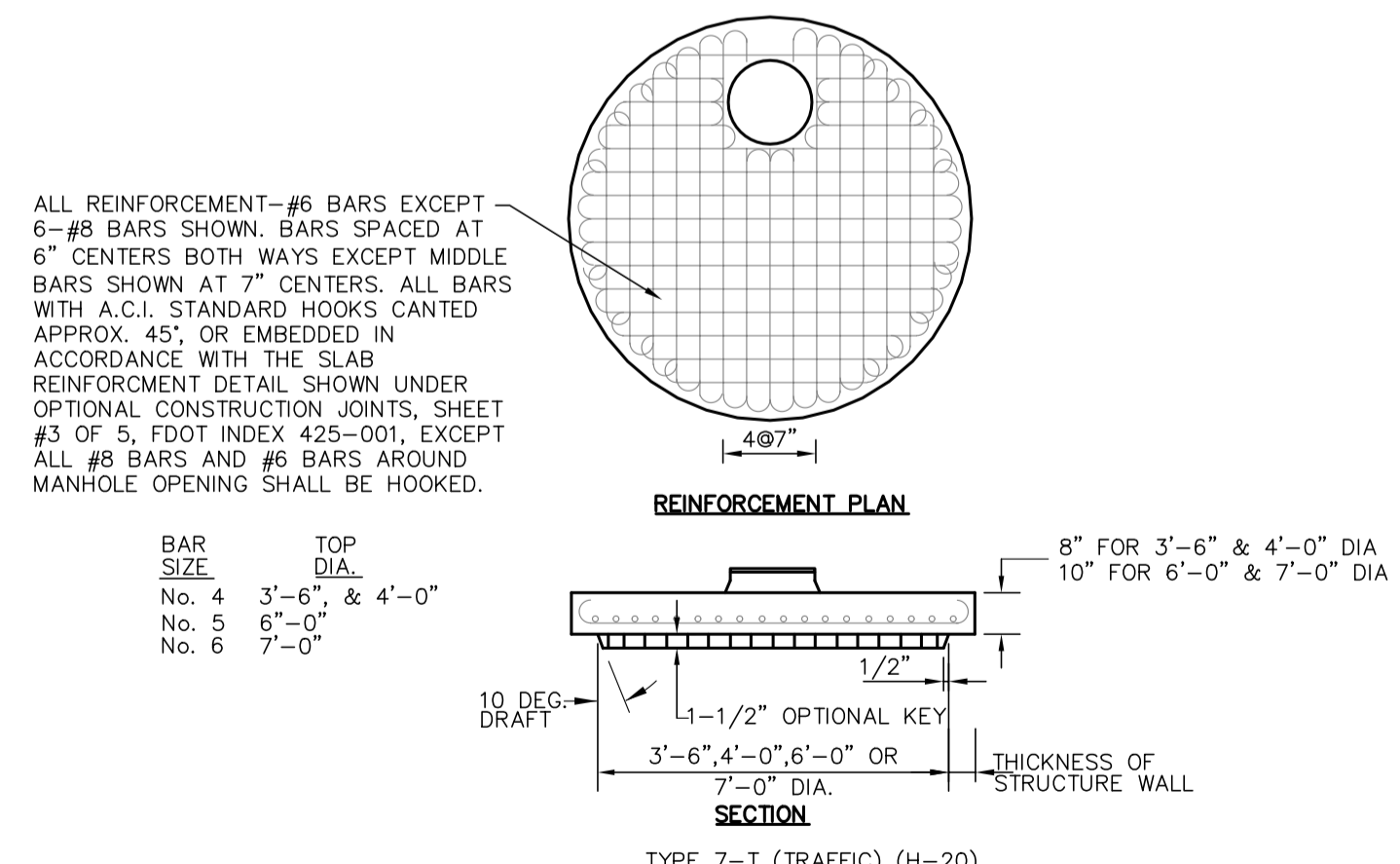
FRAME & GRATE DETAIL



RECOMMENDED MAXIMUM PIPE SIZES:
2'-0" WALL-18" PIPE
3'-1" WALL-24" PIPE

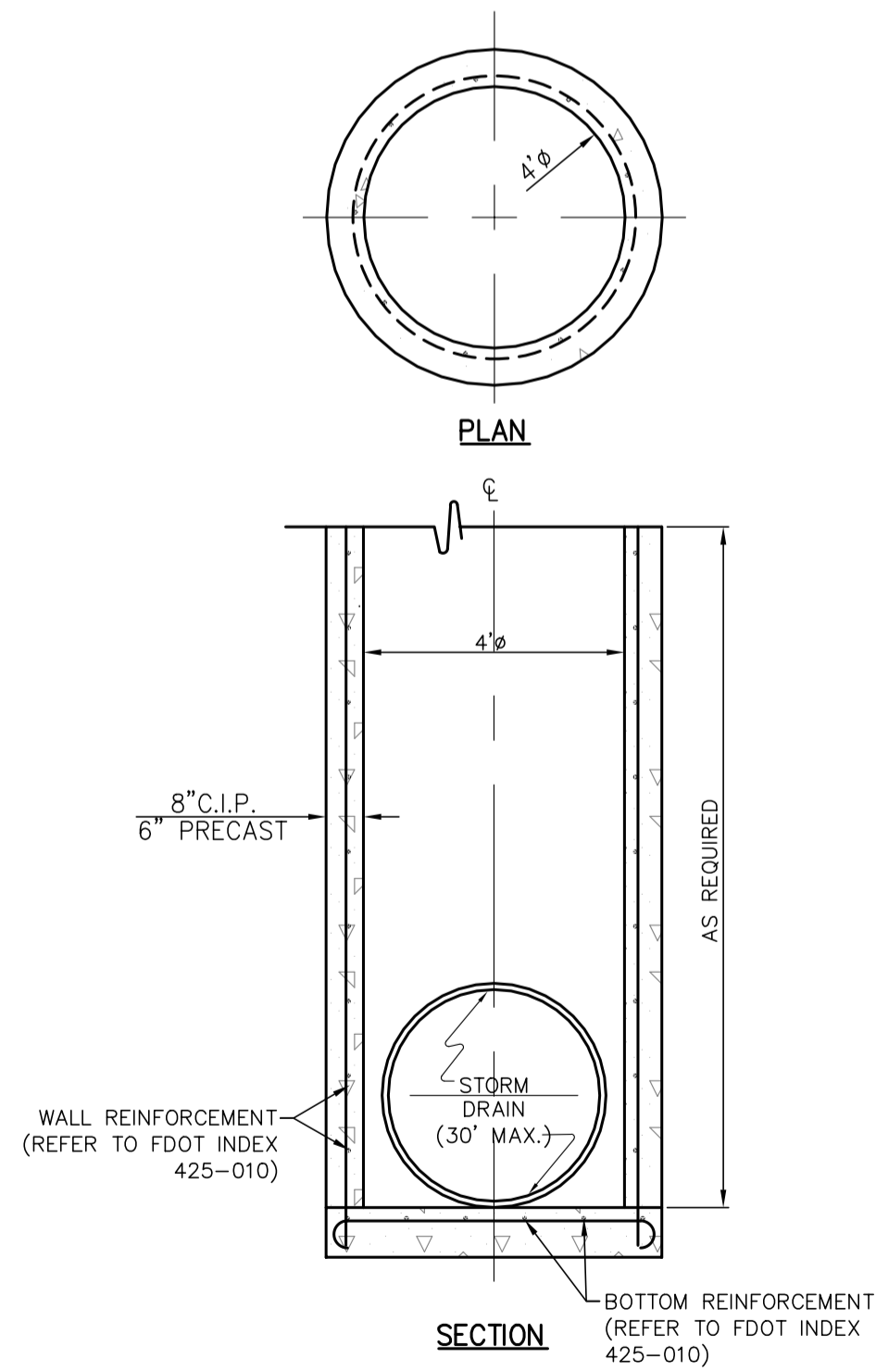
INLET NOTES:
1. REFER TO FDOT STANDARD INDEX NO. 425-010, 425-001, AND 425-052 FOR ADDITIONAL AND SUPPLEMENTARY DETAILS.
2. STRUCTURES MAY BE CAST IN PLACE OR PRECAST WITH CLASS I (MIN 3000 PSI) CONCRETE PER FDOT SECTION 425. CONCRETE AS SPECIFIED BY ASTM C-478 (MIN 4000 PSI) MAY BE USED IN PRECAST ITEMS MANUFACTURED IN PLANTS AS SPECIFIED IN FDOT STANDARD INDEX NO. 425-001.
3. R.C.P. SHALL BE REINFORCED CONCRETE PIPE CONFORMING TO F.D.O.T. SEC. 941.
4. PLACE SOD 4" ON ALL SIDES OF INLET IN GREEN AREAS UNLESS OTHERWISE NOTED.
5. ALL INLET GRATES SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
*AT INLETS INDICATED WITH SUMP, SEE PLANS.

TYPE 'C' INLET
N.C. TYPE-C.dwg (2008)
N.T.S.

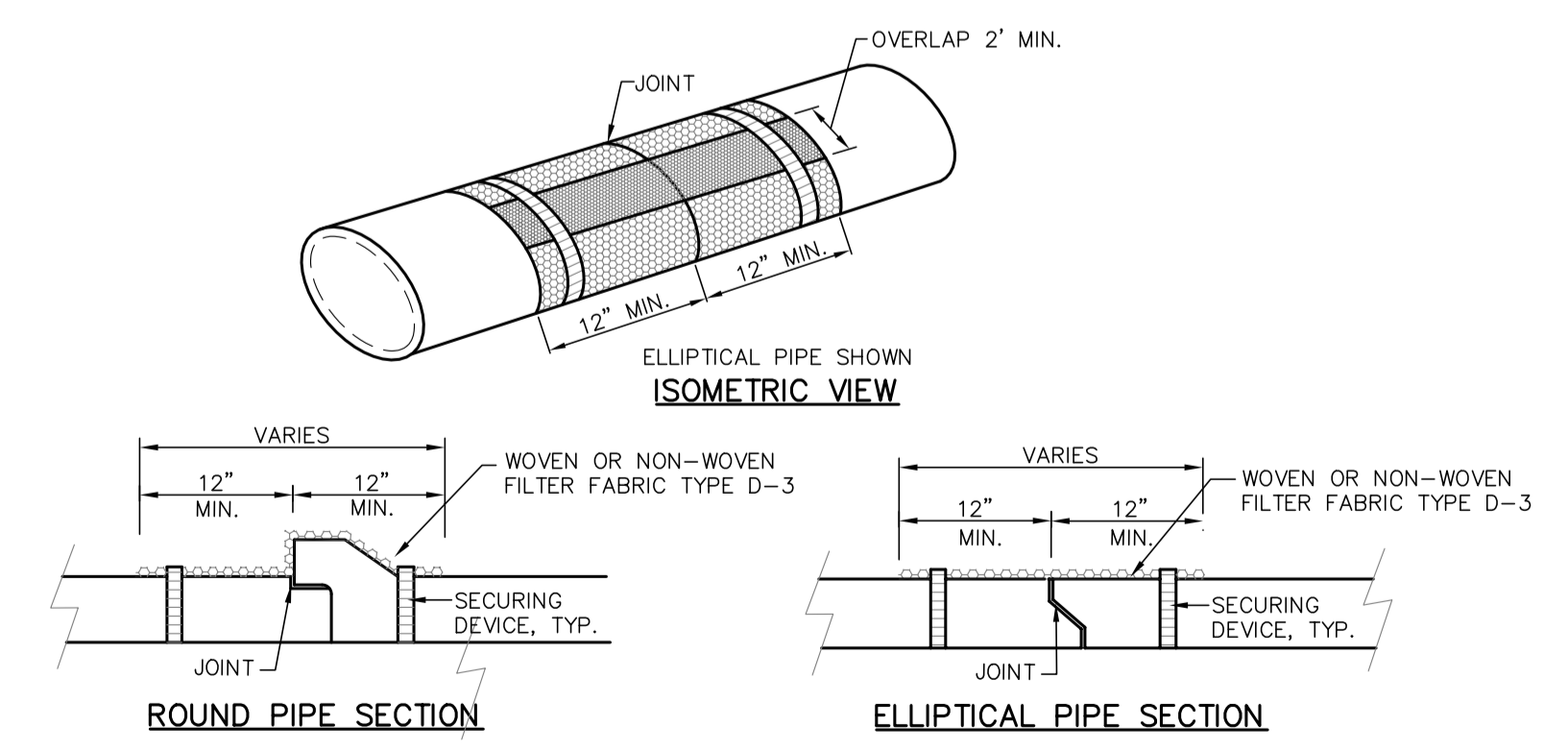


NOTES:
1. ALL STEEL BARS SHALL HAVE 1-1/4" MINIMUM COVER UNLESS OTHERWISE SHOWN AND SHALL BE HOOKED WHERE INDICATED.
2. MANHOLE TOP TYPE 7 SLABS MAY BE OF CLASS II CONCRETE. CONCRETE AS SPECIFIED IN ASTM C-478 MAY BE USED FOR PRECAST UNITS.
3. MANHOLE TOP TYPE 7 SLABS MAY BE OF CAST-IN-PLACE OR PRECAST CONSTRUCTION. THE OPTIONAL KEY IS FOR PRECAST TOPS AND IN LEIU OF DOWELS. FRAME AND SLAB OPENINGS ARE TO BE OMITTED WHEN TOP IS USED OVER A JUNCTION BOX. FRAMES CAN BE ADJUSTED WITH FROM ONE TO SIX COURSES OF BRICK.
4. MANHOLE TOPS SHALL BE SECURED TO STRUCTURES BY OPTIONAL CONSTRUCTION JOINTS AS SHOWN ON SHEET 3 OF 5, F.D.O.T. INDEX 425-001.
5. ALL COVERS TO BE TACK WELDED TO FRAMES AT THIRD POINTS OR GROUTED AT THIRD POINTS WITH EPOXY (TOTAL ELEVEN (11) OUNCES OF MIXED EPOXY).
6. THE 212 LB COVER IS THE REPLACEMENT FOR ALL PREVIOUS 1-1/4" DEEP FRAMES (TRAFFIC TYPE) THE 185 LB COVER IS THE REPLACEMENT FOR ALL ALL PREVIOUS 1/2" DEEP FRAMES (NON-TRAFFIC TYPE)
7. FOR STRUCTURE BOTTOMS, REFER TO F.D.O.T. STANDARD 425-010.

STRUCTURE COVERS
N.C. GRADE-7T.dwg (2008)
N.T.S.



INLET STRUCTURE BOTTOM
(FDOT) TYPE P
N.C. TYPE-P.dwg (2008)
N.T.S.



FILTER FABRIC JACKET
DR-FILTER-FABRIC (2008)
N.T.S.

