

GENERAL NOTES:

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR RAZING AND REMOVAL OF THE EXISTING STRUCTURES, RELATED UTILITIES, PAVING, UNDERGROUND STORAGE TANKS AND ANY OTHER EXISTING IMPROVEMENTS AS NOTED.
- B. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS. DISPOSAL WILL BE IN ACCORDANCE WITH ALL LOCAL, STATE AND/OR FEDERAL REGULATIONS GOVERNING SUCH OPERATIONS.
- C. THE GENERAL CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- D. ~~WARRANTY/DISCLAIMER:~~ THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.
- E. ~~SAFETY NOTICE TO CONTRACTOR:~~ IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY AND SECURITY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE.
- F. ALL CONSTRUCTION WITHIN STATE HIGHWAY DEPARTMENT RIGHT-OF-WAY SHALL BE COORDINATED WITH THE HIGHWAY DEPARTMENT RESIDENT MAINTENANCE ENGINEER.
- G. ALL SITE WORK FOR THIS PROJECT SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE RELEVANT UTILITY COMPANY OR REGULATORY AUTHORITY, AND THE SPECIFICATIONS FOR THE CONSTRUCTION OF THE EXISTING IMPROVEMENTS WHICH ARE BEING ALTERED OR REPLACED. CONTRACTOR SHALL CONTACT THE ENGINEER FOR SPECIFICATION SECTIONS FOR ITEMS SUCH AS LANDSCAPING AND IRRIGATION THAT ARE AFFECTED BY THE WORK BUT NOT COMPLETELY DETAILED OR SPECIFIED ON THESE PLANS.
- H. CONSTRUCTION AND INSTALLATION OF 2,824 SF BUILDING, ALL UTILITY ENTRANCES AND (1) 25,000 GALLON & (1) 26,000 GALLON UNDERGROUND TANKS SHALL BE IN ACCORDANCE WITH ASSOCIATED PLANS.
- I. THE GENERAL CONTRACTOR TO COORDINATE THE CANOPY SIGN LOCATIONS AND FREE-STANDING SIGNAGE WITH MURPHY'S DEVELOPMENT PROJECT MANAGER AND SIGN COMPANY
- J. STAGE II VAPOR RECOVERY SYSTEM ~~IS NOT~~ REQUIRED.

NOTES TO CONTRACTOR

- A. THE CONTRACTOR SHALL PROVIDE THE ENGINEER OF RECORD WITH THE DATE WHEN CONSTRUCTION IS TO BEGIN.
- B. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION STAKING AND LAYOUT.
- C. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE ENGINEER OF RECORD OF ANY DEVIATIONS DURING CONSTRUCTION AND SHALL REPORT THEM IMMEDIATELY.
- D. CONTRACTOR IS REQUIRED TO KEEP REDLINE AS-BUILTS AND TO PROVIDE THOSE TO MURPHY UPON COMPLETION.
- E. CONTRACTOR IS RESPONSIBLE FOR UNDERSTANDING THE AS-BUILT AND CERTIFICATE OF OCCUPANCY (C.O.) REQUIREMENTS FOR THE ISSUING AUTHORITY.
- F. IF AN ELEVATION CERTIFICATE OR AS-BUILT SURVEY IS REQUIRED BY THE ISSUING AUTHORITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SCHEDULING OF THE SURVEY WITH THE CIVIL CONSULTANT PRIOR TO DEADLINE FOR OBTAINING THE C.O. AND AFTER NECESSARY COMPLETED WORK TO BE SHOWN ON SURVEY.

WETLANDS NOTE:

ANY DEVELOPMENT, EXCAVATION, CONSTRUCTION, OR FILLING IN A U.S. ARMY CORPS OF ENGINEERS DESIGNATED WETLAND IS SUBJECT TO LOCAL, STATE AND FEDERAL APPROVALS. THE CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS AND/OR RESTRICTIONS AND ANY VIOLATION WILL BE SUBJECT TO FEDERAL PENALTY. THE CONTRACTOR SHALL HOLD THE OWNER/DEVELOPER, THE ENGINEER AND THE LOCAL GOVERNING AGENCIES HARMLESS AGAINST SUCH VIOLATION.

FLOOD CERTIFICATION:

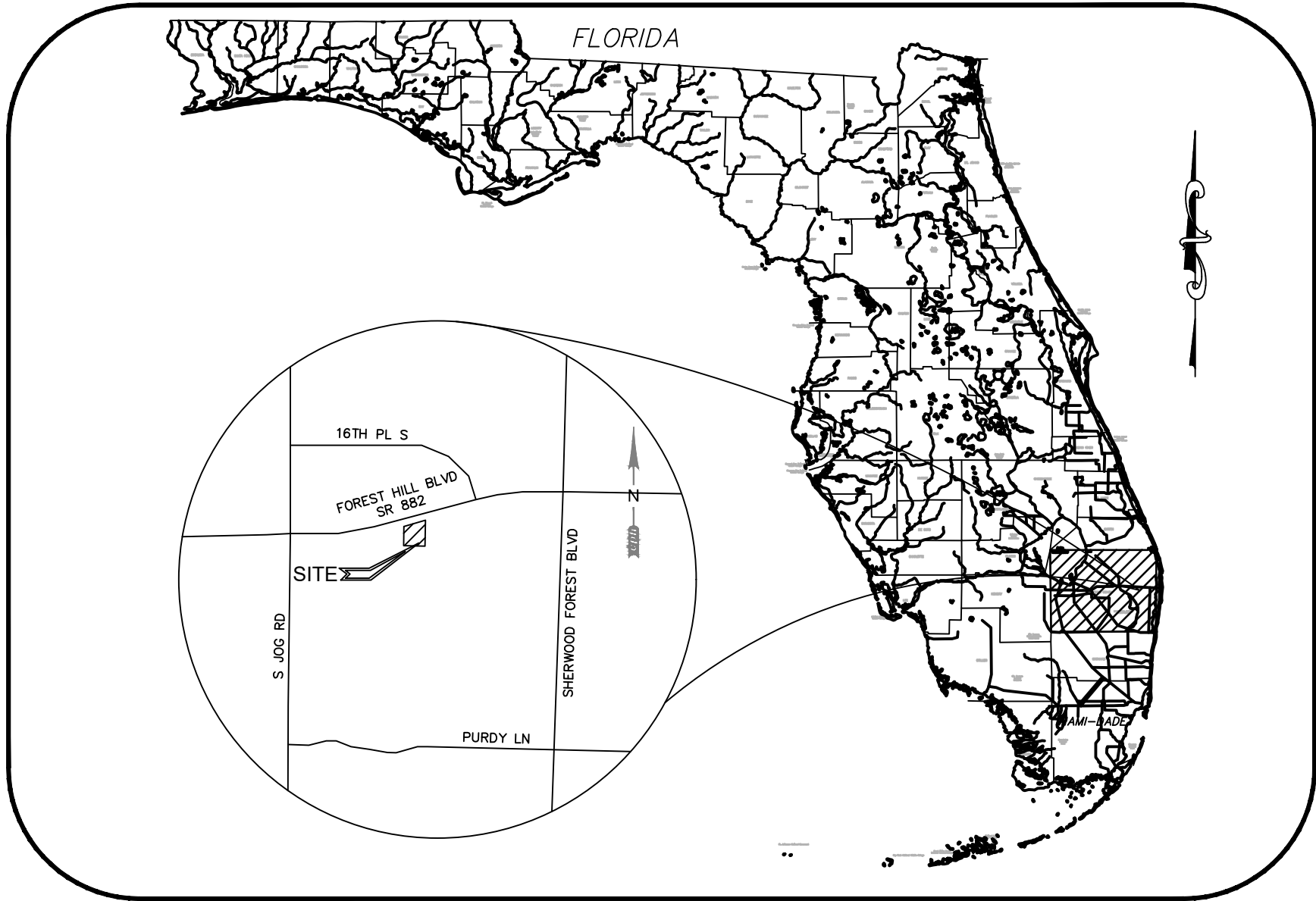
THIS PROPERTY IS LOCATED WITHIN THE ESTABLISHED 100-YEAR FLOOD PLAIN, AS SHOWN BY THE FEDERAL MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP FOR THE CITY OF GREENACRES, PALM BEACH COUNTY, FLORIDA COMMUNITY PANEL NUMBER 12099C0569F, DATED 10/5/2017.

NOTICE TO BIDDERS:

ALL QUESTIONS REGARDING THE PREPARATION OF THE GENERAL CONTRACTOR'S BID SHALL BE DIRECTED THROUGH MURPHY'S CONSTRUCTION WEBSITE (HTTPS://MURPHYUSA.PROJECTMATES.COM/) INCLUDING Q&A, RFI'S, BID SUBMISSION, CHANGE ORDER REQUESTS, ETC. ONCE AWARDED THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S PROJECT MANAGER. SUBCONTRACTORS MUST DIRECT THEIR QUESTIONS THROUGH THE GENERAL CONTRACTOR, THE CONSULTING ARCHITECT AND/OR THE CONSULTING ENGINEER SHALL NOT BE CONTACTED DIRECTLY WITHOUT PRIOR AUTHORIZATION FROM THE OWNER/DEVELOPER.



SITE DEVELOPMENT PLANS FOR  
MURPHY USA  
GREENACRES, FLORIDA  
6270 FOREST HILL BOULEVARD, 33415



Vicinity Map

NOT TO SCALE

SEC 10 TWP 44S - RNG 42E

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**CPH, LLC**  
1992 SW 1ST STREET  
MIAMI, FLORIDA  
(305) 274-4805  
CONTACT: TODD H. HENDRIX P.E.