CONCRETE PIPE SHOWN - COST OF FILTER FABRIC JACKET TO BE INCLUDED IN COST OF PIPE CULVERTS. (SEE F.D.O.T. INDEX 430-001)

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County CDC
7/23/2024

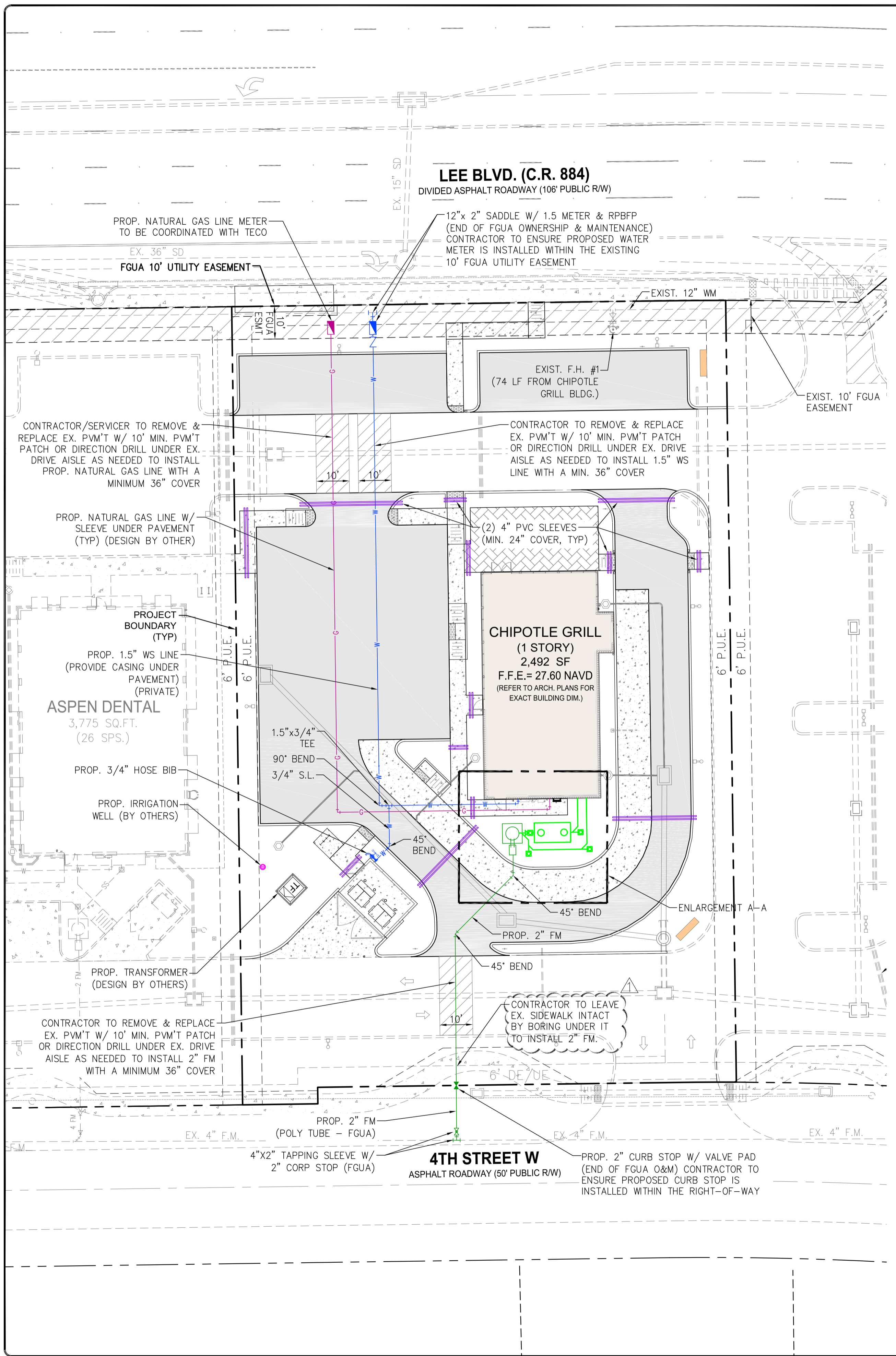
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04/23/24	BS	AS FIRST TO RESUBMITAL

AYALON ENGINEERING, INC.
2503 DEL PRADO BLVD. S #200
CAPE CORAL, FLORIDA 33904
FBFE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 4-282 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

TYPICAL INLETS AND DRAINAGE DETAILS



ESTIMATED UTILITY FLOWS

Potable Water:
Peak Flow ~ 3.50 GPM
Average Daily Flow: ~ 1,440 GPD
[PER FAC CHAPTER 64 E6]

Waste Water:
Peak Flow ~ 3.50 GPM
Average Daily Flow: ~ 1,440 GPD
[PER FAC CHAPTER 64 E6]

Irrigation:
Peak Flow (based on 10,677 S.F. of Open Space): ~ 14 GPM
Average Daily Flow (based on 1" per week (limited to 2 watering days/week): ~ 3,294 GPD

Fire Flow:
REFER TO ARCH. PLANS FOR DESIGN, NOTES & FIRE FLOW RATING CALCULATIONS.

Chipotle Grill Building Floor Area: 2,492 S.F.
The required fire flow is 1,500 GPM for NFPA Type V (000) [Per NFPA 1 Table 18.4.5.1.2]
The Building is not sprinkled. No fire flow reduction allowed.

Fire flow credits available from FH# 1: 1,500 GPM *

FIRE FLOW CREDITS (PER NFPA TABLE 18.5.4.3)			
DISTANCE	COUNT	CREDIT	TOTAL
FH < 250 FT.	1	1,500 GPM	1,500 GPM
FH > 250 FT. & ≤ 500 FT.	0	1,000 GPM	0 GPM
FH > 500 FT. & ≤ 1000 FT.	0	750 GPM	0 GPM

* FIRE HYDRANT #1 LOCATED 74' FROM CHIPOTLE GRILL BUILDING

LAFCRD FIRE FLOW TEST

Lehigh Acres Fire Control and Rescue District
Life Safety Division

Office Address: 638 Thomas Sherwin Ave S, Lehigh Acres, FL 33936
Phone: 239-303-5335
Email: LifeSafety@Lehighfd.com

Mailing Address: 11 Homestead Rd S, Lehigh Acres, FL 33936
Phone: 239-303-5300
Fax: 239-369-2436
www.Lehighfd.com

Fire Flow Test Report

Inspector: Ken Bennett Date: 12/15/2023 Time: 10:21

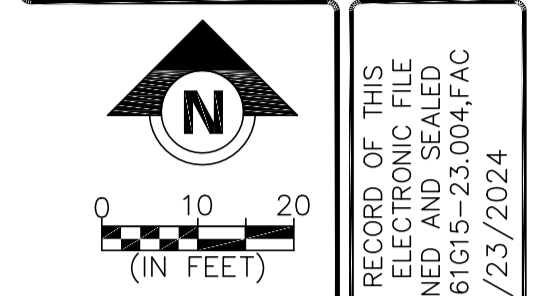
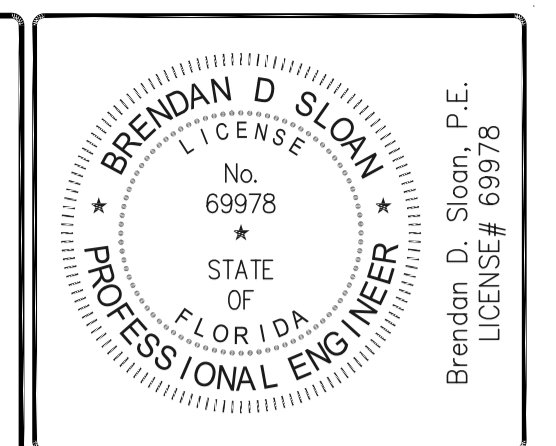
Requested by Firm: Avalon Engineering, Inc. Name: Terri Ross, Project Coordinator
Address: 2503 Del Prado Blvd S, Suite 200 Email Address: terri@avaloneng.com
City, State, Zip Code: Cape Coral, FL 33904
Phone: 239-573-2077 Project Name: Chipotle

Static / Residual Pressure Hydrant: LEH00016 - 2523 Lee Blvd
Flow Hydrant: LEH00113 - 2722 4th St W

Static Pressure: 52 PSI Test Duration: 6 Minutes
Residual Pressure: 48 PSI Estimated Water Used: 6422 Gallons

Outlet No. 1	Outlet No. 2
Inside Diameter of Hydrant Outlet = 2.5 inches	2.5 inches
Discharge Coefficient of Hydrant Outlet = 0.9	0.9
Pitot or Pressure Gauge Reading = 29 PSI	PSI
Min Fire Flow Pressure = 20 PSI	Test Flow = 903.60 GPM
	0.00 GPM
	Combined Flow of Outlets No. 1 & 2 = 903.60 GPM
Available Fire Flow @ 20 PSI = 2,777.43 GPM	

Coefficients: 0.7 - Squared Butt / 0.8 - Smooth Squared Butt / 0.9 - Smooth and Round Butt Page 1 of 2



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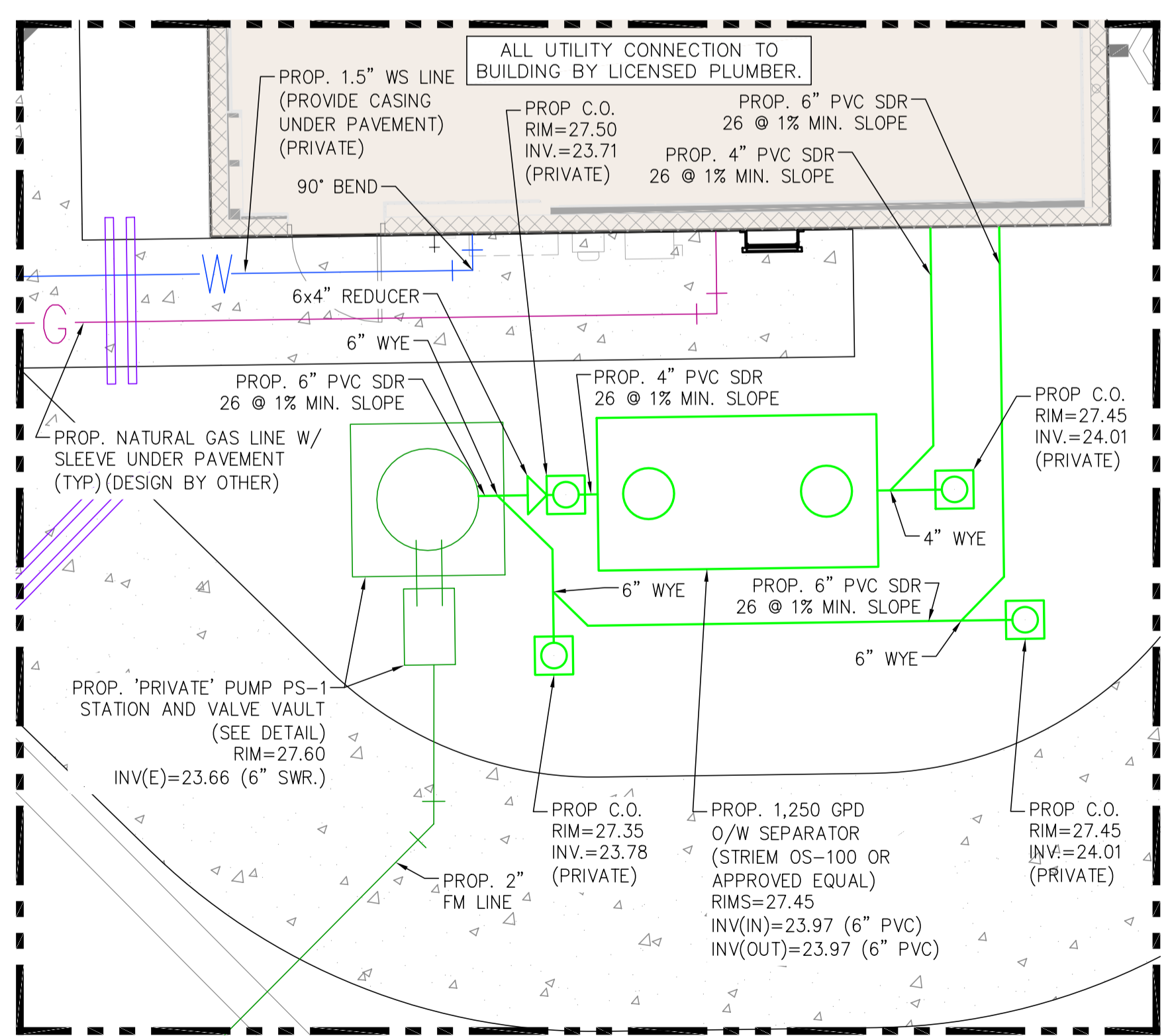
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AVALON ENGINEERING, INC.
2503 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBFE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT 73 4TH STREET WSP
LEE COUNTY, FLORIDA 33971

UTILITY PLAN

#23-121/CONST. 12 OF 17



ENLARGEMENT A-A
SCALE: 1"=5'

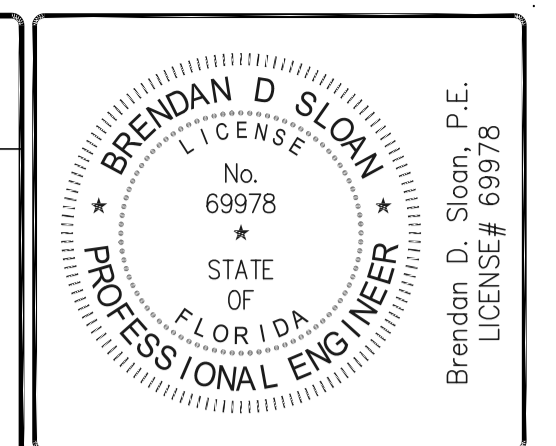
LEGEND

- PROP. WATER MAIN & G.V.
- METER AND/OR BACKFLOW DEVICE
- FIRE HYDRANT ASSEMBLY
- PROP. D.I.P. WATER LINE
- PROP. SANITARY SEWER MAIN (SDR 26 PVC) & MANHOLE
- SANITARY SEWER LATERAL W/ CLEANOUT
- PROP. SEWER FORCE MAIN/PUMP STATION
- FIRE MAIN & SERVICE (DESIGN & INSTALLATION BY OTHERS)
- (2) 4" PVC SLEEVES AT 24" MIN. COVER
- PROP. IRRIGATION
- PROP. GAS MAIN

UTILITY NOTES:

1. GENERAL UTILITY NOTES, REFER TO SHEET 2
2. ALL INTERNAL SEWER, WATER AND IRRIGATION SERVICES & LATERALS ARE "PRIVATELY OWNED AND MAINTAINED" AND TO BE SUPPLIED & INSTALLED BY SITE CONTRACTOR.
3. UTILITY (WATER & SEWER) CONNECTIONS TO PROPOSED BUILDING TO BE INSTALLED BY LICENSED PLUMBER.
4. WATER PIPE 2" AND SMALLER TO BE POLYVINYL CHLORIDE (PVC) AND SHALL CONFORM TO ASTM D-1785, PVC CLASS 1120 OR 1220 SCHEDULE 80, 30" MINIMUM COVER.
5. CONTRACTOR SHALL VERIFY EXISTING F.G.U.A. INCLUDING WATER MAIN & FORCE MAIN LOCATIONS & DEPTHS PRIOR TO CONSTRUCTION
6. BUILDING FINISH FLOOR ELEVATION: 27.60 (NAVD)
7. LOCATION OF (2) 4" PVC SLEEVES (24" MIN. COVER) FOR IRRIGATION AND/OR LIGHTING MAY BE FIELD ADJUSTED PER OWNER OR OWNER REPRESENTATIVE.
8. CONTRACTOR TO COORDINATE W/TECO GAS FOR GAS MAIN DESIGN, INSTALLATION AND PERMITTING
9. IRRIGATION WELL LOCATED AND DESIGNED BY OTHERS.

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024



Brendan D. Sloan, P.E.
LICENSE # 69978

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004-FAC ON 4/23/2024

DATE	BY	REVISION DESCRIPTION
02/09/24	IBS	INITIAL DO SUBMITTAL
04/23/24	IBS	1st REVISION

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2503 DEL PRADO BLVD., S #200
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FBFE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
10000 W. STATE STREET WEST
LEE COUNTY, FLORIDA 33971

LEE COUNTY UTILITY
DETAILS (A)

TAPPING SLEEVE AND VALVE

N.T.S.

- 1 CONCRETE PAD (SEE VALVE INSTALLATION DETAIL)
- 2 SET TOP OF BOX FLUSH WITH FINISHED GRADE
- 3 EXTENSION STEM IF TOP OF OPERATING NUT IS MORE THAN 30" BELOW FINISH GRADE
- 4 VALVE BOX (SEE VALVE INSTALLATION DETAIL)
- 5 OUTLET FOR TESTING
- 6 MJ RESTRAINED
- 7 MAIN SIZE VARIES
- 8 TAPPING VALVE (SEE VALVE INSTALLATION DETAIL)
- 9 LCU APPROVED ALL STAINLESS STEEL PRESSURE RATED TAPPING SLEEVE. FOR SIZE ON SIZE TAPS A FLANGED TAPPING SLEEVE IS REQUIRED. SPRING LOADED TAPPING SLEEVE IS REQUIRED WHEN CONNECTING TO HDPE (SEE APPROVED MATERIAL LIST).
- 10 BRASS PLATE (SEE VALVE INSTALLATION DETAIL)
- 11 CAST IRON DROP COVER MARKED "WATER", "SEWER", OR "REUSE"
- 12 COMPACTED SUITABLE EARTH BACKFILL
- 13 3/4" GRANULAR MATERIAL #57 STONE
- 14 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

REV: 12/10/2015

VALVE INSTALLATION

N.T.S.

- 1 BRASS PLATE: SIZE OF VALVE, VALVE TYPE No. OF TURNS & DIRECTION TO OPEN VALVE M.F.G. & YEAR INSTALL SYSTEM "WATER" OR "SEWER" OR "REUSE" OR "FIRE"
- 2 ANCHOR
- 3 EIGHT (8) #4 BARS OVERLAP EACH CORNER BY 2"
- 4 30" SQ X 4" THK CONC. PAD SURROUNDING BOX, MIN. 3,000 P.S.I. POURED IN PLACE
- 5 SET TOP OF BOX FLUSH WITH FINISHED GRADE
- 6 HEAVY DUTY TRAFFIC BEARING CAST IRON VALVE BOX, ADJUSTABLE SCREW TYPE, 5 1/4" DIAMETER SHAFT THAT IS LCU APPROVED
- 7 EXTENSION STEM WITH 2" OPERATING NUT AS REQUIRED, IF NUT IS MORE THAN 30" BELOW FINISH GRADE
- 8 RISER NOT TO BEAR ON VALVE OR PIPE
- 9 CAST IRON DROP COVER MARKED "WATER" OR "SEWER" OR "REUSE" OR "FIRE"
- 10 COMPACTED SUITABLE EARTH BACKFILL
- 11 3/4" GRANULAR MATERIAL #57 STONE
- 12 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE (SEE LCU STANDARD DETAIL)

REV: 12/10/2015

LOCATING WIRE FOR PRESSURE MAINS

N.T.S.

NOTES

- 1 WIRE SHALL BE CONTINUOUS BETWEEN VALVE BOXES. THE PVC RISER PIPE SHALL BE NOTCHED AND THE WIRE ATTACHED TO THE RISER PIPE TO ALLOW FOR THE WIRE TO FIT INSIDE THE CAST IRON VALVE BOX WITHOUT SHEARING THE WIRE.
- 2 LOCATING WIRE SHALL BE LAID ON TOP OF THE MAIN, AND SHALL BE TAPED TO IT AT 10' INTERVALS AND TAPED AT ALL FITTINGS. TAPE SHALL BE 10 MIL POLYETHYLENE.
- 3 CONTRACTOR SHALL CONDUCT A CONTINUITY TEST ON ALL LOCATING WIRE SPLICES PRIOR TO SCHEDULING THE OFFICIAL FINAL INSPECTION WITH LCU.
- 4 ALL SPLICES SHALL UTILIZE A DIRECT BURY WATERPROOF SPLICE KIT (SEE APPROVED MATERIAL LIST)

- 1 SPLICE RUN TOGETHER, KEEP CLEAR OF FITTING, TYPICAL
- 2 COVER SPLICE WITH 2 WRAPS OF 10 MIL POLYETHYLENE TAPE
- 3 6" LOOP OF BARE WIRE, 9" MAX. DEPTH TO TOP OF BARE WIRE
- 4 12 GAUGE DOUBLE INSULATED COPPER LOCATING WIRE
- 5 SPLICE (SEE DETAIL THIS SHEET)

REV: 12/10/2015

TRENCH CROSS SECTION

N.T.S.

- 1 EXCAVATED TRENCH
- 2 FINISHED GRADE
- 3 MARKING TAPE 12" DEPTH MAX.
- 4 MATERIALS CLEAN DRY SAND, FINE LIME ROCK OR PIT SHELL MECHANICALLY COMPACTED IN 6" LIFTS TO AT LEAST 95% OF MAX. DENSITY, OR 98% IF UNDER PAVED AREA OF ROADWAY.
- 5 #57 STONE LOCATED UNDER PIPE OR EXISTING UNDISTURBED SUITABLE MATERIAL
- 6 SPRING LINE
- 7 STANDARD 6" MIN TRENCH UNDERCUT AND BACKFILL WITH #57 STONE COMPACTED IN 6" LIFTS ADDITIONAL UNDERCUT AND CRUSHED ROCK BEDDING FOUNDATION WHEN DIRECTED BY L.C.U. THE CONTRACTOR IS TO REMOVE UNSTABLE MATERIAL FROM THE TRENCH FOUNDATION. THEN INSTALL STABILIZED CRUSHED ROCK BACKFILL WITH #57 STONE COMPACTED IN 6" LIFTS

REV: 12/10/2015

WATER AND SEWER CROSSING DETAIL

N.T.S.

SECTION CROSSINGS

- 1 WATER MAIN
- 2 SANITARY SEWER MAIN

NOTE: IF LESS THAN 18" CLEARANCE ENCASE WATER MAIN IN STEEL CASING

PLAN PARALLEL

- 1 WATER MAIN
- 2 SANITARY SEWER MAIN

NOTE: IF LESS THAN 10' CLEARANCE ENCASE WATER MAIN IN STEEL CASING

REV: 12/10/2015

WASTE WATER FORCE MAIN VERTICAL OFFSET WITH FITTINGS, (P.V.C.)

N.T.S.

- 1 LCU APPROVED JOINT RESTRAINT FOR P.V.C., M.J. PIPE AND FITTINGS PLACED IN ACCORDANCE WITH JOINT RESTRAINT SCHEDULE. (SEE DETAIL 6.12)
- 2 CONFLICT PIPE
- 3 LCU APPROVED C-900 PVC DR 14
- 4 18" MIN. UNLESS OTHERWISE APPROVED BY LCU
- 5 45° MECHANICAL JOINT FITTING, TYPICAL
- 6 12 GAUGE DOUBLE INSULATED COPPER WIRE (SEE LCU STANDARD DETAIL)

REV: 12/10/2015

RESTRAINED LENGTH SCHEDULE

N.T.S.

DUCTILE IRON PIPE

PIPE SIZE (Inches)	MINIMUM RESTRAINED PIPE LENGTH (FEET)				DEAD END	HORIZONTAL TEE
	90°	45°	22-1/2'	11-1/4'		
4	17	7	4	2	29	6
6	23	10	5	2	40	17
8	29	12	6	3	53	29
10	35	14	7	4	63	38
12	41	17	8	4	74	49
16	51	21	11	5	94	68
24	69	29	14	7	131	105
30	81	34	17	8	156	129

PVC PIPE

PIPE SIZE (Inches)	MINIMUM RESTRAINED PIPE LENGTH (FEET)				DEAD END	HORIZONTAL TEE
	90°	45°	22-1/2'	11-1/4'		
4	20	8	4	2	45	8
6	29	12	6	3	63	25
8	36	15	8	4	83	43
10	44	18	9	5	99	58
12	51	21	11	5	116	74
16	63	26	13	7	149	103
24	87	36	18	9	208	158
30	102	42	21	10	248	194

A COMPLETE JOINT RESTRAINING SCHEDULE FOR ALL ENCOUNTERED VERTICAL & HORIZONTAL BENDS, VERTICAL OFFSETS, TEES, AND DEAD ENDS SHALL BE THE RESPONSIBILITY OF THE DESIGN ENGINEER.

LENGTH FIGURES BASED ON FOLLOWING:
Pressure = 150 psi, FS = 1.5, trench type = 3, 30" cover on Bare pipe, Soil type = GP & SP

REV: 12/10/2015

TEMPORARY CONSTRUCTION JUMPER WITH METER

N.T.S.

NOTES:

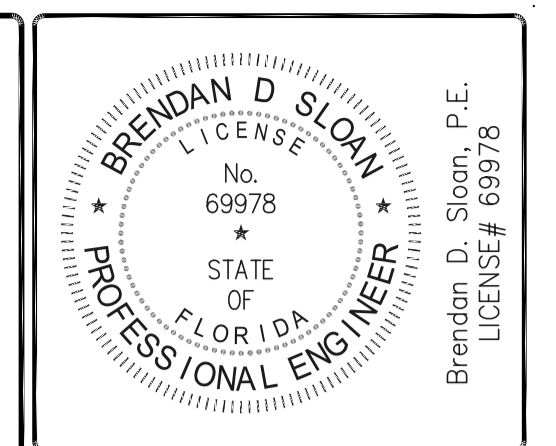
CONTRACTOR/CUSTOMER SHALL APPLY AT LEE COUNTY UTILITIES FOR TEMPORARY WATER SERVICE FIVE DAYS PRIOR TO REQUIRED SERVICE DATE. THE METER ONLY WILL BE FURNISHED BY LEE COUNTY UTILITIES. ALL FITTINGS, PIPING, VALVES AND MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR/CUSTOMER. THE APPROVED BACKFLOW PREVENTION DEVICE SHALL BE TESTED AND CERTIFIED BY LEE COUNTY UTILITIES APPROVED CERTIFIED BACKFLOW PREVENTION TECHNICIAN (FURNISHED BY CONTRACTOR/CUSTOMER) AT TIME OF METER INSTALLATION. CONTRACTOR/CUSTOMER SHALL PROTECT THE ASSEMBLY FROM DAMAGE. TEMPORARY CONSTRUCTION JUMPER/METER ASSEMBLY SHALL NOT BE REMOVED UNTIL SYSTEM IS ACCEPTED AND DEPARTMENT OF HEALTH CERTIFICATION AND CLEARANCE FOR SERVICE FORM HAS BEEN RECEIVED BY LEE COUNTY UTILITIES. WHEN THE NEW SYSTEM IS ACCEPTED, THE TEMPORARY CONSTRUCTION JUMPER METER ASSEMBLY MUST BE COMPLETELY REMOVED DOWN TO CORP STOPS.

- 1 TAPPING SLEEVE AND VALVE TO BE FULLY RESTRAINED ON EXISTING MAIN (SEE LCU STANDARD DETAIL)
- 2 GRADE
- 3 PROPERTY LINE AND/OR RIGHT OF WAY LINE
- 4 BRONZE BALL VALVE
- 5 METER FURNISHED BY LEE COUNTY UTILITIES
- 6 REDUCED PRESSURE BACKFLOW PREVENTER
- 7 PIPE STAND (SEE LCU STANDARD DETAIL)
- 8 2" DIA. HDPE DR9
- 9 2" DIA. CORPORATION STOP
- 10 2" DIA. CURB STOP

REV: 12/10/2015

APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024

VERTICAL ELEVATIONS BASED ON: NAVD 88



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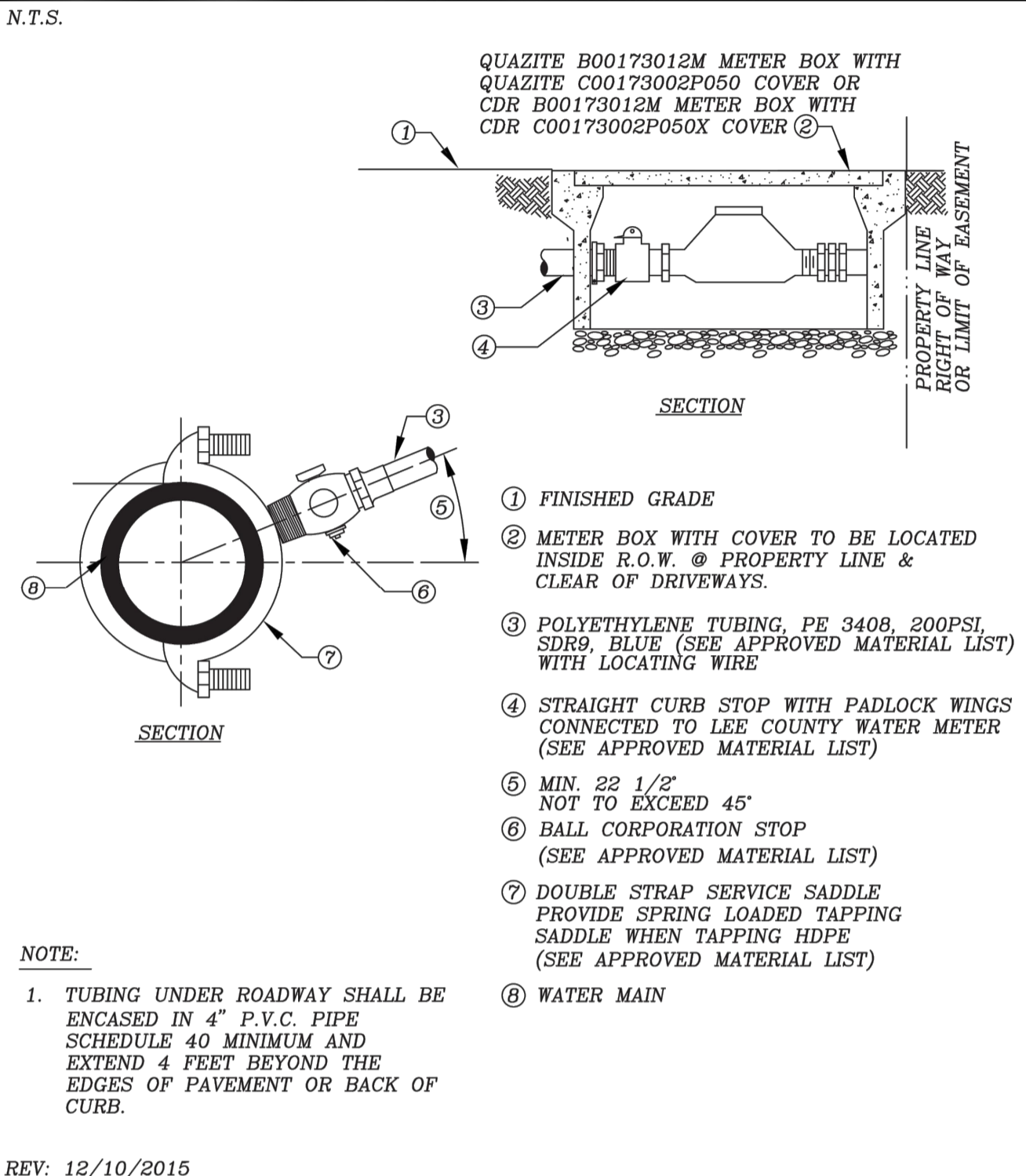
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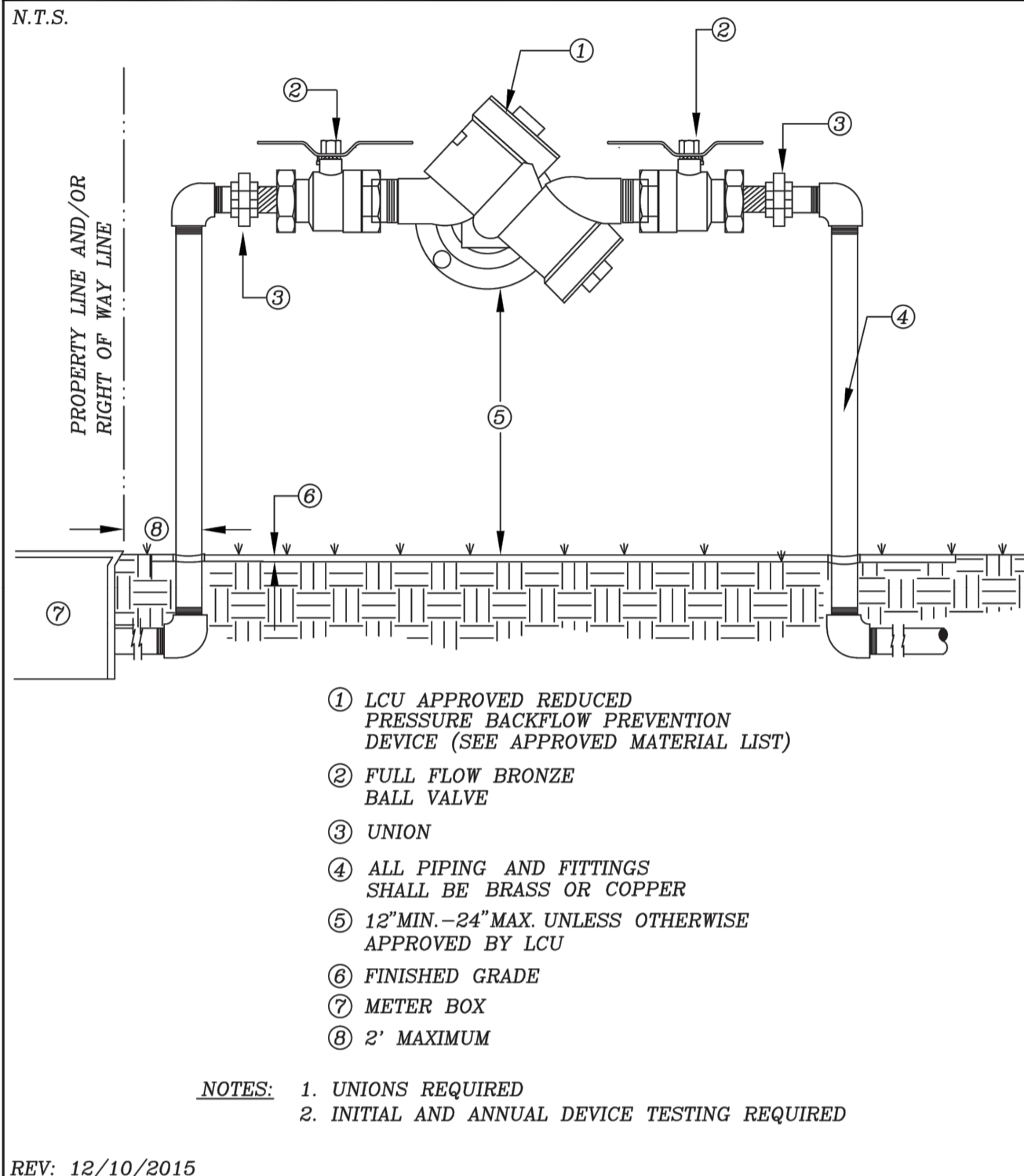
CHIPOTLE GRILL
 COMMERCIAL DEVELOPMENT
 TRACT #3 ON 4TH STREET WEST
 LEE COUNTY, FLORIDA 33971

LEE COUNTY UTILITY
 DETAILS (B)