**Legal Description:** (PER COMMITMENT FOR TITLE INSURANCE BY CHICAGO TITLE INSURANCE COMPANY, CUSTOMER'S FILE NO. 402101147TS, COMMITMENT DATE AUGUST 4, 2021)

PARCEL 1:

LESSEE'S INTEREST IN THAT CERTAIN LEASE BY AND BETWEEN ARL FHJ, LLC, A FLORIDA LIMITED LIABILITY COMPANY, AS LESSOR, AND MURPHY OIL USA, INC., A DELAWARE CORPORATION, AS LESSEE, DATED \_\_\_\_\_, MEMORIALIZED BY THAT CERTAIN MEMORANDUM OF LEASE DATED \_\_\_\_\_, RECORDED \_\_\_\_\_ AT OFFICIAL RECORDS BOOK \_\_\_\_\_, PAGE \_\_\_\_\_, OF THE PUBLIC RECORDS OF \_\_\_\_\_ COUNTY, FLORIDA, DEMISING THE FOLLOWING DESCRIBED LAND:

THAT PORTION OF THE WEST 1/2 OF THE SOUTHEAST 1/4 OF SECTION 10, TOWNSHIP 44 SOUTH, RANGE 42 EAST, LYING SOUTH OF THE SOUTH RIGHT-OF-WAY LINE OF FOREST HILL BOULEVARD AS NOW ESTABLISHED AND LYING NORTH OF THE NORTH RIGHT OF WAY LINE OF THE LAKE WORTH DRAINAGE DISTRICT LATERAL CANAL NO. 8, LESS AND EXCEPT THEREFROM THE WEST 40 FEET OF THE ABOVE DESCRIBED PROPERTY, SAID LANDS SITUATE IN PALM BEACH COUNTY, FLORIDA.

LESS AND EXCEPT THE LANDS CONVEYED TO PALM BEACH COUNTY BY RIGHT-OF-WAY WARRANTY DEED AS RECORDED IN OFFICIAL RECORDS BOOK 5550, PAGE 1071.

LESS AND EXCEPT THE LANDS CONVEYED TO WAL - MART STORES, INC., A DELAWARE CORPORATION BY WARRANTY DEED AS RECORDED IN OFFICIAL RECORDS BOOK 6021, PAGE 808.

LESS AND EXCEPT THE LANDS CONTAINED WITHIN THE PLAT OF WAL-MART AS RECORDED IN PLAT BOOK 64, PAGES 13-14, PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

PARCEL 2:

EASEMENT FOR INGRESS & EGRESS AS CREATED BY GRANT OF EASEMENT FROM WAL-MART STORES EAST, LP, A DELAWARE LIMITED PARTNERSHIP TO THE MURPHY OIL USA, INC., A DELAWARE CORPORATION OVER A PORTION OF THE FOLLOWING DESCRIBED PROPERTY AS FOLLOWS:

ALL OF PLAT OF WAL-MART, ACCORDING TO THE MAP OR PLAT THEREOF, AS RECORDED IN PLAT BOOK 64, PAGE(S) 13-14, OF THE PUBLIC RECORDS OF PALM BEACH COUNTY, FLORIDA.

RESOURCE LIST:

<b>PLANNING AND ZONING</b> CITY OF GREENACRES DEVELOPMENT & NEIGHBORHOOD SERVICES DEPT. 5800 MELALEUCA LN. GREENACRES, FL 33463 PHONE: (561)-642-2040 CONTACT: DENISE MALONE	<b>FIRE PREVENTION</b> CITY OF GREENACRES FIRE RESCUE 2995 S JOG RD, GREENACRES, FL 33467 PHONE: (561)-642-2141 CONTACT: MIGUEL ALEMAN	<b>OWNER</b> MURPHY OIL USA, INC 200 PEACH STREET EL DORADO, AR 71730 PM: KARA RICKARDS (870) 314-1553
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<b>STORMWATER</b>  SFWMD ENVIRONMENTAL RESOURCE BUREAU 3301 GUN CLUB ROAD, WEST PALM BEACH, FL 33406 PHONE: (561)-682-2624	<b>CODE ENFORCEMENT</b>  CITY OF GREENACRES DEVELOPMENT & NEIGHBORHOOD SERVICES DEPT. 5800 MELALEUCA LN. GREENACRES, FL 33463 PHONE: (561)-642-2040 CONTACT: DENISE MALONE	<b>CIVIL ENGINEER/BUILDING DESIGN</b>  CPH, LLC 1992 SW 1ST STREET MIAMI, FL 33135 CONTACT: TODD H. HENDRIX (305) 274-4805
--	--	--

<b>ELECTRIC</b> FLORIDA POWER AND LIGHT PHONE: (954)-956-2019 CONTACT: MIKE KEIGHTLEY	<b>HEALTH DEPT.</b> TBD	<b>GEOTECHNICAL</b> UNITED CONSULTING 625 HOLCOMB BRIDGE RD. NORCROS, GA 30071 CONTACT: CHRIS ROBERDS (770) 209-0029
--	----------------------------	---

<b>SEWER &amp; WATER</b> PALM BEACH COUNTY WATER UTILITIES 9045 S JOG RD, BOYNTON BEACH, FL 33472 PHONE: (561)-493-6229 CONTACT: DARVIN RAMROOP	<b>LANDSCAPE</b> CPH, LLC 500 W FULTON ST SANFORD, FL 32771 (407) 322-6841 CONTACT: DANITA BRYANT	<b>BUILDING CANOPY MANUFACTURER</b> FREY MOSS STRUCTURES 1801 ROCKDALE INDUSTRIAL BLVD. CONYERS, GEORGIA 30012 CONTACT: JENNIFER GOODMAN (770) 483-7543 EXT. 151
---	--	---

<b>TANK AND PRODUCT PIPING</b> GALLOWAY 6162 S. WILLOW DRIVE, SUITE 320 GREENWOOD VILLAGE, COLORADO 80111 CONTACT: DAVE JONES (303) 770-8884	<b>BUILDING/CANOPY DESIGN</b> GREENBERG FARROW 8600 W BRYN MAWR AVENUE, SUITE 800N, CHICAGO, IL 60631 PHONE: (224)-289-6618 CONTACT: BEATA KLAK
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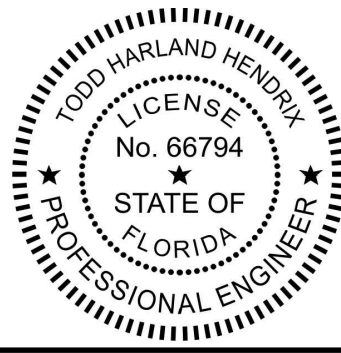
AGENCY

DATE

CITY OF GREENACRES - SPECIAL EXEMPTION USE	--/--/--
CITY OF GREENACRES - VARIANCE PERMIT	--/--/--
CITY OF GREENACRES - SITE PLAN	--/--/--
FDOT - ACCESS & DRAINAGE	--/--/--
PALM BEACH COUNTY - WATER AND SEWER	--/--/--



BASED ON SURVEY BY:  
CPH LLC.  
500 WEST FULTON STREET,  
SANFORD, FL. 32771  
EMAIL: PKATREK@CPHCORP.COM  
PHONE: (407) 322-6841  
DATE: 10/20/2023



TODD HARLAND HENDRIX, P.E.  
FL, P.E. No. 66794

REVISION	DATE	DESCRIPTION

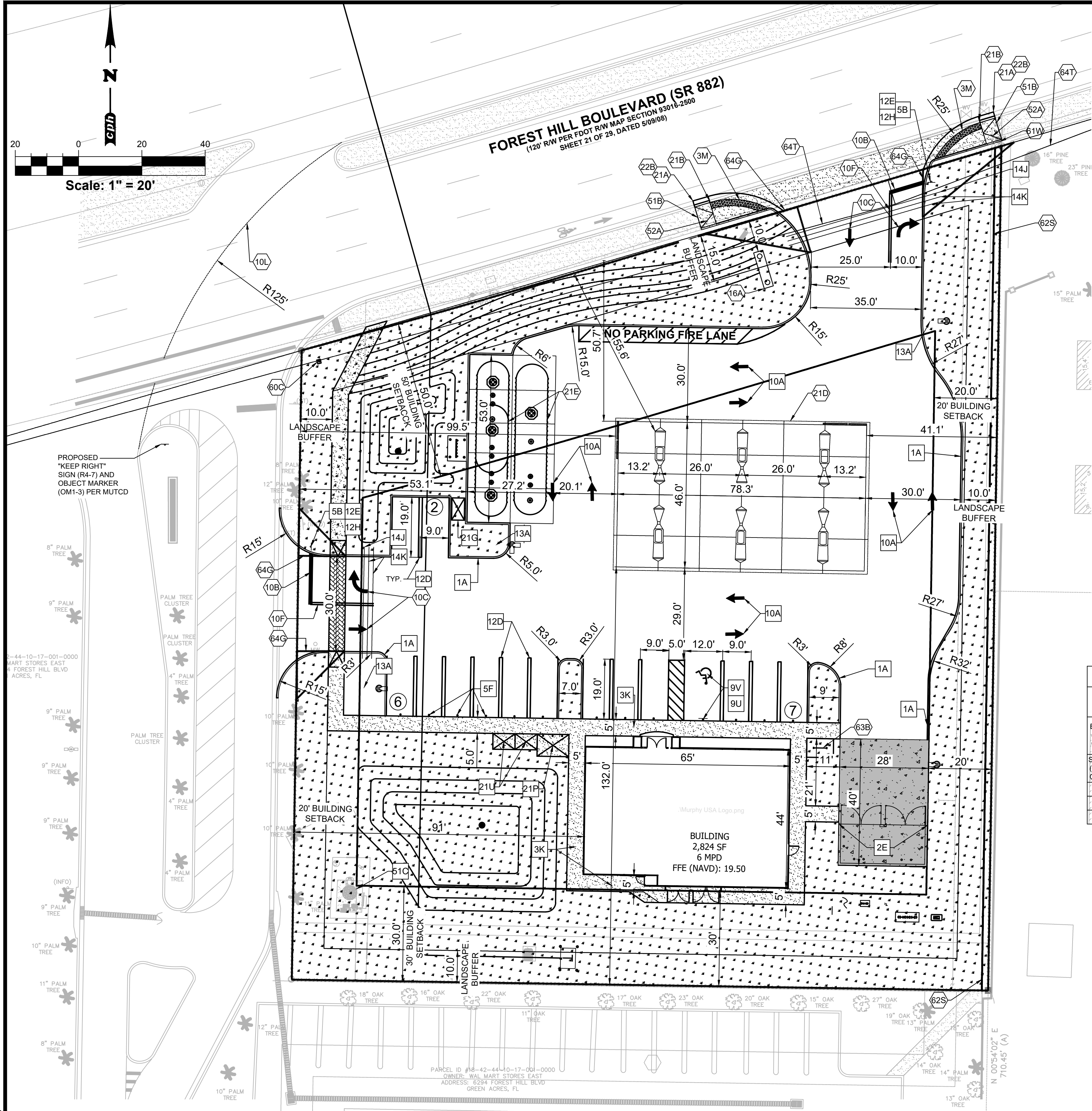
WUD# 24-577

JOB NO.: M3699

DATE 09/21/23	SHEET NO. SP-0
REV-0	



J:\M3699\Civil\DWG\_Current\_Plan\_Set\Working\C3 Site Plan.dwg Mar 04, 2025 - 4:40pm sharman



#### SITE DATA

STATEMENT OF INTENT:  
THE OWNER PROPOSES TO CONSTRUCT A NEW 2,824 S.F. MURPHY USA CONVENIENCE STORE AND THE REQUIRED SITE SUPPORT ELEMENTS TO SERVE IT.  
OVERALL SITE ADDRESS: 6270 FOREST HILL BLVD GREENACRES, FLORIDA

TOWNSHIP: SEC. 10 TOWNSHIP 44 S. RANGE 42 E  
FOLIO: 18-42-44-10-0-000-5020  
TOTAL SITE AREA: 51,111 S.F. (1.17 AC ±)  
PROPOSED ZONING: C1 (COMMERCIAL INTENSIVE)  
FUTURE LAND USE: COMMERCIAL (CM)  
PROPOSED LAND USE: SERVICE STATION

NUMBER OF STORIES: 1  
CONVENIENCE STORE AREA: 2,824 S.F.  
CANOPY AREA: 3,856 S.F.  
TOTAL BUILDING AREA: 6,680 S.F.  
HOURS OF OPERATION: 24 HOURS  
NUMBER OF EMPLOYEES: 4  
SEATING: NO SEATING PROVIDED  
WATER MANAGEMENT: 0.07  
MAXIMUM BUILDING HEIGHT: 35' MAX.  
PROPOSED BUILDING HEIGHT: 18.50'  
PROPOSED CANOPY HEIGHT: 18.75'  
MAXIMUM FLOOR AREA RATIO: 0.35  
PROVIDED FLOOR AREA RATIO: 0.065

BUILDING SETBACKS	REQUIRED	PROVIDED
NORTH:	50'	56'
EAST:	20'	20'
SOUTH:	30'	30'
WEST:	20'	91'

CANOPY SETBACKS	REQUIRED	PROVIDED
NORTH:	50'	51'
EAST:	20'	41'
SOUTH:	30'	132'
WEST:	20'	101'

ZONING:	LAND USE:
NORTH: (R-O-W)	(R-O-W)
SOUTH: C1	COMMERCIAL
EAST: (R-O-W)	(R-O-W)
WEST: C1	COMMERCIAL

#### PARKING DATA

REQUIRED PARKING (ADA): 1 SPACE / 25 REGULAR SPACES  
REQUIRED PARKING: 1 SPACE / 200 SF  
REQUIRED (2,824 SF / 200) = 14 SPACES  
REQUIRED (ADA): 1 SPACE  
PROVIDED TOTAL: 15 SPACES  
PROVIDED (ADA): 1 SPACE

#### PRE-CONSTRUCTION

IMPERVIOUS SITE RATIO (ISR)		
	PROJECT AREA	TOTAL
AREA	SQUARE SF	%
IMPERVIOUS (ROOF AND PAVING)	36,827	72
GREEN SPACE	14,284	28
TOTAL SITE	51,111	100

#### POST-CONSTRUCTION

PROPOSED SITE DATA:			
AREA	SQUARE FOOTAGE	ACREAGE	PERCENTAGE
BUILDING LOT COVERAGE (INCLUDING COVERED CANOPIES)	6,680 S.F.	0.15	13.1 %
SITE IMPERVIOUS AREA (EXCLUDING BUILDING LOT COVERAGE)	27,726 S.F.	0.64	54.2 %
SITE LANDSCAPE AREA	16,705 S.F.	0.38	32.7 %
TOTAL	51,111	1.17	100 %
TOTAL FLOOR AREA	2,824	0.065	5.53 %

#### PROPOSED

---	BOUNDARY LINE
---	CONCRETE CURB AND GUTTER
---	LANDSCAPE BUFFER LINE
---	BUILDING SETBACK LINE
[Pattern]	4" THICK CONCRETE SIDEWALK AROUND BUILDING
[Pattern]	LANDSCAPE
[Pattern]	PAVERED CROSSWALK PER CITY OF GREENACRES

#### SITE DETAILS

- 1A INTEGRAL CONCRETE CURB - SEE SHEET C-9  
2E DUMPSTER ENCLOSURE - SEE SHEET C-13  
3K CONCRETE SIDEWALK AROUND BUILDING - SHEET C-11  
5B TRAFFIC SIGN IN BOLLARD - SHEET C-9  
5F GUARD POST (SINGLE)  
9U ACCESSIBLE PARKING SYMBOL - SEE SHEET C-9  
9V ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN MOUNTED IN BOLLARD  
10A TRAFFIC FLOW ARROW (TYP.) - SEE SHEET C-9  
12D PARKING STRIPING PER THE CITY OF GREENACRES STANDARDS - SEE SHEET C-9  
12E "RIGHT TURN ONLY SIGN" R3-SR - SEE SHEET C-9  
12H "STOP" SIGN (R1-1) - SEE SHEET C-9  
13A SITE LIGHT POLE. SEE PHOTOMETRIC PLANS FOR POLE BASE DETAIL, FIXTURE TYPE, AND MOUNTING DETAILS.  
18G CONSTRUCTION CAMERA (COORDINATE LOCATION WITH PM - SEE SHEET C-9  
21G AIR VACUUM UNIT WITH 4'X7' CONCRETE SLAB - SEE SHEET C-11  
21P 7'X10' CONCRETE SLAB FOR PROPANE TANKS - SEE SHEET C-11  
21U 5'X7' ICE UNIT (SEE NUMBER INDICATED AT SYMBOL) - SEE SHEET C-11

#### SITE KEYNOTES

- 2G DRILL (4) 3/4" DIA. x 3" DEEP HOLES (1) EACH FOR OPEN & CLOSED POSITION OF GATES TO BE USED ON BOTH SIDES OF GATE. SEE DUMPSTER DETAIL.  
3A PROPOSED ACCESSIBLE ROUTE (MAX RUNNING SLOPE <5% MAX CROSS SLOPE <2%).  
6M DETECTABLE WARNING AREA PER FDOT 2023-24 STANDARD PLANS INDEX 522-002.  
8T SIGHT DISTANCE TRIANGLE PER FDOT DESIGN MANUAL - CHAPTER 212.  
8B OVERHEAD CANOPY - (TYP. PER CANOPY PLANS)  
10B 24" SOLID WHITE (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.  
10C SOLID WHITE (THERMOPLASTIC) PAVEMENT MARKING / MESSAGE PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.  
10F 6" DOUBLE YELLOW (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.  
10L 6" YELLOW STRIPE SKIP (Z-4") (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.  
14J GC TO INSTALL (1) 4" PVC SLEEVE FOR IRRIGATION LINE. SEE UTILITY PLAN FOR INSTALLATION REQUIREMENTS.  
14K GC TO INSTALL (2) 4" PVC SLEEVE FOR FUTURE USE. SEE UTILITY PLAN FOR INSTALLATION REQUIREMENTS.  
16A MURPHY PYLON SIGN PER APPROVED ELEVATION.  
21A TAPER CURB TO MATCH EXISTING CURB.  
21B TYPE F CURB AND GUTTER PER FDOT 2023-24 STANDARD PLANS INDEX 520-001.  
21D EDGE OF CONCRETE SLAB.  
21E UNDERGROUND STORAGE TANKS (1 - 25,000 GAL. & 1 - 26,000 GAL.).  
22B MATCH EXISTING SIDEWALK AND TYPE F CURB AND GUTTER.  
51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL.  
51C EXISTING LIFT STATION TO REMAIN.  
52A SIDEWALK CURB RAMP (CR-F) PER FDOT 2023-24 STANDARD PLANS INDEX 522-002.  
52 V EXISTING CURB INLET TO REMAIN.  
60C EXISTING POLICE MONITORING CAMERA  
61W EXISTING FIRE HYDRANT. SECONDARY EXISTING HYDRANT TO BE 300' FROM INITIAL HYDRANT  
62S PROPOSED 6" MASONRY WALL  
63B PROPOSED BIKE RACK - SEE SHEET C-9  
64G CITY OF GREENACRES SIGHT DISTANCE TRIANGLES  
64T FDOT SIGHT DISTANCE TRIANGLES