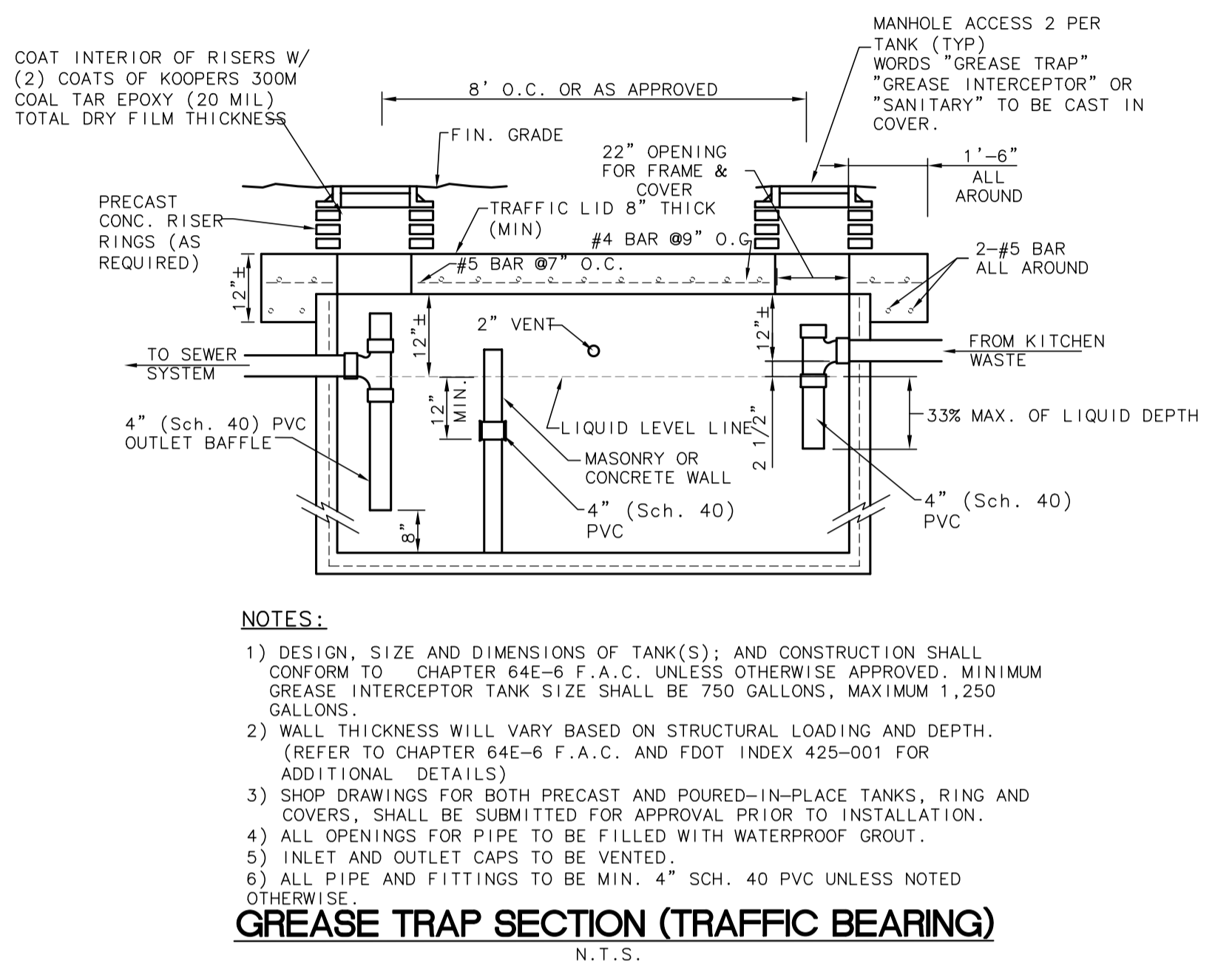
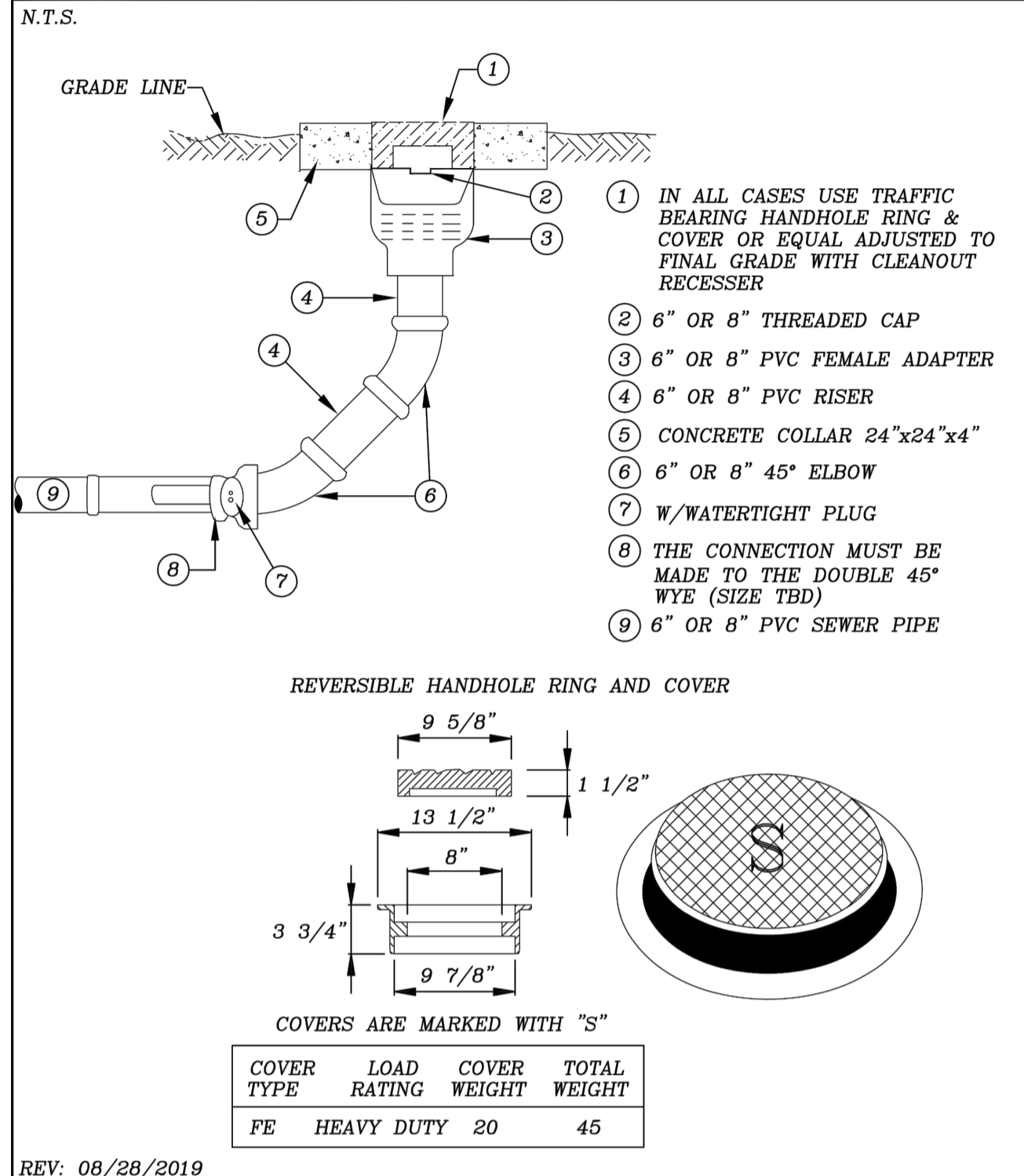
WATER SERVICE INSTALLATION 1-1/2" THROUGH 2"



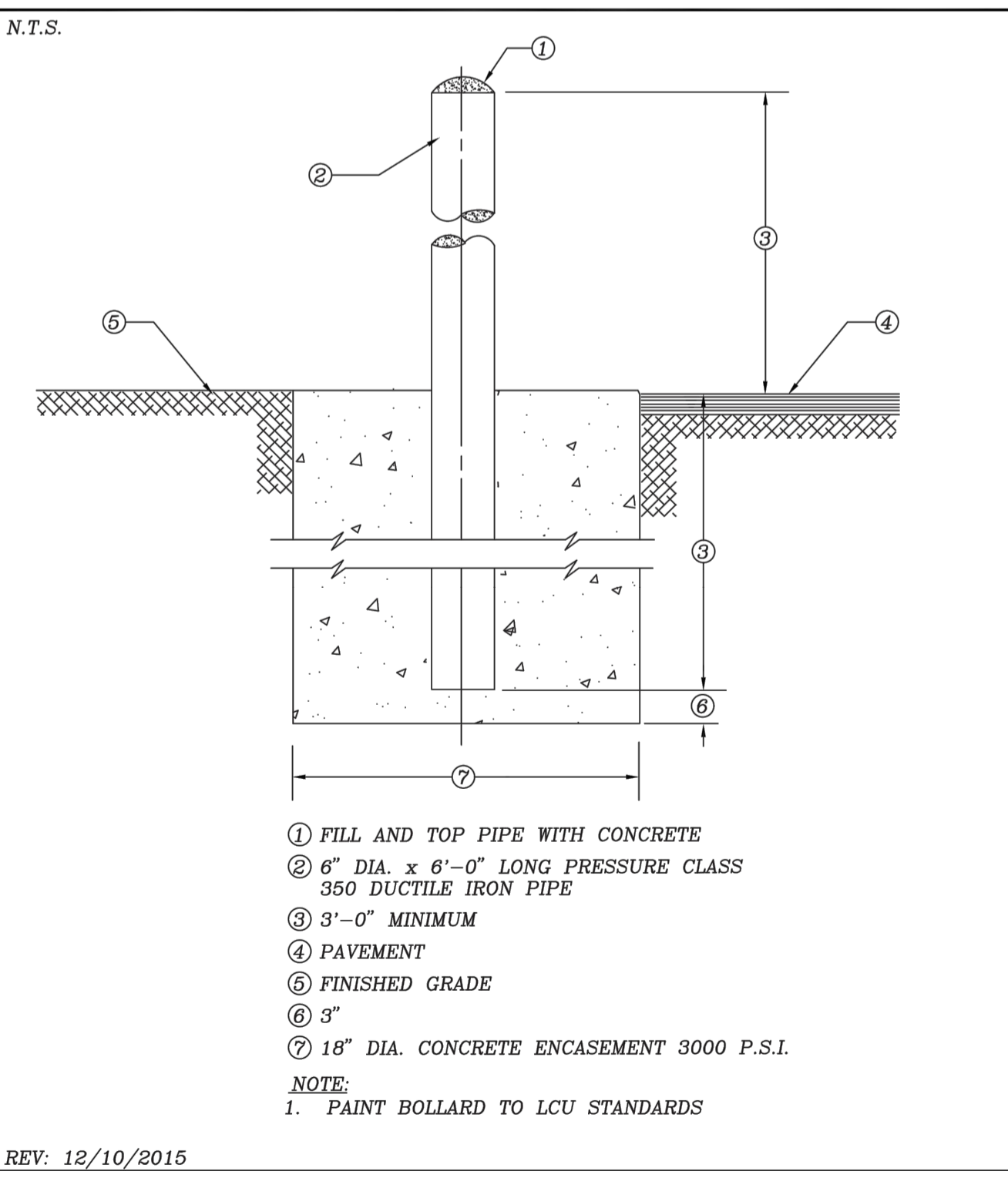
3/4" TO 2" CROSS CONNECTION CONTROL ASSEMBLY



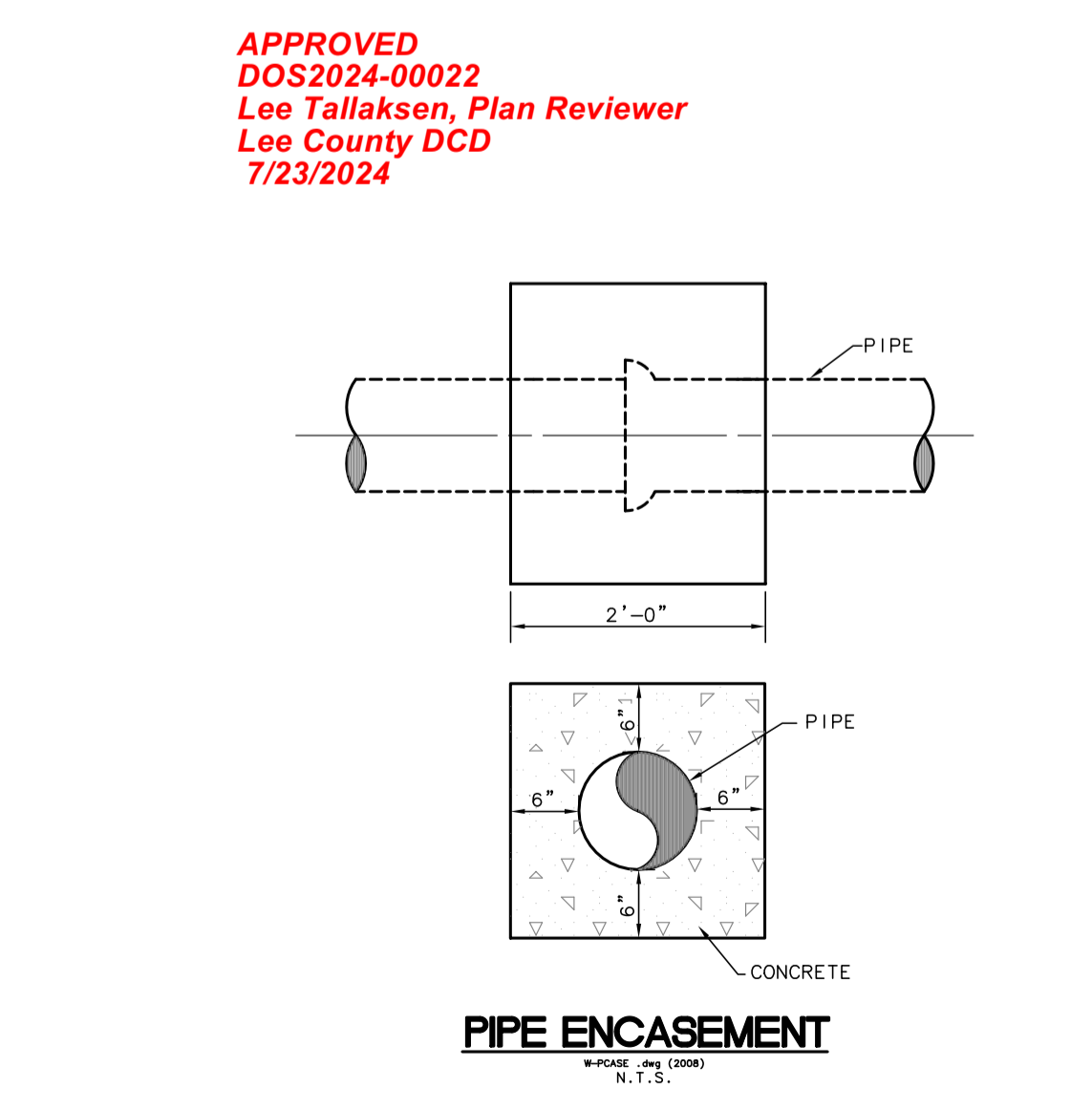
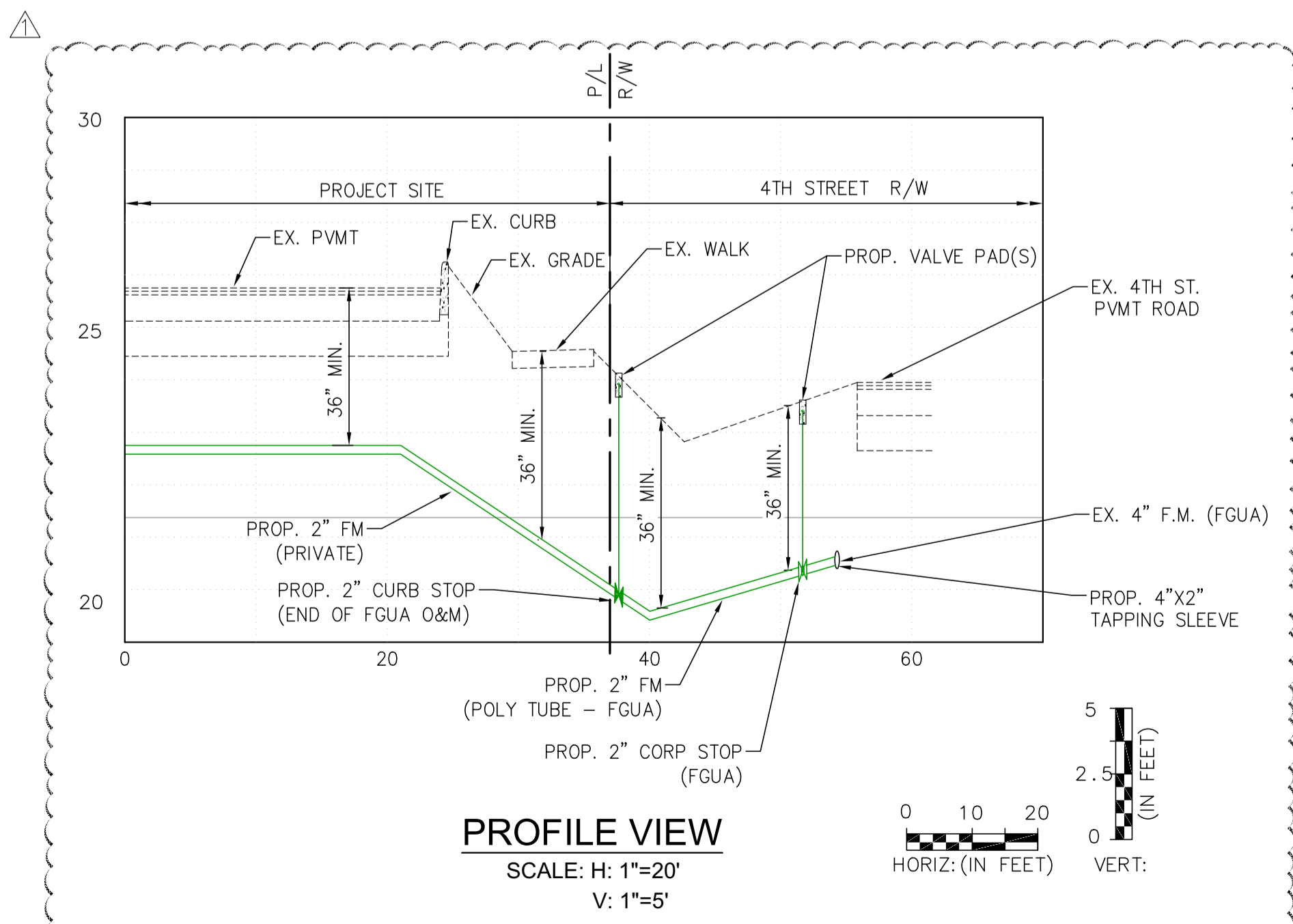
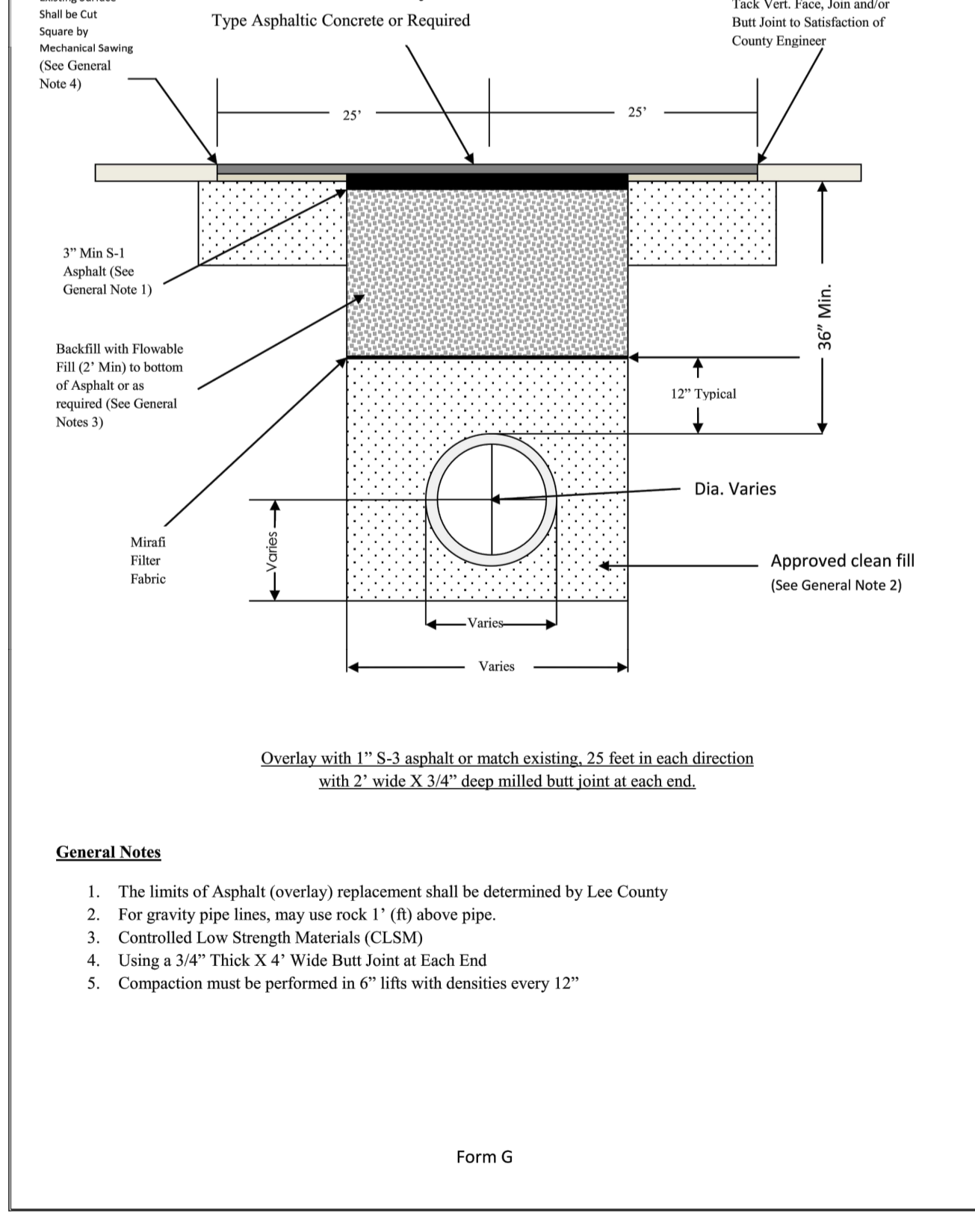
6" OR 8" SEWER CLEAN-OUT DETAIL



BOLLARD POST DETAIL



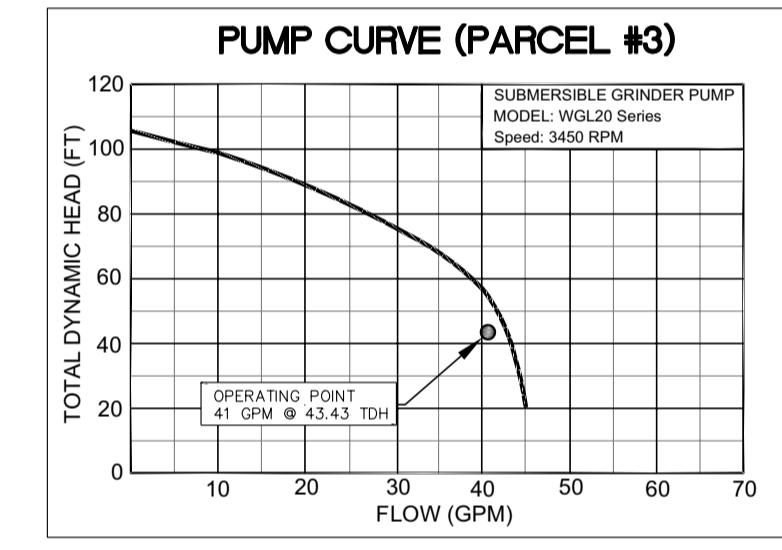
Trench Restoration detail for Lee County Maintained Roads



PS #1 TABLE

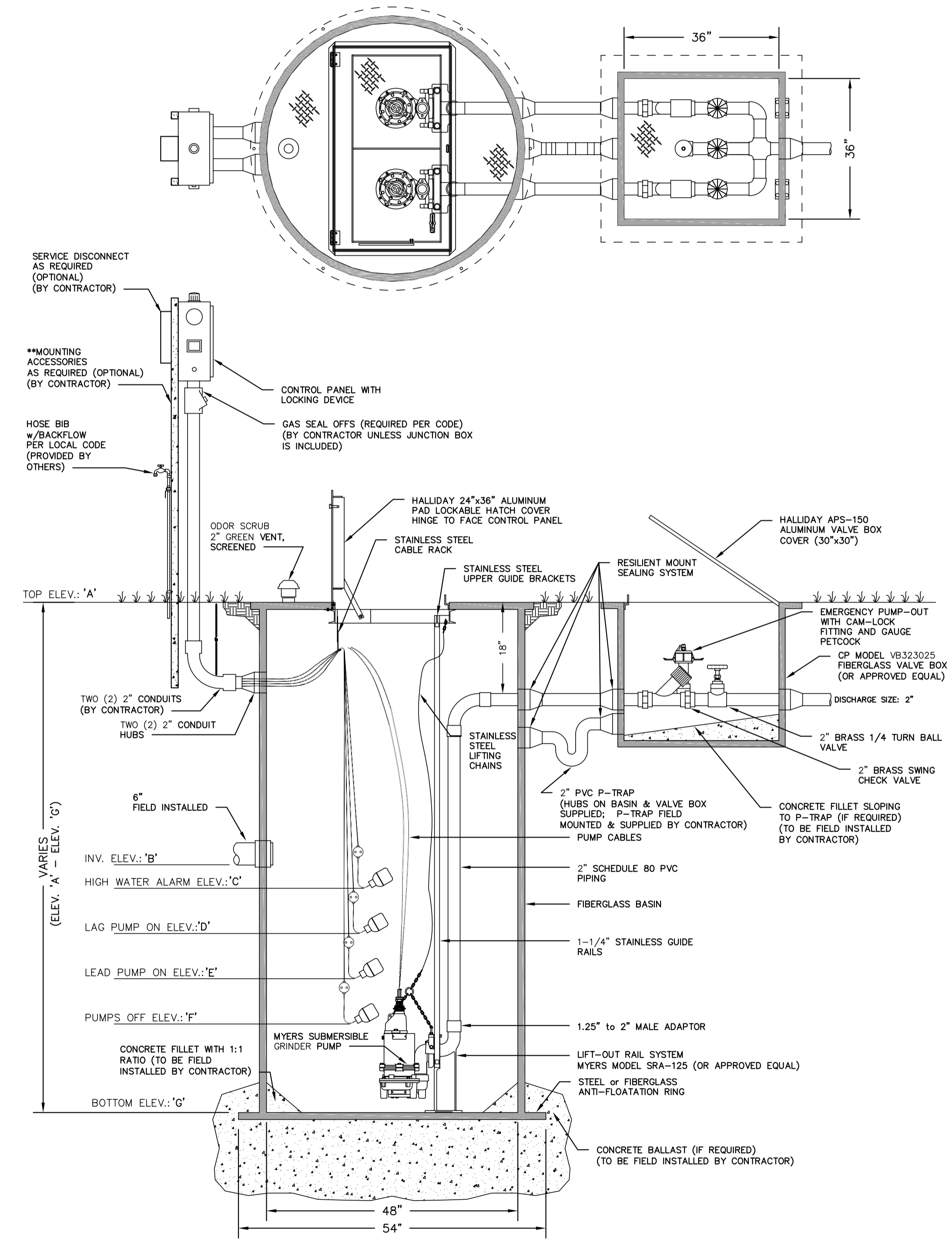
NUMBER OF PUMPS		# 1	# 2
PUMP MANUFACTURER		MYERS	MYERS
PUMP MODEL NUMBER		WGL20	WGL20
IMPELLER NUMBER		RECESSED CAST IRON	RECESSED CAST IRON
TYPE OF PUMP		GRINDER	
DESIGN CAPACITY PER PUMP		41	(GPM)
TOTAL DYNAMIC HEAD		43.40	(FEET)
DESIGN SPEED		3450	(PRM)
MIN. HORSEPOWER PER PUMP		2	(HP)
VOLTS		200	(VOLTS)
PHASE POWER		3	(PH)
PUMP DISCHARGE SIZE		2	(INCHES)
DIAMETER RISER PIPE		2	(INCHES)
PUMP ON ELEVATION	'E'	22.16	22.66 (FEET)
HIGH WATER ALARM	'C'	23.16 (FEET)	
PUMP OFF ELEVATION	'F'	22.06 (FEET)	
DIAMETER PIPE AFTER RISER		2	(INCHES)
DIAMETER WETWELL (I.D.)		4	(FEET)
TOP OF WETWELL ELEVATION	'A'	27.60 (FEET)	
BOTTOM ELEVATION	'G'	21.06 (FEET)	
INFLUENT GRAVITY PIPE INVERT	'B'	23.66 (FEET)	

BASIS OF DESIGN			
	A.D.F. (gpm)	P.H.F. (gpm)	PEAK ERU (1 ERU=290 gpd)
CHIPOTLE GRILL	1.00	3.50	22.4



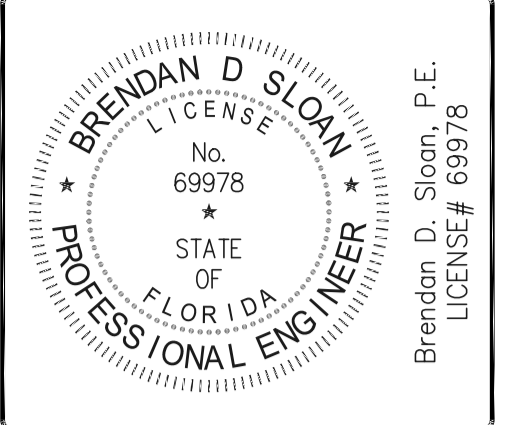
WET WELL NOTE:

FIBERGLASS WET WELL MAY BE USED AS AN ALTERNATIVE TO THE CONCRETE WET WELL AS SHOWN. IF A FIBERGLASS WET WELL IS PROPOSED, THE CONTRACTOR MUST PROVIDE SPECIFICATIONS AND BUOYANCY CALCULATIONS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.