#### Existing Symbol Legend:

NOT TO SCALE	
[Symbol]	AIR RELEASE VALVE
[Symbol]	BORING HOLE LOCATION
[Symbol]	BRICK PAVERS
[Symbol]	CABLE TV RISER
[Symbol]	CENTRAL ANGLE
[Symbol]	CLEAN OUT
[Symbol]	COMMUNICATION MANHOLE
[Symbol]	CONCRETE
[Symbol]	CONCRETE LIGHT POLE
[Symbol]	CONCRETE LIGHT POLE (DUAL)
[Symbol]	CONCRETE LIGHT POLE (TRIPLE)
[Symbol]	CONCRETE LIGHT POLE (QUAD)
[Symbol]	CONCRETE MITERED END SECTION
[Symbol]	CONCRETE PAVERS
[Symbol]	CONCRETE RIP RAP
[Symbol]	CONCRETE UTILITY POLE
[Symbol]	COUNTY ROAD SYMBOL
[Symbol]	CROSSWALK SIGNAL POLE
[Symbol]	DETECTABLE WARNING AREA
[Symbol]	DUAL SUPPORT SIGN
[Symbol]	ELECTRICAL MANHOLE
[Symbol]	ELECTRIC METER
[Symbol]	ELECTRICAL JUNCTION BOX
[Symbol]	ELECTRIC OUTLET
[Symbol]	ELECTRIC RISER
[Symbol]	FIBER OPTIC MARKER
[Symbol]	FIRE DEPARTMENT CONNECTION
[Symbol]	FIRE HYDRANT
[Symbol]	FLOOD LIGHT
[Symbol]	FOUND CONCRETE MONUMENT (AS NOTED)
[Symbol]	FOUND IRON PIPE (AS NOTED)
[Symbol]	FOUND IRON REBAR (AS NOTED)
[Symbol]	FOUND/SET NAIL (AS NOTED)
[Symbol]	GARBAGE CAN
[Symbol]	GAS MARKER
[Symbol]	GAS VALVE
[Symbol]	GOPHER TORTOISE HOLE
[Symbol]	GRATE INLET
[Symbol]	GRAVEL/DIRT
[Symbol]	GREASE TRAP MANHOLE
[Symbol]	GROUND LIGHT
[Symbol]	GUY ANCHOR
[Symbol]	HANDICAP PARKING SPACE
[Symbol]	INTERSTATE SYMBOL
[Symbol]	IRRIGATION CONTROL VALVE
[Symbol]	LIGHT POLE
[Symbol]	LIGHT POLE (DUAL)
[Symbol]	LIGHT POLE (TRIPLE)
[Symbol]	LIGHT POLE (QUAD)
[Symbol]	MAILBOX
[Symbol]	MONITOR WELLS
[Symbol]	NAIL & DISC (AS NOTED)
[Symbol]	PARKING SPACES (2)
[Symbol]	POST INDICATOR VALVE
[Symbol]	PULL BOX (AS NOTED)
[Symbol]	REVISION NUMBER (3)
[Symbol]	RECLAIMED WATER METER
[Symbol]	RECLAIMED WATER VALVE
[Symbol]	ROOF DRAIN
[Symbol]	SANITARY SEWER MANHOLE
[Symbol]	SANITARY SEWER VALVE
[Symbol]	TITLE OR REPORT ITEM NUMBER
[Symbol]	SECTION CORNER
[Symbol]	4" X 4" CM LB #7143
[Symbol]	5/8" IR&C LB #7143
[Symbol]	SIGN
[Symbol]	SITE BENCH MARK
[Symbol]	STORM SEWER MANHOLE
[Symbol]	STRIPING (DIRECTIONAL)
[Symbol]	TELEPHONE CABLE RISER
[Symbol]	TELEPHONE MANHOLE
[Symbol]	TELEPHONE LINE MARKER
[Symbol]	TELEPHONE JUNCTION BOX
[Symbol]	TEST HOLE
[Symbol]	TRAFFIC SIGNAL BOX
[Symbol]	TRAFFIC SIGNAL SUPPORT POLE
[Symbol]	UNKNOWN MANHOLE
[Symbol]	UNKNOWN UTILITY MARKER
[Symbol]	UNKNOWN RISER
[Symbol]	UNKNOWN VALVE
[Symbol]	UTILITY FLAG (AS NOTED)
[Symbol]	VENT (AS NOTED)
[Symbol]	WATER METER
[Symbol]	WATER RISER
[Symbol]	WATER SERVICE
[Symbol]	WATER SPIGOT
[Symbol]	WATER SPRINKLER
[Symbol]	WATER VALVE
[Symbol]	WELL
[Symbol]	WETLAND FLAG
[Symbol]	WOOD UTILITY POLE
[Symbol]	WATER LINE MARKER
[Symbol]	WIRE HEIGHTS (SEE CHART)

#### GENERAL SITE NOTES

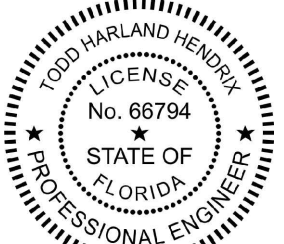
- A. ALL DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.  
B. ALL CURB RETURN RADI SHALL BE 3', AS SHOWN TYPICAL ON THIS PLAN, UNLESS OTHERWISE C. UNLESS OTHERWISE SHOWN, CALLED OUT OR SPECIFIED HEREON:  
ALL CURB AND GUTTER ADJACENT TO PAVING SHALL BE INSTALLED PER DETAIL.  
D. PAVEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE PAVING PLAN OVER THE ENTIRE PARKING LOT AREA AND ALL APPROACH DRIVES SEE ASSOCIATED PLANS FOR CANOPY, COLUMN, PUMP ISLAND DETAILS AND LAYOUT.  
E. CONTRACTOR SHALL BEGIN CONSTRUCTION OF ANY LIGHT POLE BASES FOR RELOCATED LIGHT FIXTURES AND RELOCATION OF ELECTRICAL SYSTEM AS SOON AS DEMOLITION BEGINS. CONTRACTOR SHALL BE AWARE THAT INTERRUPTION OF POWER TO ANY LIGHT POLES OR SIGNS SHALL NOT EXCEED 24 HOURS.  
F. THE LOCATION OF THE CONSTRUCTION FENCE ON THE DRAWINGS IS FOR GRAPHICAL REPRESENTATION ONLY. THE CONTRACTOR IS TO ENSURE THAT THE CONSTRUCTION FENCE ENCOMPASSES THE ENTIRE WORK AREA.  
G. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED/SODDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.  
H. CONTRACTOR SHALL PURCHASE AND INSTALL A MAILBOX AND SHALL COORDINATE LOCATION OF MAILBOX WITH MURPHY CONSTRUCTION MANAGER AND/OR ON-SITE REPRESENTATIVE AND LOCAL POSTMASTER.  
I. ALL PROPOSED PAVEMENT STRIPING OR MARKINGS SHALL FOLLOW THE SPECIFICATIONS FOR PAINT INCLUDED IN DETAIL 10A.  
J. ACCESSIBLE ROUTE SHALL BE PROVIDED FROM PUBLIC R.O.W. TO THE ACCESSIBLE BUILDING OR FACILITY ENTRANCE THEY SERVE - FBCA 206.2.1  
K. ACCESSIBLE ROUTE SHALL COMPLY WITH SLOPE AND LEVEL CHANGES REQUIREMENTS. SLOPES FOR ACCESSIBLE ROUTES SHALL BE NO STEEPER THAN 1:20 (EXCEPT FOR RAMPS), AND 1:48 MAX CROSS SLOPE - FBCA 403.3. CHANGES IN LEVEL IN WALKING SURFACES MAY NOT EXCEED 1/4" VERTICALLY. CHANGES IN LEVEL BETWEEN 1/4" MINIMUM AND 1/2" HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2 - FBCA 303.2 & 303.3. CHANGES IN LEVEL MORE THAN 1/2" SHALL BE RAMPED AND COMPLY W/ FBCA 405 OR 406 - FBCA 303.4.  
M. DUMPSTER ENCLOSURE TO HAVE SEPARATE RECEPTACLES FOR WASTE AND RECYCLING.

#### SITE SUMMARY

##### ONSITE

DESCRIPTION	QTY	UNIT
CONCRETE SIDEWALKS (4" THICKNESS)	440	LF
CURB	271	LF
HEAVY DUTY CONCRETE PAVEMENT DUMPSTER	720	SF
HEAVY DUTY CONCRETE PAVEMENT TANK	1,444	SF
STANDARD DUTY CONCRETE PAVEMENT	20,691	SF
TRAFFIC SIGNS AND ADA SIGNS	2	EACH
STORMWATER CATCH BASINS	6	EACH

SHEET NO.  
SP-3



March 04, 2025

TODD H. HENDRIX, P.E.  
FL. P.E. No. 66794

JOB NO. M3699  
Concept 1.0

JCH

DRW

DES

PM

TH

PRN

DATE

01/24/2024

REV-0

SITE PLAN  
MURPHY # 23039

6270 FOREST HILL BLVD  
GREENACRES, FLORIDA, 33415



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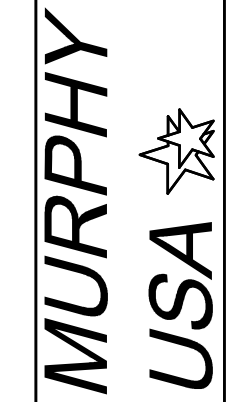
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Survey L.B. No. 7143

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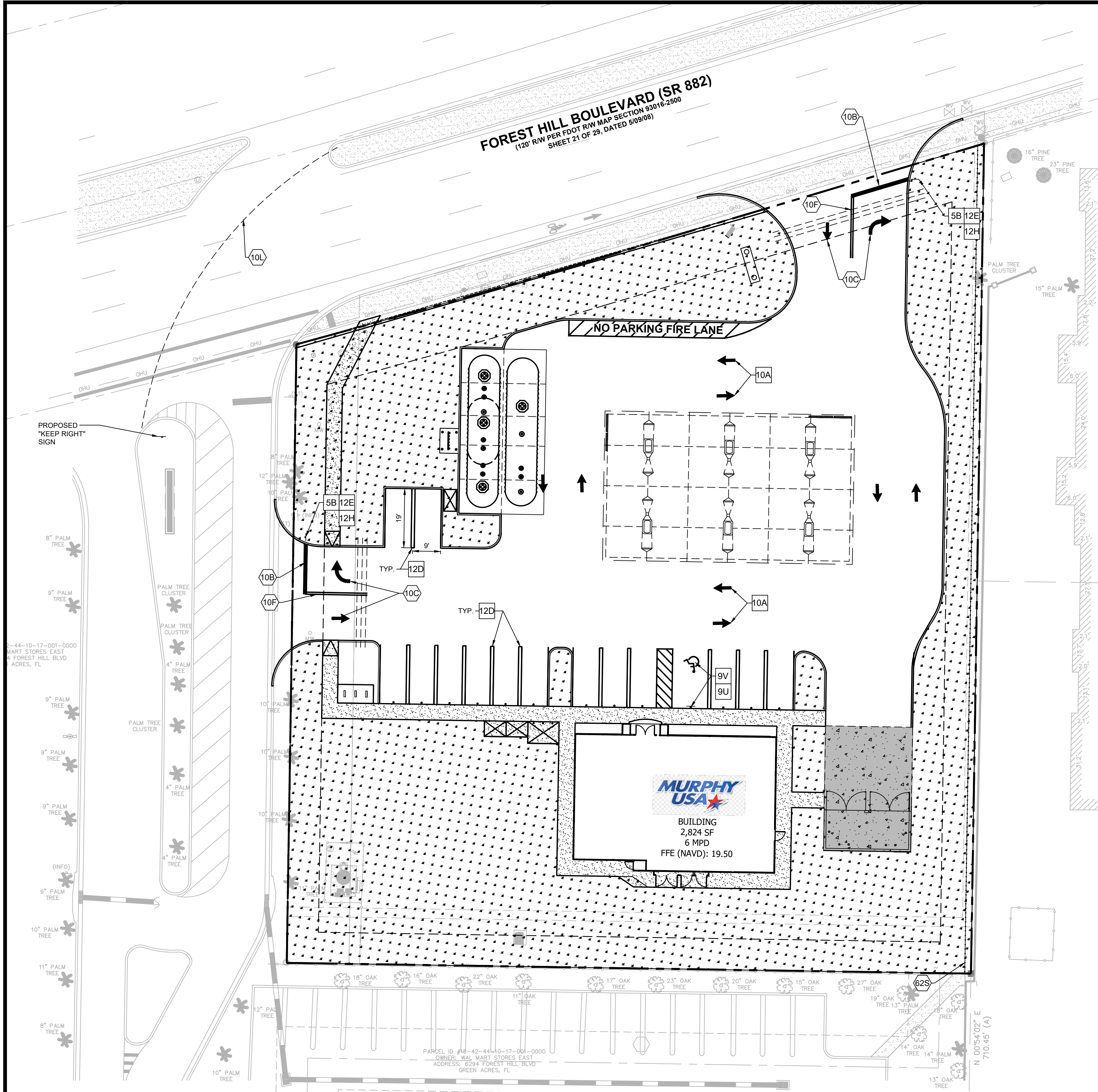
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GENERAL PAVEMENT MARKINGS AND SIGNAGE NOTES

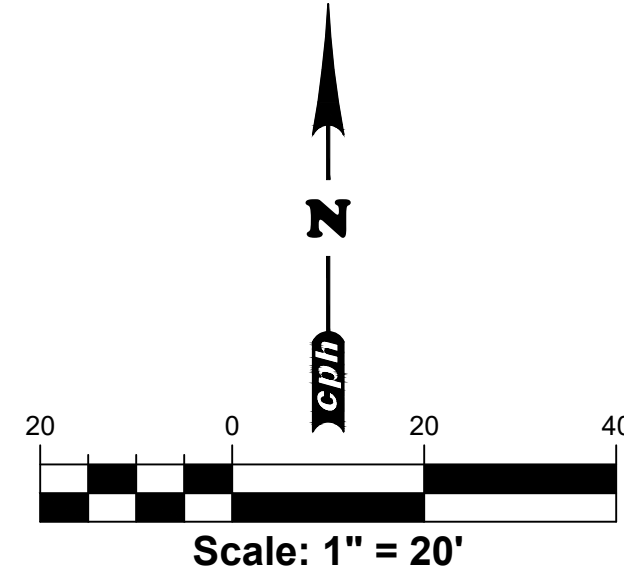
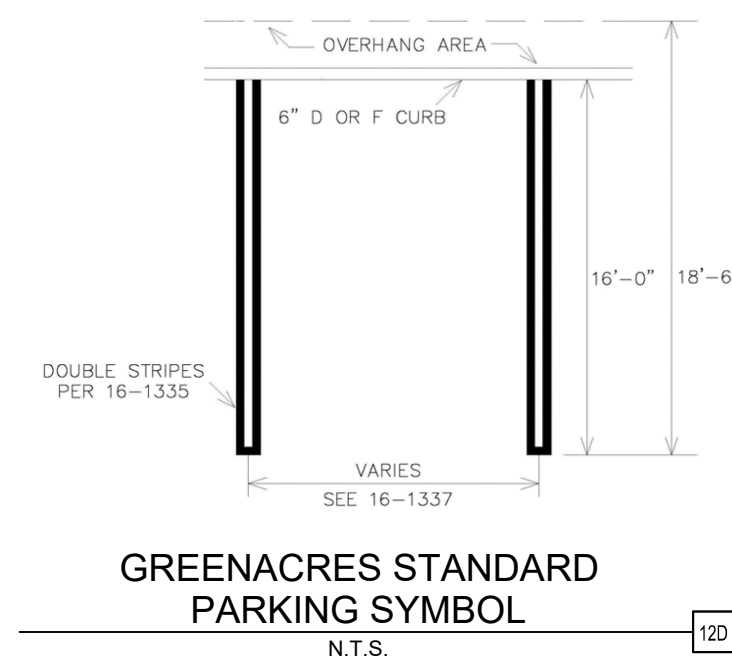
- A. A FIRE LANE SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA FIRE PREVENTION CODE, SECTION 18.2.3 (FIRE DEPARTMENT ACCESS ROADS) AND EXHIBIT A, GREENACRES AMENDMENTS TO THE FLORIDA FIRE PREVENTION CODE. THE MINIMUM WIDTH OF A FIRE LANE SHALL BE TWENTY FEET, UNLESS OTHERWISE REQUIRED BY THE FIRE PREVENTION CODE AND AMENDMENTS.
- B. THE FIRE LANE SHALL PROVIDE CLEAR, UNOBSTRUCTED ACCESS FOR EMERGENCY VEHICLES AND APPARATUS AT ALL TIMES.
- C. THE MINIMUM NUMBER OF HANDICAPPED PARKING SPACES SHALL BE PROVIDED AS SHOWN IN TABLE 16-1335(12) OF THE GREENACRES, FLORIDA CODE OF ORDINANCES.
- D. TRAFFIC CONTROL SIGNS AND OTHER PAVEMENT MARKINGS SHALL BE USED AS NECESSARY TO ENSURE SAFE AND EFFICIENT TRAFFIC OPERATION OF PARKING AND LOADING AREAS. SUCH SIGNING AND MARKINGS SHALL CONFORM WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CITY SIGN REGULATIONS AND ALL APPLICABLE CITY CODES AND REGULATIONS.
- E. EVERY PARKING SPACE, WITH THE EXCEPTION OF THOSE REQUIRED FOR SINGLE-FAMILY DWELLING AND TWO-FAMILY DWELLING DRIVEWAYS, AND FOR PARALLEL PARKING SPACES, SHALL BE MARKED WITH DOUBLE, HAIRPIN STRIPES ON EACH SIDE OF THE PARKING SPACE. THE WIDTH OF THE STRIPE SHALL BE FOUR INCHES, THE SEPARATION BETWEEN THE TWO STRIPES SHALL BE BETWEEN TWELVE AND EIGHTEEN INCHES AND THE SEPARATION SHALL BE CENTERED ON THE ASSUMED DIVIDING LINE BETWEEN THE PARKING SPACES. THE ENDS OF THE STRIPES AT THE DRIVING AISLE SHALL BE CONNECTED BY A CURVE (I.E. HAIRPIN) OR STRAIGHT (I.E. PERPENDICULAR) FOUR INCH STRIPE. STRIPING IS REQUIRED ADJACENT TO CURBING AND SHALL BE MARKED WITH A SINGLE FOUR INCH STRIPE.
- F. ALL STRIPES FOR HANDICAPPED SPACES SHALL BE BLUE.
- G. ALL STRIPING TO MEET MUTCD, FDOT, AND CITY OF GREENACRES CODE OF ORDINANCES.

SITE DETAILS

- 5B TRAFFIC SIGN IN BOLLARD - SHEET SP-9
- 9U ACCESSIBLE PARKING SYMBOL - SEE SHEET SP-9
- 9V ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN MOUNTED IN BOLLARD
- 10A TRAFFIC FLOW ARROW (TYP.) - SEE SHEET SP-9
- 12D PARKING STRIPING PER GREENACRES ARTICLE VIII SECTION 16-1335 - SEE SHEET SP-9
- 12E "RIGHT TURN ONLY SIGN" R3-R - SEE SHEET SP-9
- 12H "STOP" SIGN (R1-1) (36"x36") - SEE SHEET SP-9

SITE KEYNOTES

- 10B 24" SOLID WHITE (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.
- 10C SOLID WHITE (THERMOPLASTIC) PAVEMENT MARKING / MESSAGE PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.
- 10F 6" DOUBLE YELLOW (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.
- 10G 18" WHITE STRIPE (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.
- 10L 6" WHITE STRIPE SKIP (6'-10') (THERMOPLASTIC) PER FDOT 2023-24 STANDARD PLANS INDEX 711-001.



PROPOSED

- BOUNDARY LINE
- CONCRETE CURB AND GUTTER
- 4" THICK CONCRETE SIDEWALK AROUND BUILDING
- LANDSCAPE

SHEET NO.  
C-3.1



JOB NO. M3699  
JCH  
DES  
AD  
TH  
DATE  
REV-0  
01/24/2024  
PAVEMENT MARKING AND SIGNAGE PLAN  
MURPHY # 23039  
6270 FOREST HILL BLVD  
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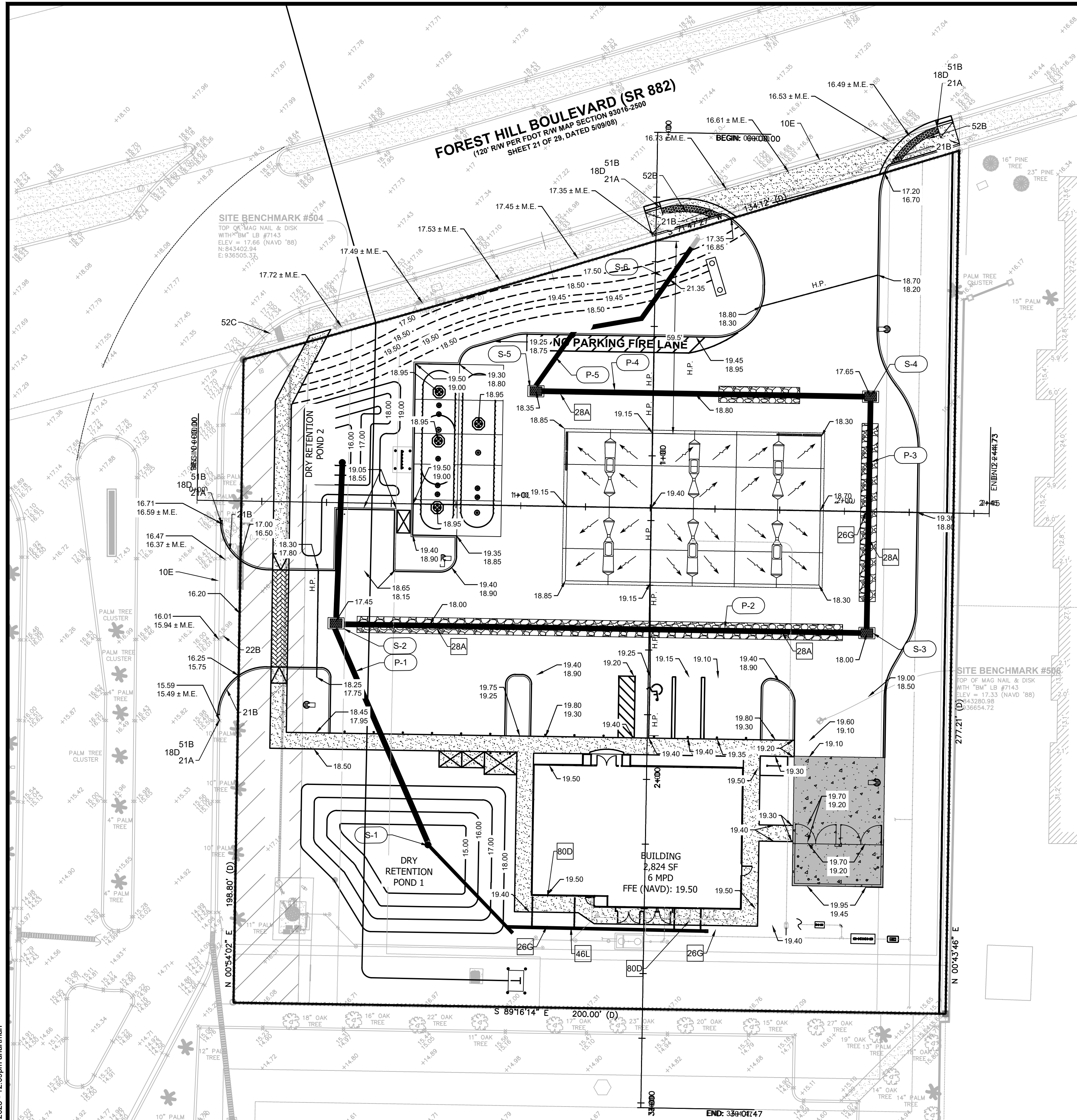
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USA