APPROVED
 DOS2024-00022
 Lee Tallaksen, Plan Reviewer
 Lee County DCD
 7/23/2024

VERTICAL ELEVATIONS BASED ON: NAVD 88



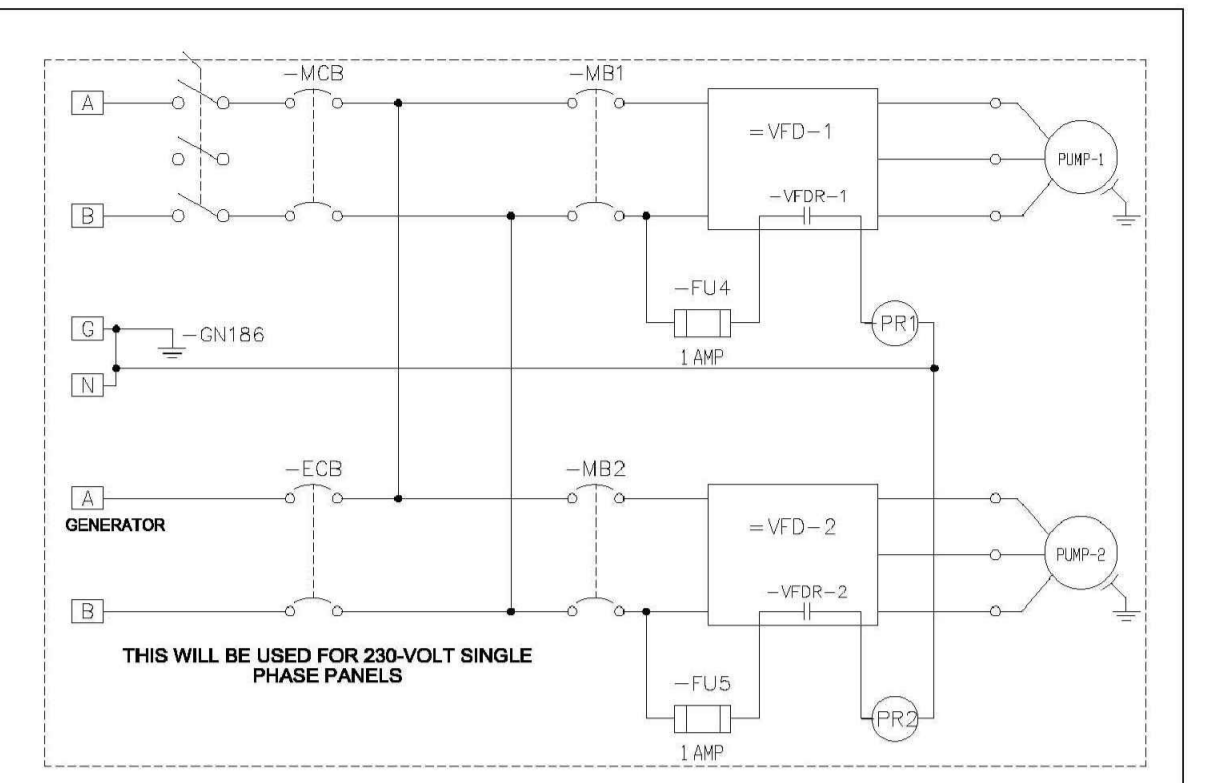
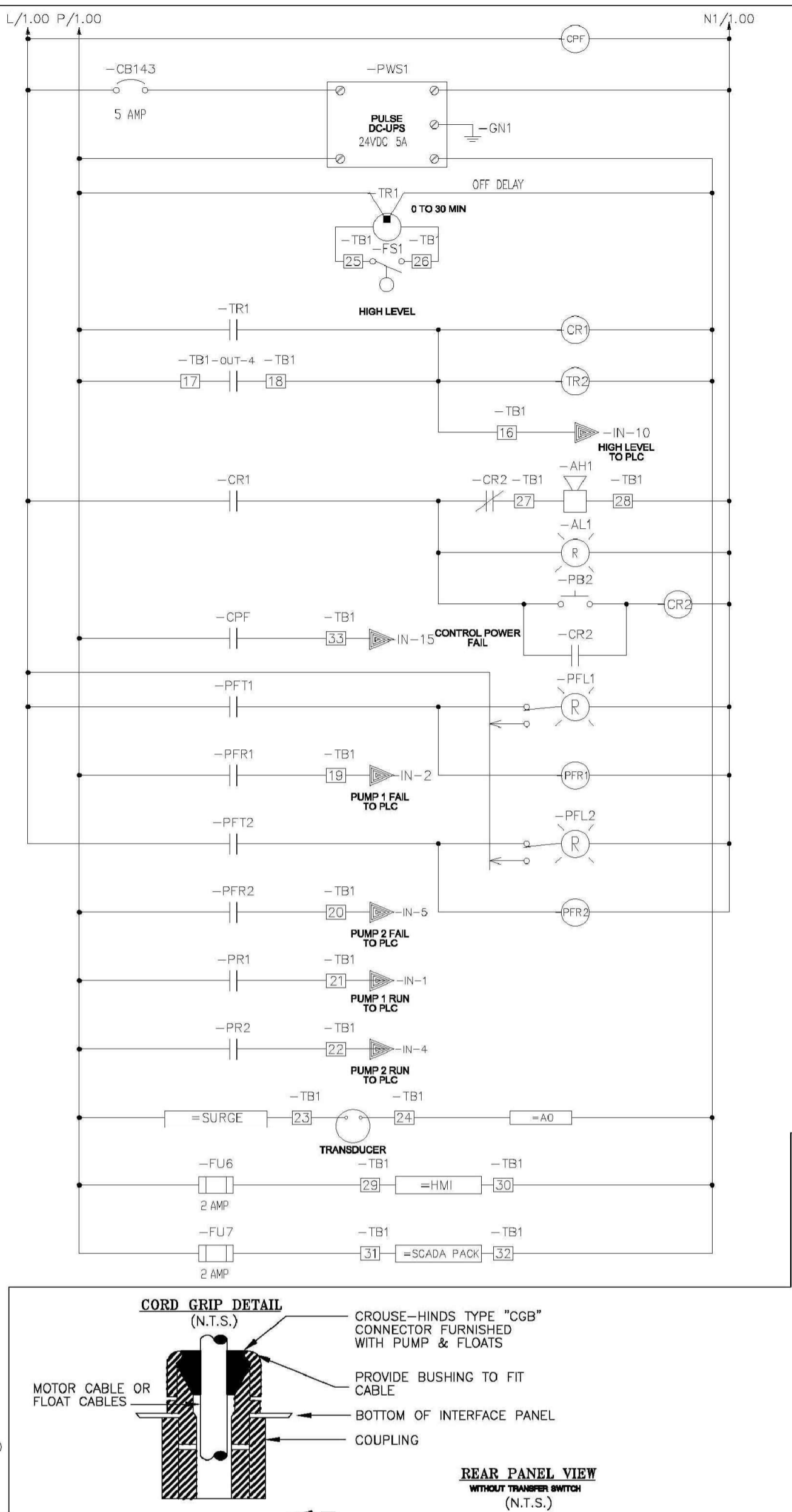
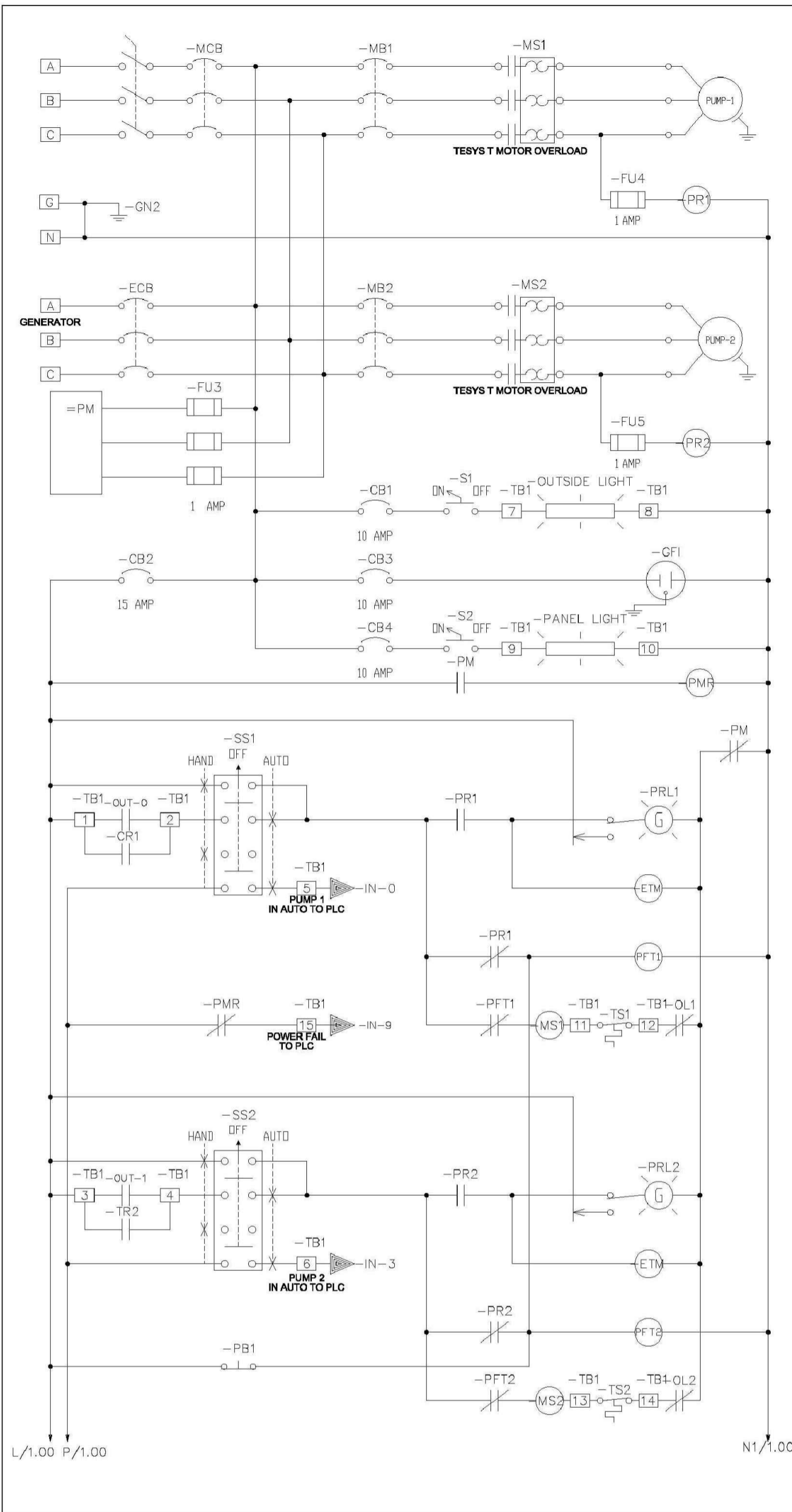
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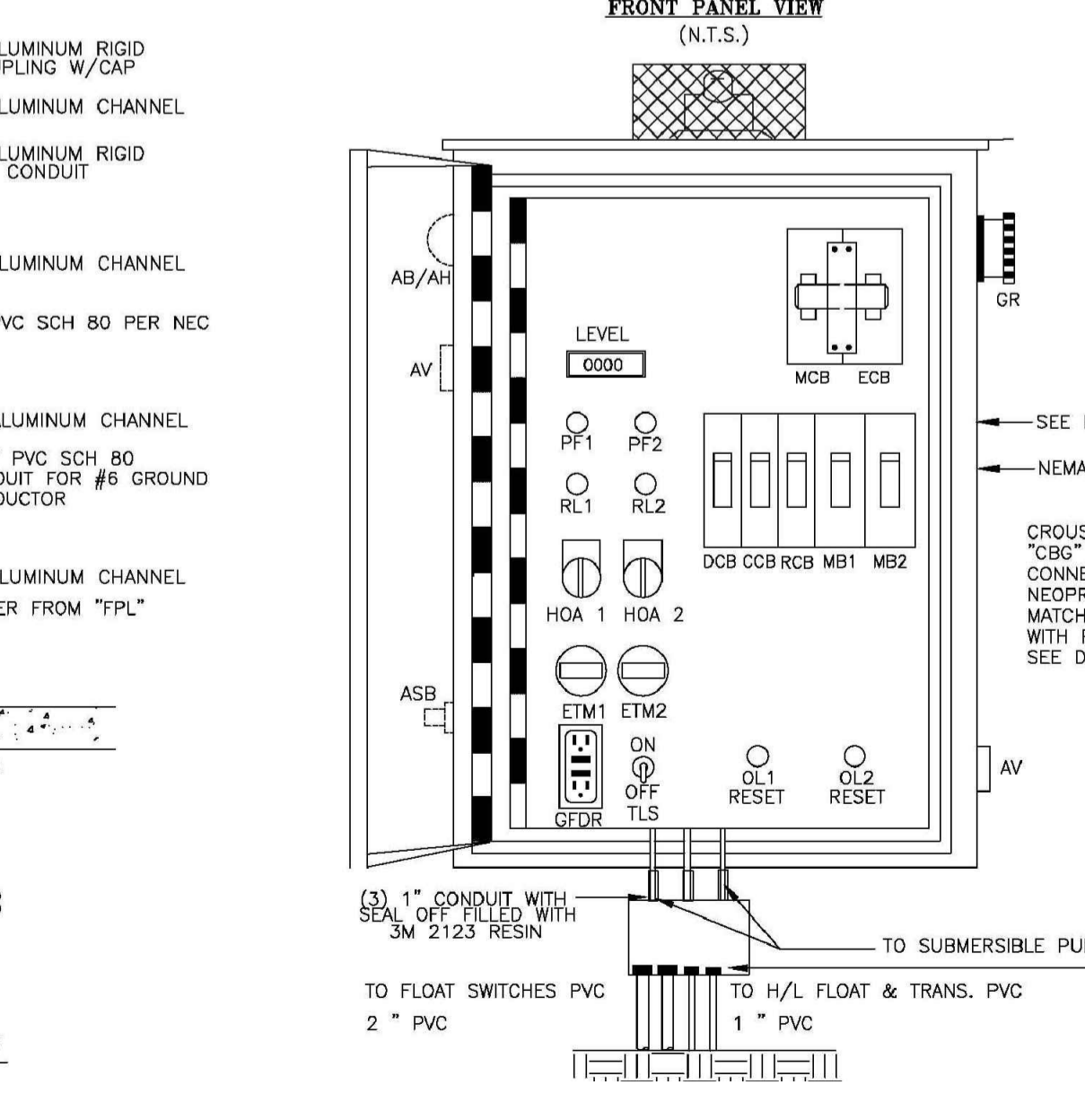
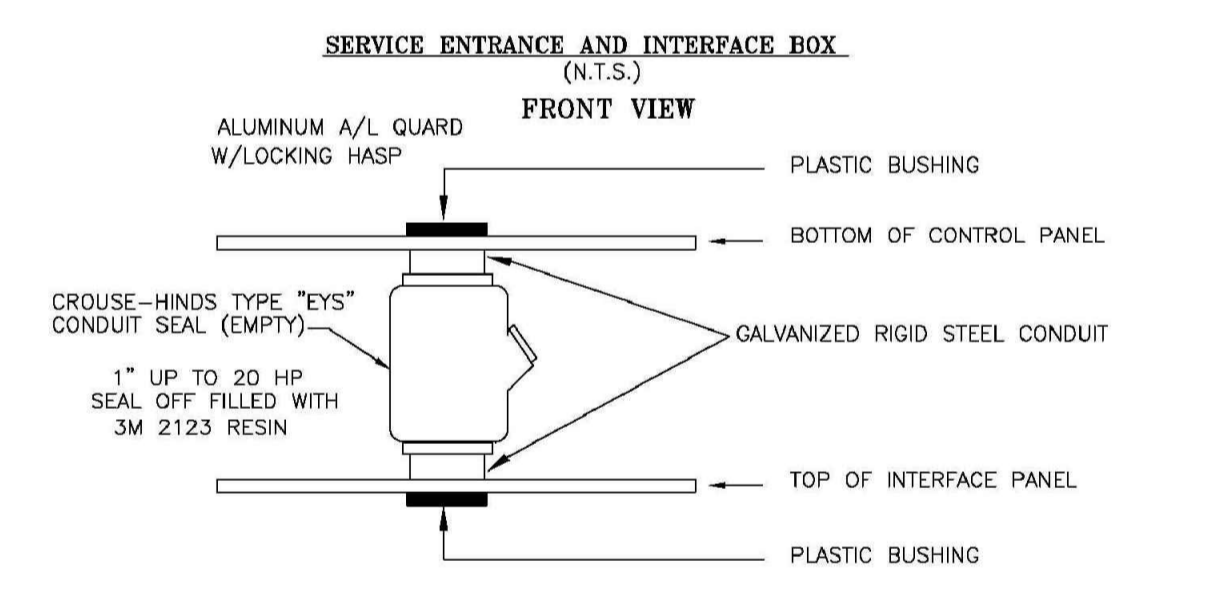
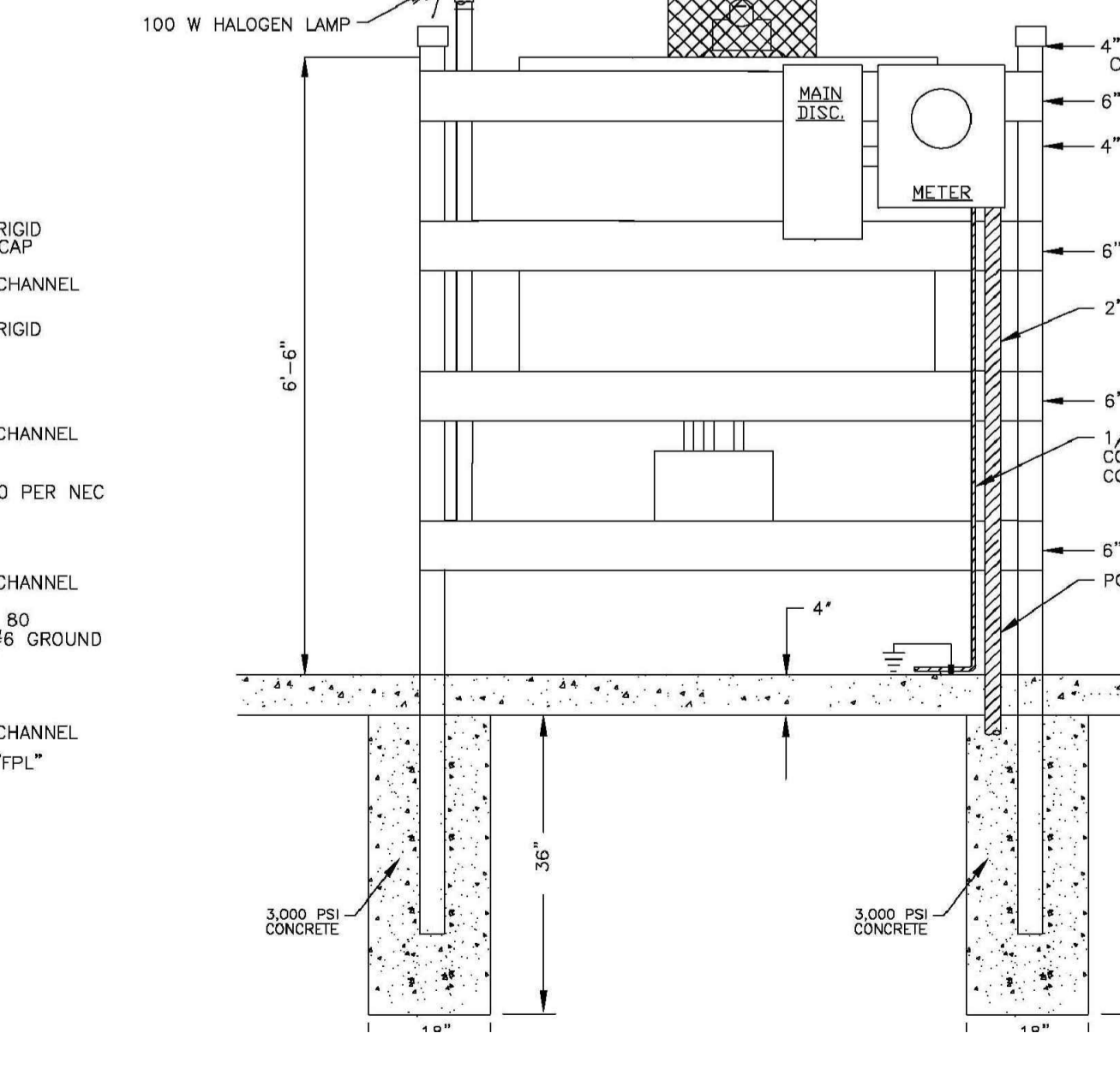
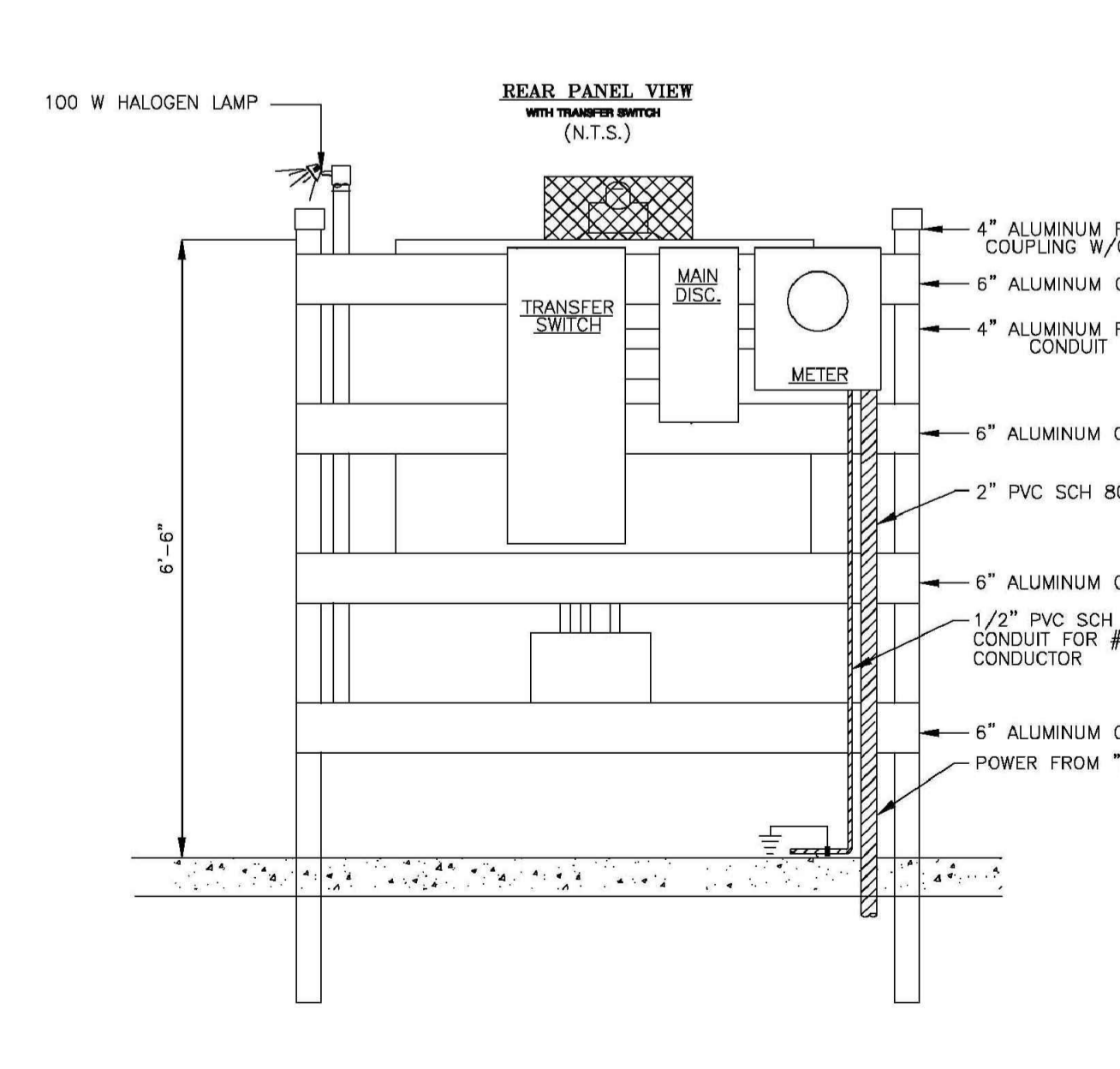
CHIPOTLE GRILL
 COMMERCIAL DEVELOPMENT
 TRACT #3
 P-282 4TH STREET WEST
 LEE COUNTY, FLORIDA 33971

PUMP STATION (PS-1)
DETAILS (A)



COMPONENT LEGEND

AL - ALARM LIGHT	LCB - LIGHT CONTROL BREAKER
ALT - ALTERNATOR	MB - MOTOR BREAKER
ATS - ALTERNATOR TEST SWITCH	MCB - MAIN CIRCUIT BREAKER
AV - AIR VENT	MS - MOTOR STARTER
BCB - BLOWER CONTROL BREAKER	OL - OVERLOAD
CCB - CONTROL CIRCUIT BREAKER	PF - PUMP FAILURE
DPDT - DOUBLE-POLE, DOUBLE-THROW	PFT - PUMP FAILURE TIMER
DR - DISABLE RELAY	PM - PHASE MONITOR
DRB - DUPLEX RECEPTACLE BREAKER	PR - PUMP RUN
ECB - EMERGENCY CIRCUIT BREAKER	R - RELAY
ETM - ELAPSED TIME METER	RCB - RTU CIRCUIT BREAKER
FB - FUSE BLOCK	RCGB - RECEPTACLE CONTROL BREAKER
FL - FLASHER	RL - RUNNING LIGHT
FLG - FLUORESCENT LIGHT	RTU - REMOTE TELEMETRY UNIT
FLS - FLUORESCENT LIGHT SWITCH	T - TERMINAL
FR - FLOAT REGULATOR	TB - TERMINAL BLOCK
FTS - FLOAT TEST SWITCH	TD - TIME DELAY
GFDR - GROUND FAULT DUPLEX RECEPTACLE	TDOE - TIME DELAY ON DE-ENERGIZE
GND - EARTH GROUND	TDOE - TIME DELAY ON ENERGIZE
GR - GENERATOR RECEPTACLE	TTS - THERMAL TERMINAL STRIP
HQA - HAND-OFF-AUTO SELECTOR SWITCH	XFMR - TRANSFORMER
LA - LIGHTNING ARRESTOR	PFR - PUMP FAIL RESET



GENERAL NOTES AND REQUIREMENTS

- THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE STANDARD BUILDING CODES AND LOCAL CODES AS MAY BE APPLICABLE. SIX SHOP DRAWINGS OF ALL MAJOR EQUIPMENT SHALL BE REQUIRED PRIOR TO ORDERING EQUIPMENT.
- WORK SHALL INCLUDE ALL LABOR, MATERIALS, PERMITS AND COSTS FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM.
- ALL EQUIPMENT, FIXTURES, ETC., SHALL BE STARTED, TESTED, ADJUSTED AND PLACED IN SATISFACTORY OPERATING CONDITION BY THIS CONTRACTOR WHO SHALL GUARANTEE ALL WORKMANSHIP, MATERIALS AND EQUIPMENT TO BE FREE OF DEFECTS FOR A PERIOD OF (1) ONE YEAR FROM DATE OF CERTIFICATE OF OCCUPANCY (C.O.); AND SHALL REPAIR SUCH DEFECTS WITHOUT COST TO THE OWNER. ALL EQUIPMENT SHALL BE COVERED FOR THE DURATION OF THE MANUFACTURER'S GUARANTEE OR WARRANTY, AND THIS CONTRACTOR SHALL FURNISH THE OWNER WITH ALL MANUFACTURER'S GUARANTEES AND WARRANTIES.
- ALL WIRE SIZES SHOWN ARE FOR TINNED COPPER CONDUCTORS.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL METERING OF A TYPE APPROVED BY THE UTILITY COMPANY AND U.L. LISTED. THIS METER SHALL BE MADE OF ALUMINUM OR STAINLESS.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW ALL DETAILS OF CONSTRUCTION. THE ELECTRICAL CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS SUCH AS HARDWARE, CONDUIT FITTINGS, ETC., AS NECESSARY FOR A COMPLETE ELECTRICAL SYSTEM IN WORKING ORDER.
- PROVIDE A SERVICE GROUND ACCORDING TO N.E.C. ART. 250, PART "H" MINIMUM INSTALLATION TO INCLUDE: FOOTER/FOUNDATION REINFORCING STEEL (20' OF #4 MIN. SIZE), TURNED UP OR OTHERWISE EXPOSED AT THE SERVICE WITH APPROVED CONNECTORS BONDING A GROUNDING CONDUCTOR SIZED PER TABLE 250-94 TO THE STEEL AND A DRIVEN ROD GROUND (MIN. 5/8" X 8' DEEP) WITH #6 COPPER GROUNDING CONDUCTOR. ALSO BOND: METAL PIPING AND EQUIPMENT.
- ALL FASTENERS FOR CONSTRUCTION OF THE PANEL ENCLOSURE SHALL BE TYPE 304 S/S SCREWS, NUTS, BOLTS & WASHERS.
- PLASTIC WARNING LABELS STATING "DANGER HIGH VOLTAGE" "PUMP STATION VOLTAGE" IN RED WITH 1" WHITE LETTERS. SECURE LABEL TO DOOR.
- NON FUSED SAFETY DISCONNECT SWITCH SHALL BE SQ-D CLASS 3110 IN NEMA 4X STAINLESS STEEL ENCLOSURE C/W HANDLE WITH POWER ON POSITION LOCKING PLATE. POWER SUPPLY TO CONTROL PANEL SHALL EXIT THRU UNDERSIDE. DISCONNECT BOX SHALL HAVE LOCKABLE QUICK RELEASE DOOR LATCH ON CABINET ENCLOSURE. (NO SCREW DOWN COVER WILL BE ACCEPTED) NOTE: IF SITE HAS GENERATOR DISCONNECT SHALL HAVE A BREAKER SIZED PER NEC IN A CLASS 610 SQ-D NEMA 4X SS BREAKER ENCLOSURE.
- LADDER DIAGRAM IS DRAWN FOR THREE PHASE 230V. CHANGES ARE REQUIRED FOR SINGLE PHASE 230V, THREE PHASE 208V OR THREE PHASE 460V.
- CONTROL PANEL ENCLOSURE SHALL HAVE A PAINTED STEEL BACKPLATE, AND ALUMINUM DEADFRONT DOOR. ENCLOSURE SHALL BE TYPE 304 STAINLESS STEEL, NEMA 4X GASKETED TYPE WITH PAD LOCKABLE HASP, THREE POINT LATCH SYSTEM AND WIND RESTRAINER ARM THAT INCLUDES HARDWARE TO RESTRAIN DEADFRONT DOOR WHEN OPEN. ALL METAL COMPONENTS OF LATCH SYSTEM AND RESTRAINER TO BE MANUFACTURED OF TYPE 304 STAINLESS STEEL. ALL DEVICES MOUNTED ON ENCLOSURE ARE TO BE GASKETED OR CAULKED WITH SEALANT TO RETAIN NEMA RATING. ENCLOSURE SHALL BE FURNISHED WITH TYPE 304 STAINLESS STEEL, 1-7/8" UNISTRUTS, WELDED, PROVIDE 1-7/8" STAINLESS STEEL CHANNEL, STRUT C/W TYPE 304 STAINLESS STEEL NUTS AND BOLTS TO SUIT, AS SUPPLIED BY B-LINE SYSTEMS INC. OR EQUAL. ISOLATE DISSIMILAR METALS WITH TEFLON GASKETING. PROVIDE PAD LOCKING PROVISIONS. PANEL SHALL BE ASSEMBLED IN A UL 508 RATED SHOP.
- ALL ELECTRICAL CONDUITS TO/ FROM CONTROL PANELS AND SERVICE FEEDER ARE TO DROP VERTICALLY TO CONCRETE SLAB AND ROUTED UNDER SLAB TO THEIR RISE LOCATION AND CONTINUE VERTICALLY TO DESTINATION.
- AFTER ALL WIRING IS COMPLETED, ALL CGB'S MUST BE TIGHTENED TO SEAL AROUND CABLES.
- FLOATS SHALL HAVE MERCURY CONTACTS.
- PLC, RTU SHALL PROVIDE THE FUNCTIONS AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS.
- WHEN AN ODOR CONTROL SYSTEM IS REQUIRED THE PANEL MANUFACTURER SHALL PROVIDE AN APPROPRIATELY SIZED BREAKER AND AN ALARM CONTACT FOR THE RTU.
- THE VARIABLE DRIVE SHALL BE A SQ-D ALTVAR 61 OR APPROVED EQUAL BY LCU. PROPER VENTILATION SHALL BE PROVIDED AS PER MAUFACTOR SPEC.
- THE CONTRACTOR SHALL PROVIDE A LIGHTNING SURGE ARRESTOR RATED FOR THE INCOMING VOLTAGE AND CURRENT.
- WHEN PANEL IS SUPPLIED WITH 480 VOLT A SIGN SHALL BE ADDED BY GFI RECEPTACLE STATING NOT RATED FOR POWER TOOLS.
- ALL FEEDER WIRING FROM THE MAIN DISCONNECT TO THE CONTROL PANEL MAIN BREAKER SHALL HAVE NO TERMINATIONS, OR SPLICES NO EXCEPTIONS.

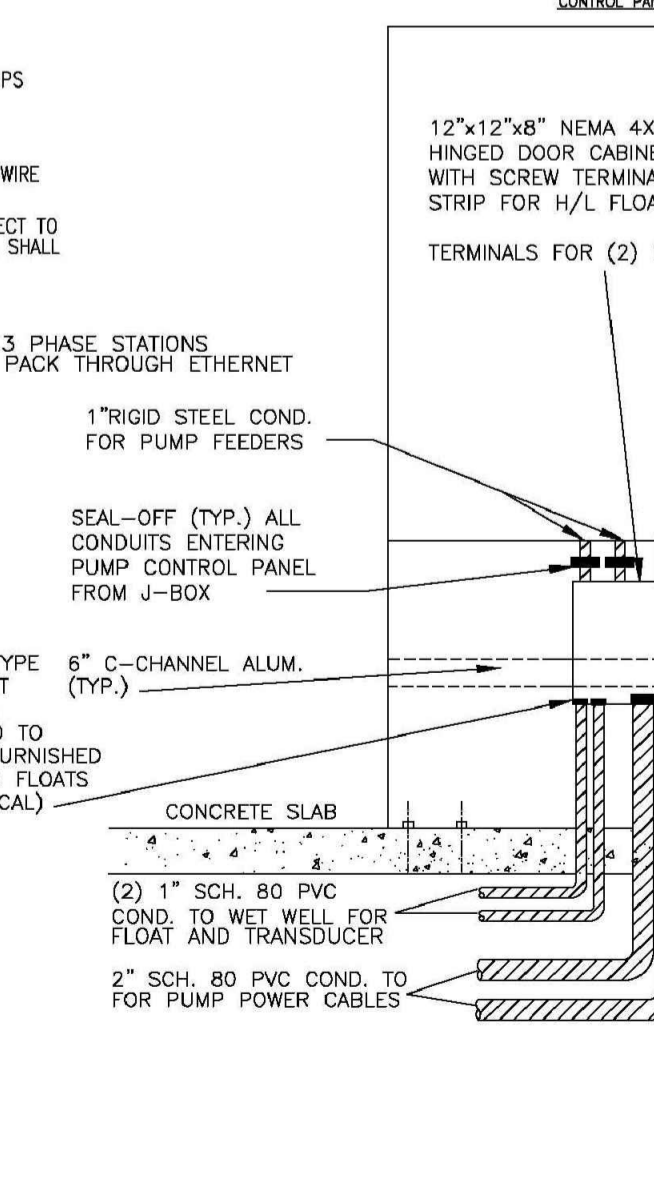
ELECTRICAL NOTES:

- RTU SHALL BE SCADA PACK 334E
- MODEM OR ANY OTHER COMMUNICATIONS WILL BE SUPPLIED BY LCU
- VARIABLE DRIVES TO BE USED ON ALL SINGLE PHASE POWER
- VARIABLE DRIVES SHALL BE SQUARE D ALTVAR 61
- POWER SUPPLY SHALL HAVE BATTERY BACKUP
- ALL SWITCHES SHALL BE SQUARE D 30 MM
- ALL STARTERS SHALL BE SQUARE D
- ALL BREAKERS SHALL BE SQUARE D
- ALL INDICATOR LIGHTS SHALL HAVE LED LAMPS
- IMM SHALL BE C-MORE E47-55W
- PLC CODE WILL BE INSTALLED BY LCU
- ALL BREAKERS, STARTERS, VARIABLE DRIVE, WIRE SHALL BE SIZED PER NEC
- ALL CONDUCTORS FROM THE MAIN DISCONNECT TO THE MAIN BREAKER IN THE CONTROL PANEL SHALL HAVE NO TERMINATIONS.