J:\M3899\Civil\DWG\_Curves\_Settling\SitePlan\SitePlan.dwg Feb 11, 2025 - 12:09pm alsharman



SEE SHEET C-4.2 FOR STORM DRAINAGE AND BUILDING ROOF DRAINAGE AND CANOPY DRAINAGE

T.B.M.  
SITE BENCHMARK #504  
TOP OF PK NAIL & DISK  
WITH "BM" LB #7143  
ELEV = 17.66 (NAVD '88)  
N: 843402.94  
E: 936505.37

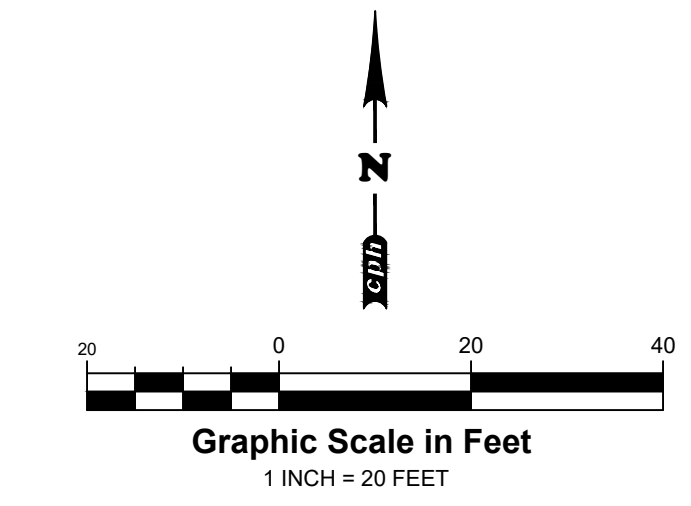
T.B.M.  
SITE BENCHMARK #506  
TOP OF PK NAIL & DISK  
WITH "BM" LB #7143  
ELEV = 17.33 (NAVD '88)  
N: 843280.98  
E: 936654.72

- GRADING KEYNOTES
- 10E DROP CURB PER FDOT STANDARD PLAN INDEX 520-001
  - 18D MATCH EXISTING PAVEMENT ELEVATIONS
  - 21A TAPER CURB TO MATCH EXISTING CURB
  - 21B TYPE F CURB AND GUTTER PER FDOT 2023-24 STANDARD PLANS INDEX 520-001
  - 22B EXISTING CURB AND GUTTER TO BE REMOVED
  - 51B LIMITS OF SAWCUT AND PAVEMENT REMOVAL
  - 52A SIDEWALK CURB RAMP (CR-G) PER FDOT 2022-23 STANDARD PLANS INDEX 522-002
  - 52B SIDEWALK PER FDOT 2023-24 STANDARD PLANS INDEX 522-001
  - 52C EXISTING RAISED SIDEWALK CURB TO REMAIN

- GRADING DETAILS
- 28A STORM SEWER TRENCH & BEDDING

- EXISTING
- IRON FOUND
  - 1/2" CAPED REBAR SET
  - CONCRETE MONUMENT FOUND
  - NAIL AND WASHER SET
  - CALCULATED POINT-NOT MONUMENTED
  - DEED and/or PLAT CALL
  - P.O.C. POINT OF COMMENCEMENT
  - P.O.B. POINT OF BEGINNING
  - R.O.W. RIGHT-OF-WAY
  - WOODEN PRIVACY FENCE
  - M.B.L. MINIMUM BUILDING LINE
  - UTILITY POLE W/ GUY WIRE
  - UTILITY POLE W/O GUY WIRE
  - OVERHEAD POWER LINE
  - BURIED POWER LINE
  - SIGN
  - CONCRETE SURFACE
  - LIGHT POLE
  - SANITARY SEWER CLEANOUT
  - SANITARY SEWER MANHOLE
  - SANITARY SEWER LINE
  - BURIED FIBER OPTIC LINE
  - FIBER OPTIC BOX
  - WATER LINE
  - WATER VALVE
  - WATER METER
  - FIRE HYDRANT
  - BOLLARD

- PROPOSED
- BOUNDARY LINE
  - GRADE BREAK
  - CONTOUR ELEVATIONS
  - SPOT ELEVATIONS:
    - XXXX TO = TOP OF CURB
    - XXXX G = GUTTER
    - XXXX TOI = TOP OF ISLAND
    - XXXX = FINISHED GRADE
  - DRAINAGE SLOPE AND DIRECTION
  - PROPOSED STORM PIPE



FDOT STANDARD GENERAL NOTES

- A. ALL WORK IN THE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE FY 2023/2024, JULY EDITION OF THE FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION, THE JULY 2023 FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, 2023 FLORIDA DESIGN MANUAL, 2018 FLORIDA GREENBOOK, AND THE 2018 MANUAL ON UNIFORM TRAFFIC CONTROL (MUTCD).
- B. ALL LANES MUST BE OPENED TO TRAFFIC WITHIN 12 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PERMITS MANAGER.
- C. ENGINEER SHALL SCHEDULE AND HAVE ON-SITE PRE-WORK MEETING WITH REPRESENTATIVES FROM THE ENGINEERING FIRM, FDOT, QUALITY CONTROL TESTING LABORATORY, PRIME CONTRACTOR, AND ANY OTHER INTERESTED PARTY PRESENT.
- D. PAVING CONTRACTOR SHALL SCHEDULE A PRE-PAVING MEETING WITH FDOT, PROPOSED ASPHALT MIX DESIGNS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO OR AT THE PRE-PAVING MEETING.
- E. CONTRACTOR MUST SUBMIT A QUALITY CONTROL PLAN FOR FDOT REVIEW AND APPROVAL BEFORE OR AT THE REQUIRED PRE-WORK MEETING. QUALITY CONTROL TESTING SHALL BE PERFORMED BY FDOT CERTIFIED TECHNICIANS AND TESTING LABORATORY. ALL TEST RESULTS SHALL BE PROVIDED TO FDOT AS SOON AS PRACTICAL.
- F. SOI AREAS WITHIN 32' O.D. EDGE OF PAVEMENT & SLOPES GREATER THAN 1:3. OTHER DISTURBED AREAS MAY BE REPAIRED BY SEEDING OR HYDRO-SEEDING. SEE FDOT STANDARD PLANS INDEX 570-010 AND SECTION 570 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
- G. ALL STRIPPING WITHIN FDOT RIGHT OF WAY SHALL BE THERMOPLASTIC AND ADHERE TO FDOT STANDARD PLANS INDEX 711-001 AND SECTION 711 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION. STANDARD SPEC 711-4.1 STATES "WAIT AT LEAST 14 DAYS AFTER CONSTRUCTION THE FINAL ASPHALT SURFACE COURSE TO PLACE THERMOPLASTIC PAVEMENT MARKINGS. INSTALLATION OF THERMOPLASTIC ON CONCRETE REQUIRES A CLEAN, DRY SURFACE. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION FOR THERMOPLASTIC ON CONCRETE. PROVIDE TEMPORARY PAVEMENT MARKINGS DURING THE INTERIM PERIOD PRIOR TO OPENING THE ROAD TO TRAFFIC."
- H. ALL LANE AND SHOULDER CLOSURES MUST BE REQUESTED IN WRITING AND APPROVED A MINIMUM OF 48 HOURS PRIOR TO WORK STARTING. ALLOW UP TO 2 WEEKS FOR LANE CLOSURE APPROVAL PROCESS.
- I. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PLACE SIDE DRAIN PIPES AT PROPER ELEVATIONS TO MATCH THE FLOWLINE OF THE DRAINAGE DITCH (NOT SEDIMENT BUILD-UP) TO ENSURE POSITIVE STORMWATER FLOW.

ALL CASTINGS SHALL BE COATED WITH BLACK ASPHALTIC VARNISH.