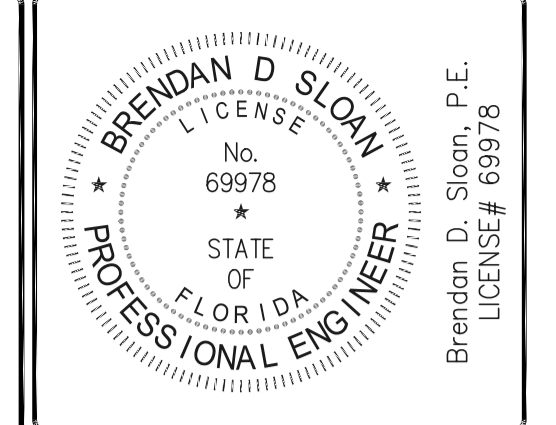
THE FOLLOWING ARE OPTIONS:

- TESTS T MOTOR MANAGEMENT FOR 3 PHASE STATIONS
- DRIVES CONNECTED TO THE SCADA PACK THROUGH ETHERNET

EQUIPMENT ELEVATION



APPROVED
 DOS2024-00022
 Lee Tallaksen, Plan Reviewer
 Lee County DCD
 7/23/2024



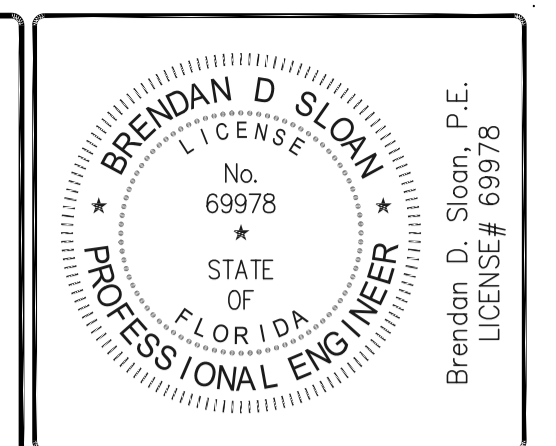
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004-FAC ON 4/23/2024

DATE	BY	REVISION DESCRIPTION
02/09/24	BS	INITIAL DD SUBMITAL
04/23/24	BS	AS FIRST DD SUBMITAL

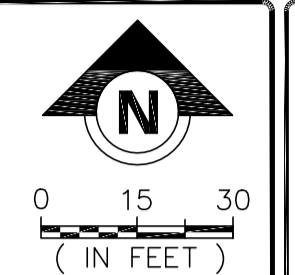
AYALON ENGINEERING, INC.
 2503 DEL PRADO BLVD., S #200
 CAPE CORAL, FLORIDA 33904
 (239) 73-2077
 FBFE#43128

CHIPOTLE GRILL
 COMMERCIAL DEVELOPMENT
 TRACT #3
 P-282 4TH STREET WEST
 LEE COUNTY, FLORIDA 33971

PUMP STATION (PS-1)
 DETAILS (B)



Brendan D. Sloan, P.E.
LICENSE# 69978



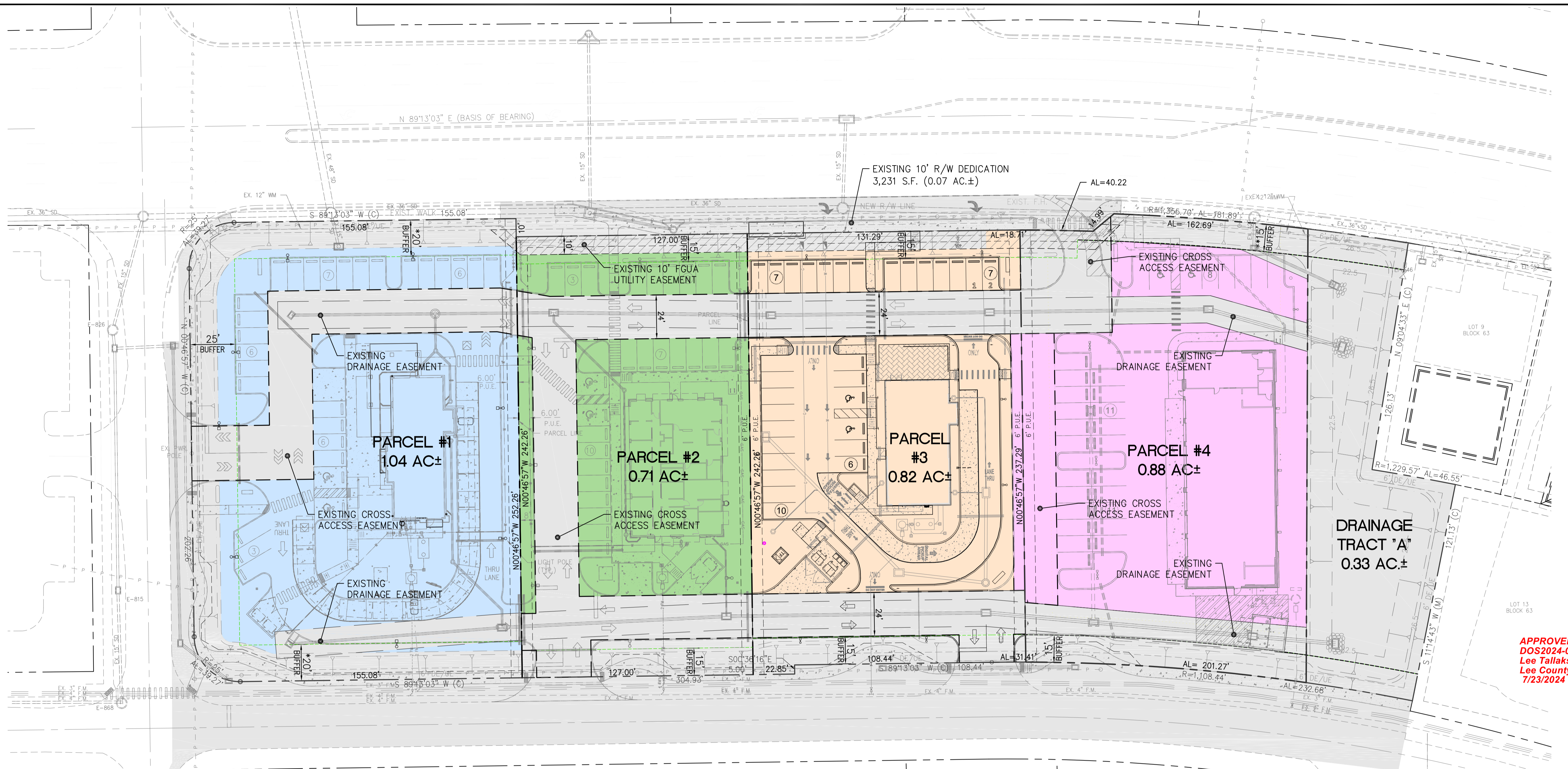
THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004 FAC ON 4/23/2024

Table with 3 columns: DATE, BY, REVISION DESCRIPTION. Includes dates 02/09/24 BS and 04/23/24 BS.

AYALON ENGINEERING, INC.
2803 DEL PRADO BLVD., S #200
CAPE CORAL, FLORIDA 33904
FBFE#3128 (239) 73-2077

CHIPOTLE GRILL
COMMERCIAL DEVELOPMENT
TRACT #3 1828 4TH STREET WEST
LEE COUNTY, FLORIDA 33971

PHASING PLAN
#23-121/CONST.
17 OF 17



APPROVED
DOS2024-00022
Lee Tallaksen, Plan Reviewer
Lee County DCD
7/23/2024

SITE CONSTRUCTION PHASING NOTES: (APPROVED UNDER DOS2021-00040)

Phase #1 (BACKBONE INFRASTRUCTURE)
CONSTRUCTED & CERTIFIED UNDER DOS 2021-0040
ROADS, STRIPING, WALKS, TURNLANES, AND OFFSITE IMPROVEMENTS AND STRIPING:
TO INCLUDE ALL ONSITE ACCESS DRIVEWAYS AND STRIPING WITHIN THE CROSS-ACCESS EASEMENTS (WITH THE EXCEPTION OF THE ACCESS DRIVEWAY WITHIN THE CROSS-ACCESS EASEMENT ON THE EAST/WEST BOUNDARY OF PARCEL'S #3 & #4), THE OFFSITE TURN LANE WITH STRIPING AND SIDEWALKS ON LEE BOULEVARD, THE OFFSITE ROADWAY, STRIPING, AND SIDEWALK IMPROVEMENTS ON 4TH STREET WEST, AND THE OFFSITE SIDEWALK IMPROVEMENTS ON HANNA AVENUE NORTH AS PART OF PHASE 1.
POTABLE WATER:
TO INCLUDE THE RELOCATION OF THE EXISTING 12" FGUA WATER MAIN ALONG THE SOUTHERN RIGHT-OF-WAY LINE OF LEE BOULEVARD AS PART OF PHASE 1. WATER SERVICE TO EACH PARCEL TO BE CERTIFIED AS PART OF THE SITE CERTIFICATION FOR EACH INDIVIDUAL PARCEL.
FIRE PROTECTION:
ALL PROPOSED FIRE HYDRANTS TO BE CONSTRUCTED AS PART OF PHASE 1.
SANITARY SEWER:
SEWER SERVICE TO EACH PARCEL TO BE CERTIFIED AS PART OF THE SITE CERTIFICATION FOR EACH INDIVIDUAL PARCEL.
SURFACE WATER MANAGEMENT/DRAINAGE SYSTEM:
TO INCLUDE ENTIRES PROJECT PERIMETER BERM, PERIMETER BERM SODDING, DRY DENTION AREA AND DRY DENTION AREA SODDING IN PARCEL #4, CONTROL STRUCTURE/OUTFALL PIPE IN PARCEL #4, AND ALL DRAINAGE PIPE/INLETS WITHIN PROJECT DRAINAGE EASEMENTS AS PART OF PHASE 1.
IRRIGATION:
POTABLE IRRIGATION WELL AND SERVICE TO EACH PARCEL TO BE CERTIFIED AS PART OF THE SITE CERTIFICATION FOR EACH INDIVIDUAL PARCEL.
LANDSCAPING:
TO INCLUDE CODE MINIMUM PERIMETER LANDSCAPE BUFFER PLANTINGS & GENERAL TREE AS PART OF PHASE 1.
EARTHWORK: GRADING WITHIN PARCEL #3 & PARCEL #4 TO BE INCLUDED AS PART OF PHASE 1.
NOTE: AFTER PHASE 1 HAS BEEN CERTIFIED, EACH DEVELOPMENT PARCEL CAN CERTIFY SEPARATELY IN ANY ORDER.

Phase #2A (Parcel #1 STARBUCKS)
CONSTRUCTED & CERTIFIED UNDER DOS 2021-0040
ROADS, WALKS AND STRIPING:
ALL ONSITE ACCESS DRIVEWAYS AND STRIPING, PEDESTRIAN ACCESS SIDEWALKS, AND PARKING STALLS ASSOCIATED WITH STARBUCKS TO BE CONSTRUCTED AS PART OF THIS PHASE.
POTABLE WATER:
WATER SERVICE LINE TO BE CONSTRUCTED TO THE PROPOSED STARBUCKS BUILDING.
FIRE PROTECTION:
NO FIRE PROTECTION RELATED CONSTRUCTION IS REQUIRED AS PART OF THIS PHASE.
SANITARY SEWER:
FROM THE PROPOSED STARBUCKS BUILDING, A SANITARY SEWER LINE AND PUMP STATION MUST BE CONSTRUCTED IN THIS PHASE. A FORCE MAIN FROM THE PROPOSED PUMP STATION MUST ALSO BE CONSTRUCTED AND CONNECTED TO THE EXISTING 4" FGCU FORCE MAIN ALONG 4TH STREET.
DRAINAGE SYSTEM:
STORMWATER DRAINAGE INFRASTRUCTURE ASSOCIATED WITH THE STARBUCKS SITE MUST BE CONSTRUCTED IN THIS PHASE. ALL DRAINAGE MUST TIE INTO THE BACKBONE DRAINAGE INFRASTRUCTURE CONSTRUCTED IN THIS PHASE.
IRRIGATION:
POTABLE IRRIGATION WELL AND IRRIGATION SERVICE FOR THE STARBUCKS TO BE CONSTRUCTED AS PART OF THIS PHASE.
LANDSCAPING:
TO INCLUDE ALL FOUNDATION PLANTINGS AND PARKING LOT PLANTINGS WITHIN THIS PHASE.
SITE LIGHTING:
BUILDING AND PARKING LOT LIGHTING ASSOCIATED WITH THE STARBUCKS SITE MUST BE CONSTRUCTED IN THIS PHASE.

Phase #2B (Parcel #2 ASPEN DENTAL)
CONSTRUCTED & CERTIFIED UNDER DOS 2021-0040
ALL ONSITE ACCESS DRIVEWAYS AND STRIPING, PEDESTRIAN ACCESS SIDEWALKS, AND PARKING STALLS ASSOCIATED WITH ASPEN DENTAL TO BE CONSTRUCTED AS PART OF THIS PHASE.
POTABLE WATER:
WATER SERVICE LINE TO BE CONSTRUCTED TO THE PROPOSED ASPEN DENTAL BUILDING.
FIRE PROTECTION:
NO FIRE PROTECTION RELATED CONSTRUCTION IS REQUIRED AS PART OF THIS PHASE.
SANITARY SEWER:
FROM THE PROPOSED ASPEN DENTAL BUILDING, A SANITARY SEWER LINE AND PUMP STATION MUST BE CONSTRUCTED IN THIS PHASE. A FORCE MAIN FROM THE PROPOSED PUMP STATION MUST ALSO BE CONSTRUCTED AND CONNECTED TO THE EXISTING 4" FGCU FORCE MAIN ALONG 4TH STREET.
DRAINAGE SYSTEM:
STORMWATER DRAINAGE INFRASTRUCTURE ASSOCIATED WITH THE ASPEN DENTAL SITE MUST BE CONSTRUCTED IN THIS PHASE. ALL DRAINAGE MUST TIE INTO THE BACKBONE DRAINAGE INFRASTRUCTURE CONSTRUCTED IN THIS PHASE.
IRRIGATION:
POTABLE IRRIGATION WELL AND IRRIGATION SERVICE FOR THE ASPEN DENTAL TO BE CONSTRUCTED AS PART OF THIS PHASE.
LANDSCAPING:
TO INCLUDE ALL FOUNDATION PLANTINGS AND PARKING LOT PLANTINGS WITHIN THIS PHASE.
SITE LIGHTING:
BUILDING AND PARKING LOT LIGHTING ASSOCIATED WITH THE ASPEN DENTAL SITE MUST BE CONSTRUCTED IN THIS PHASE.

Phase #2C (Parcel #4 TIRES PLUS)
PERMITTED UNDER DOS2023-00114
ALL ONSITE ACCESS DRIVEWAYS AND STRIPING, PEDESTRIAN ACCESS SIDEWALKS, AND PARKING STALLS ASSOCIATED WITH TIRES PLUS TO BE CONSTRUCTED AS PART OF THIS PHASE, INCLUDING THE ACCESS DRIVEWAY AND STRIPING WITHIN THE CROSS-ACCESS EASEMENT ON THE EAST/WEST BOUNDARY OF PARCEL'S #3 & #4.
POTABLE WATER:
WATER SERVICE LINE TO BE CONSTRUCTED TO THE PROPOSED TIRES PLUS BUILDING.
FIRE PROTECTION:
NO FIRE PROTECTION RELATED CONSTRUCTION IS REQUIRED AS PART OF THIS PHASE.
SANITARY SEWER:
FROM THE PROPOSED TIRES PLUS BUILDING, A SANITARY SEWER LINE AND PUMP STATION MUST BE CONSTRUCTED IN THIS PHASE. A FORCE MAIN FROM THE PROPOSED PUMP STATION MUST ALSO BE CONSTRUCTED AND CONNECTED TO THE EXISTING 4" FGCU FORCE MAIN ALONG 4TH STREET.
DRAINAGE SYSTEM:
STORMWATER DRAINAGE INFRASTRUCTURE ASSOCIATED WITH THE TIRES PLUS SITE MUST BE CONSTRUCTED IN THIS PHASE. ALL DRAINAGE MUST TIE INTO THE BACKBONE DRAINAGE INFRASTRUCTURE CONSTRUCTED IN THIS PHASE.
IRRIGATION:
POTABLE IRRIGATION WELL AND IRRIGATION SERVICE FOR THE TIRES PLUS TO BE CONSTRUCTED AS PART OF THIS PHASE.
LANDSCAPING:
TO INCLUDE ALL FOUNDATION PLANTINGS AND PARKING LOT PLANTINGS WITHIN THIS PHASE.
SITE LIGHTING:
BUILDING AND PARKING LOT LIGHTING ASSOCIATED WITH THE TIRES PLUS SITE MUST BE CONSTRUCTED IN THIS PHASE.

Phase #2D (Parcel #3 CHIPOTLE GRILL)
ALL ONSITE ACCESS DRIVEWAYS AND STRIPING, PEDESTRIAN ACCESS SIDEWALKS, AND PARKING STALLS ASSOCIATED WITH THE FUTURE PARCEL TO BE CONSTRUCTED AS PART OF THIS PHASE.
POTABLE WATER:
WATER SERVICE LINE TO BE CONSTRUCTED TO THE PROPOSED FUTURE PARCEL BUILDING.
FIRE PROTECTION:
NO FIRE PROTECTION RELATED CONSTRUCTION IS REQUIRED AS PART OF THIS PHASE.
SANITARY SEWER:
FROM THE PROPOSED FUTURE PARCEL BUILDING, A SANITARY SEWER LINE AND PUMP STATION MUST BE CONSTRUCTED IN THIS PHASE. A FORCE MAIN FROM THE PROPOSED PUMP STATION MUST ALSO BE CONSTRUCTED AND CONNECTED TO THE EXISTING 4" FGCU FORCE MAIN ALONG 4TH STREET.
DRAINAGE SYSTEM:
STORMWATER DRAINAGE INFRASTRUCTURE ASSOCIATED WITH THE FUTURE PARCEL SITE MUST BE CONSTRUCTED IN THIS PHASE. ALL DRAINAGE MUST TIE INTO THE BACKBONE DRAINAGE INFRASTRUCTURE CONSTRUCTED IN THIS PHASE.
IRRIGATION:
POTABLE IRRIGATION WELL AND IRRIGATION SERVICE FOR THE FUTURE PARCEL TO BE CONSTRUCTED AS PART OF THIS PHASE.
LANDSCAPING:
TO INCLUDE ALL FOUNDATION PLANTINGS AND PARKING LOT PLANTINGS WITHIN THIS PHASE.
SITE LIGHTING:
BUILDING AND PARKING LOT LIGHTING ASSOCIATED WITH THE FUTURE PARCEL SITE MUST BE CONSTRUCTED IN THIS PHASE.

VERTICAL ELEVATIONS BASED ON: NAVD 88