GRADES REFERENCED ON THIS SHEET ARE IN NAVD 88

STORMWATER SCHEDULE

- (P-1) 72 LF TOTAL 15" HDPE N-12 STORM PIPE @ 0.0% SLOPE
- (P-2) 159 LF TOTAL 15" HDPE N-12 STORM PIPE @ 0.0% SLOPE
- (P-3) 150 LF PERFORATED PIPE WITH EXFILTRATION TRENCH
- (P-4) 70 LF TOTAL 15" HDPE N-12 STORM PIPE @ 0.0% SLOPE
- (P-5) 55 LF PERFORATED PIPE WITH EXFILTRATION TRENCH
- (P-6) 99 LF TOTAL 15" HDPE N-12 STORM PIPE @ 0.0% SLOPE
- (P-7) 25 LF PERFORATED PIPE WITH EXFILTRATION TRENCH
- (S-1) 49 LF TOTAL 15" HDPE N-12 STORM PIPE @ 0.0% SLOPE
- (S-2) 12" PIPE NYLOPLAST DRAINAGE BASIN
- (S-3) RIM ELEV. = 15.00
- (S-4) INV. = 12.00
- (S-5) TYPE "D" CURB INLET PER FDOT STANDARD PLANS INDEX NO. 425-020 W/ MODIFIED TYPE J BOTTOM PER FDOT STANDARD PLANS INDEX 425.010 W/ TYPE II SKIMMER AND SUMP PER FDOT STANDARD PLAN INDEX 443-002
- (S-6) RIM ELEV. = 17.45
- (S-7) INV. ELEV. (SE) = 12.00
- (S-8) INV. ELEV. (E) = 12.00
- (S-9) TYPE "D" CURB INLET PER FDOT STANDARD PLANS INDEX NO. 425-020 W/ MODIFIED TYPE J BOTTOM PER FDOT STANDARD PLANS INDEX 425.010 W/ TYPE II SKIMMER AND SUMP PER FDOT STANDARD PLAN INDEX 443-002
- (S-10) RIM ELEV. = 18.00
- (S-11) INV. ELEV. (N) = 12.00
- (S-12) INV. ELEV. (W) = 12.00
- (S-13) TYPE "D" CURB INLET PER FDOT STANDARD PLANS INDEX NO. 425-020 W/ MODIFIED TYPE J BOTTOM PER FDOT STANDARD PLANS INDEX 425.010 W/ TYPE II SKIMMER AND SUMP PER FDOT STANDARD PLAN INDEX 443-002
- (S-14) RIM ELEV. = 17.65
- (S-15) INV. ELEV. (W) = 12.00
- (S-16) INV. ELEV. (S) = 12.00
- (S-17) TYPE "D" CURB INLET PER FDOT STANDARD PLANS INDEX NO. 425-020 W/ MODIFIED TYPE J BOTTOM PER FDOT STANDARD PLANS INDEX 425.010 W/ TYPE II SKIMMER AND SUMP PER FDOT STANDARD PLAN INDEX 443-002
- (S-18) RIM ELEV. = 18.35
- (S-19) INV. ELEV. (NE) = 12.00
- (S-20) INV. ELEV. (W) = 12.00
- (S-21) TYPE "D" CURB INLET PER FDOT STANDARD PLANS INDEX NO. 425-020 W/ MODIFIED TYPE J BOTTOM PER FDOT STANDARD PLANS INDEX 425.010 W/ TYPE II SKIMMER AND SUMP PER FDOT STANDARD PLAN INDEX 443-002
- (S-22) RIM ELEV. = 17.50
- (S-23) INV. ELEV. (NE) = 14.00
- (S-24) INV. ELEV. (SW) = 12.00

GENERAL GRADING NOTES

- A. PRIOR TO INSTALLATION OF STORM OR SANITARY SEWER, WATER MAIN, OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY, AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSING AND INFORM THE OWNER AND THE ENGINEER OF ANY REQUIRED DEVIATIONS FROM THE PLAN PRIOR TO CONSTRUCTION. NOTIFICATION SHALL BE MADE A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. THE ENGINEER AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- B. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED/SODDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- C. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
- D. REFER TO GEOTECHNICAL REPORT FOR SPECIFIC SITE SOIL CONDITIONS AND CONSIDERATIONS.
- E. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.
- F. HDPE PIPE IN SANDY OR HIGHLY EROSION, OR EXPANSIVE SOILS SHALL BE N-12 WT IB (OR EQUIVALENT WITH SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS. 4'-48" PIPE SHALL MEET ASTM F2648 (OR AASHTO M252 TYPE S) REQUIREMENTS AND SHALL HAVE A MINIMUM MANNINGS "n" DESIGN VALUE OF 0.012. JOINTS SHALL BE WATERTIGHT ACCORDING TO ASTM D3212 (OR AASHTO M252, M294) REQUIREMENTS. GASKETS SHALL MEET THE REQUIREMENTS OF ASTM F477. JOINT PERFORMANCE, FITTINGS, MATERIAL PROPERTIES AND INSTALLATION SHALL BE DONE PER THE COMPLETE ADS SPECIFICATION FOR ADS N-12 WE IB PIPE FOUND IN THE ADS, INC. DRAINAGE HANDBOOK, LATEST EDITION.
- G. ALL OTHER HDPE PIPE SHALL BE N-12 ST IB (OR EQUIVALENT WITH SMOOTH INTERIOR AND ANNUAL EXTERIOR CORRUGATIONS. 4'-48" SHALL MEET ASTM F2648 (OR AASHTO M252 TYPE S) REQUIREMENTS AND SHALL HAVE A MINIMUM MANNINGS "n" DESIGN VALUE OF 0.012. JOINT PERFORMANCE, FITTINGS, MATERIAL PROPERTIES AND INSTALLATION SHALL BE DONE PER THE COMPLETE ADS SPECIFICATIONS FOR ADS N-12 ST IB PIPE FOUND IN THE ADS, INC. HANDBOOK, LATEST EDITION.
- H. IF USING HDPE PERFORATED PIPE FOR SUBSURFACE DRAINAGE AND DETENTION/RETENTION SYSTEMS, THE PERFORATION SHALL MEET THE AASHTO CLASS II STANDARD PERFORATION PATTERN REQUIREMENTS.
- I. STORM SEWER LINES 18"-54" DIAMETER ARE TO BE REINFORCED CONCRETE PIPE ACCORDING TO ASTM C-76 TYPE III UNLESS OTHERWISE INDICATED. JOINTS SHALL BE WATER TIGHT AND WRAPPED WITH GEOTEXTILE FABRIC, LAPPED 18".
- J. CORRUGATED METAL PIPE, WHERE SPECIFICALLY SPECIFIED ON PLAN, SHALL BE TYPE II OF AASHTO M 36 GALVANIZED WITH TYPE 3 JOINTS.
- K. CONTRACTOR SHALL ESTABLISH GRADES OF FINISH PAVEMENT TO ENSURE PROPER (POSITIVE) DRAINAGE AND PREVENT PUDDLING OF WATER, ESPECIALLY IN PEDESTRIAN WALKWAYS. UNPAVED AREAS OF SITE SHALL ALSO BE GRADED FOR POSITIVE DRAINAGE. CONSULT ENGINEER SHOULD THEIR BE CONFLICTS WITH CRITICAL GRADES SHOWN HEREON.
- L. CONTRACTOR SHALL VERIFY ACTUAL FINISH FLOOR ELEVATION AFTER BUILDING SET AND NOTIFY ENGINEER OF RECORD AND PM WITHIN 48 HOURS OF ANY DISCREPANCY.
- M. CONTRACTOR TO CONFIRM BUILDING AND CANOPY FOOTER ELEVATIONS PRIOR TO BUILDING BEING SET.

SHEET NO. C-4

GRADING PLAN

MURPHY # 23039

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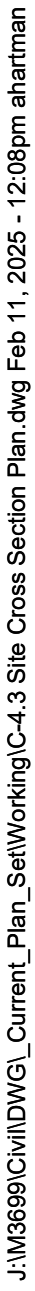
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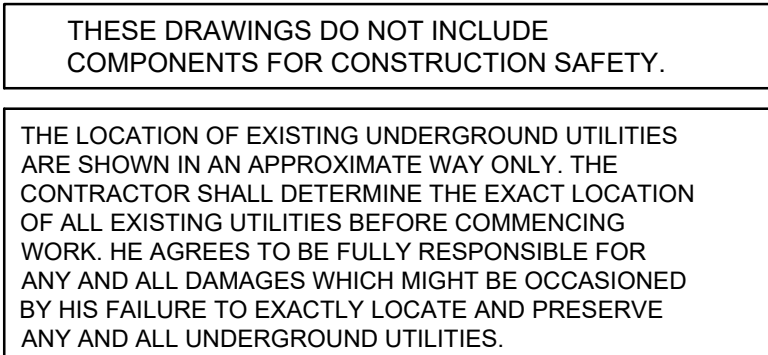
EL DORADO, AR 71731-7000

MURPHY USA





GENERAL CANOPY DRAINAGE NOTES	
1.	DRAINAGE PIPING AND FITTINGS FOR CANOPY DRAINAGE SHALL BE SOLVENT WELD PVC SCH. 40 (MIN.)
2.	REFER TO CLEANOUT DETAIL FOR REQUIRED HEAVY DUTY COVER.
3.	DRAINAGE PIPING SHALL BE ROUTED BELOW PRODUCT PIPING (MIN. 6" VERTICAL SEPARATION). COORDINATE WITH TANK/PIPING PLANS.
<div> <input type="checkbox"/> CANOPY DRAINAGE DETAILS         </div>	
26G	TEE CONNECTION WITH WATER TIGHT CONNECTION (INSERT A TEE BY ADS OR EQUIVALENT)
46L	ROOF DRAIN DOWNSPOUT CONNECTION
80D	DOWNSPOUT COLLECTOR



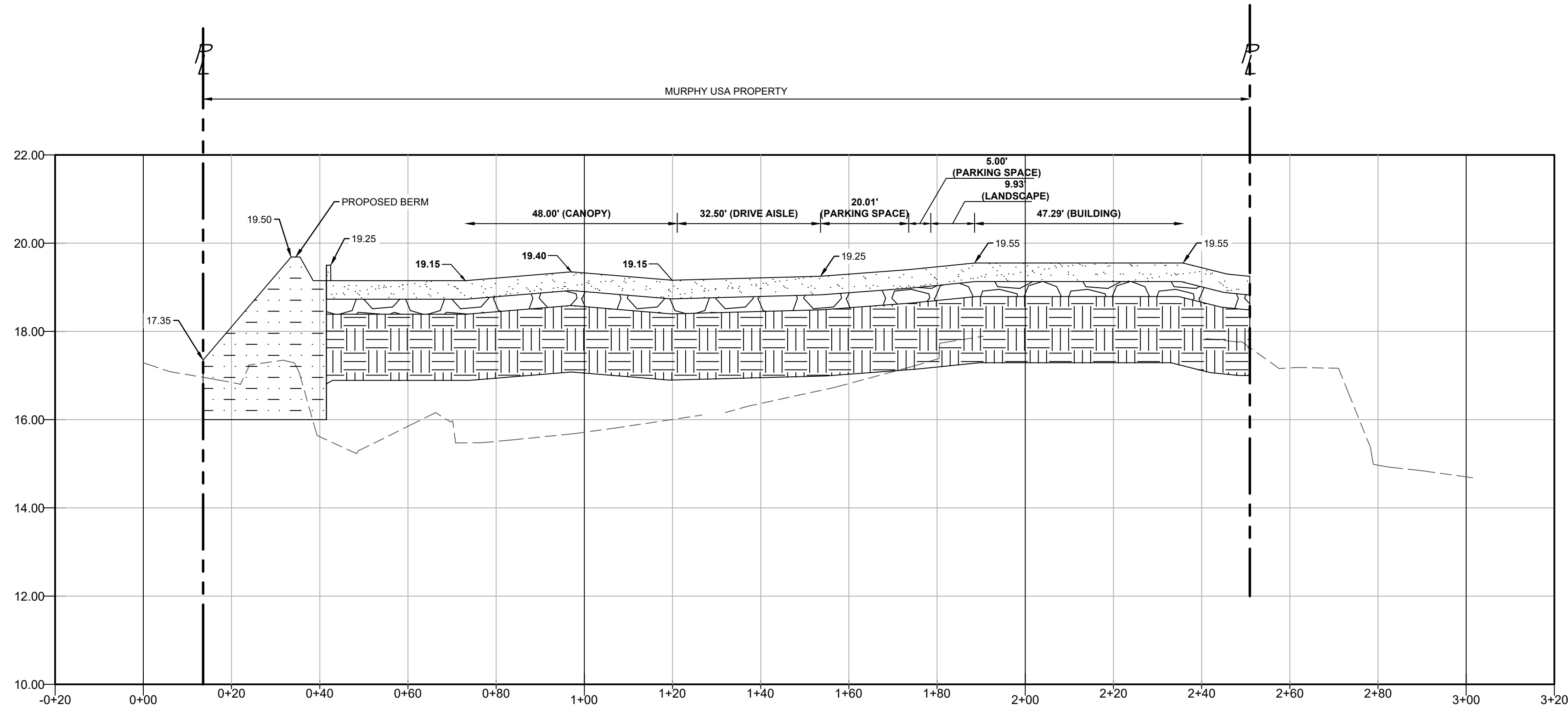
GRADES REFERENCED ON  
THIS SHEET ARE IN NAVD 88

ALL CASTINGS SHALL BE COATED  
WITH BLACK ASPHALTIC VARNISH.

ALL CANOPY DRAINAGE TO BE  
A MIN. OF 6" BELOW ALL  
PRODUCT PIPING.

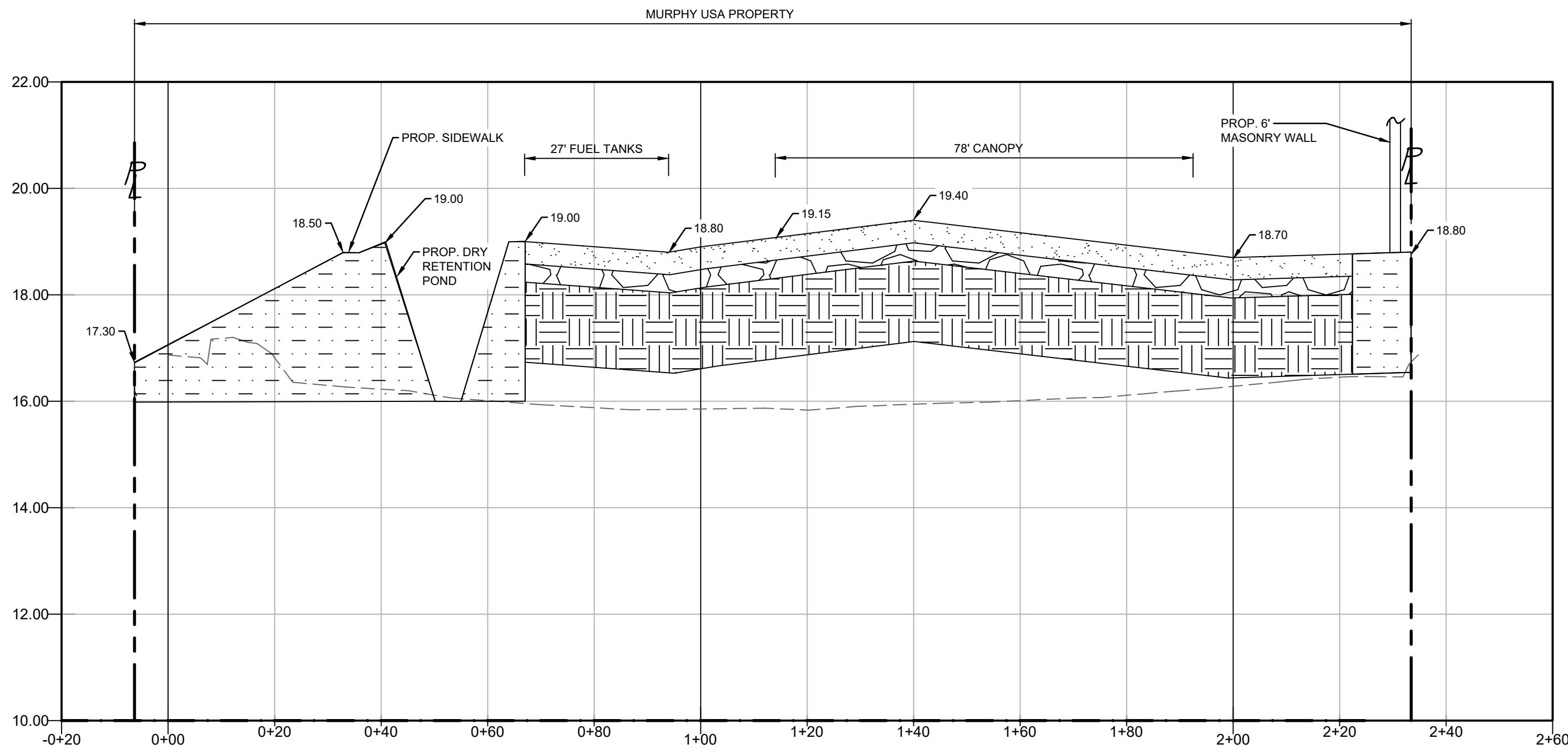
CONTRACTOR TO VERIFY ALL  
ELEVATIONS AND CONFLICTS  
PRIOR TO INSTALLING BUILDING  
AND CANOPY DRAINAGE.





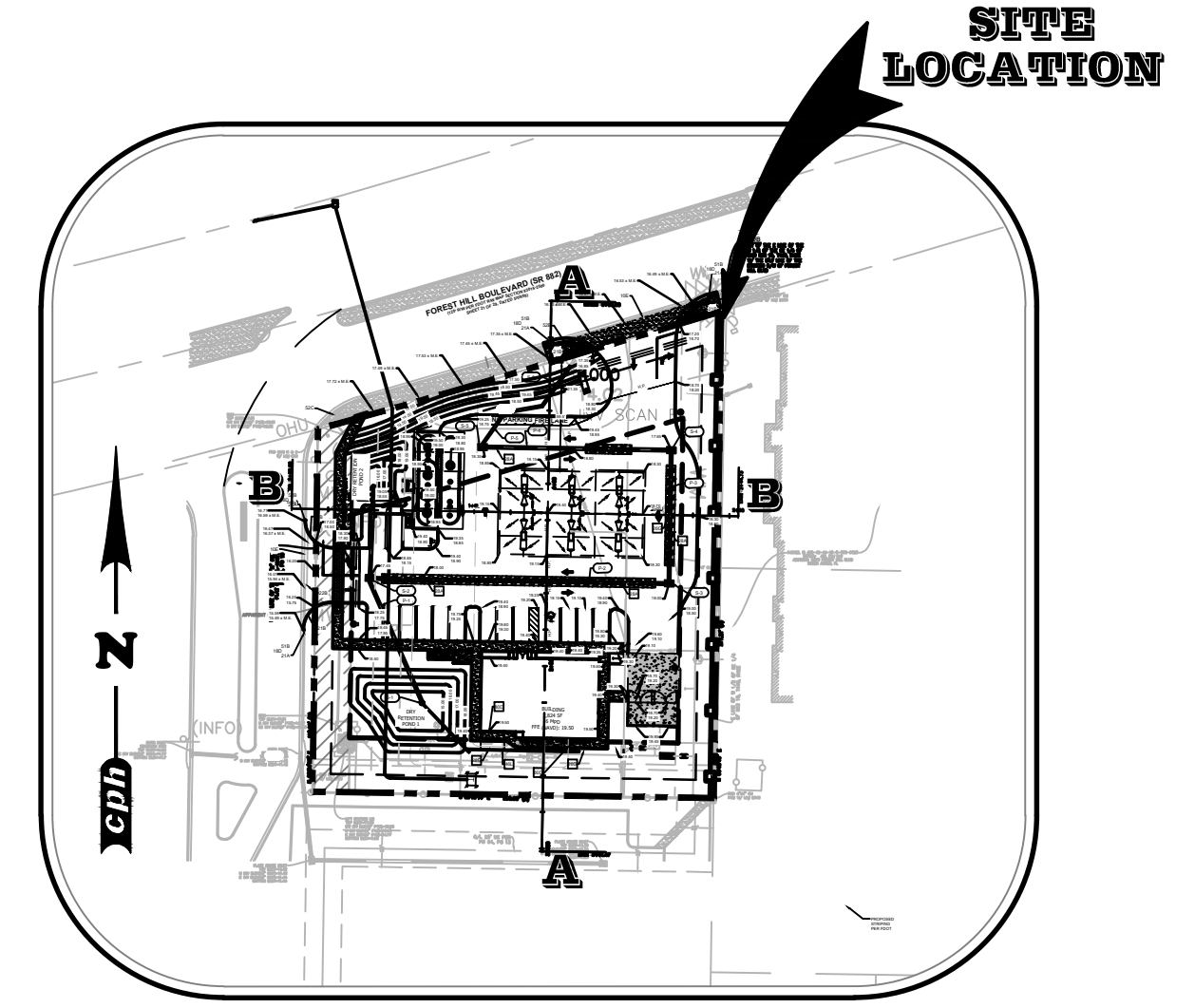
**SECTION 'A'-A'**

SCALE: 1" = 20' HORZ  
1" = 2' VERT



**SECTION 'B'-B'**

SCALE: 1" = 20' HORZ  
1" = 2' VERT



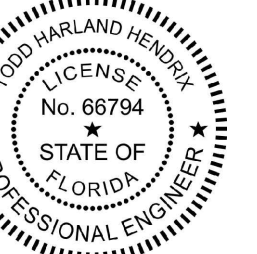
6270 FOREST HILL BOULEVARD, 33415  
GREENACRES, FLORIDA

**LOCATION SKETCH**

SCALE 1:100'

PROPOSED	
	PROP. 5' 4,000 PSI REINFORCED CONCRETE
	PROP. 4' FDOT GRADED AGGREGATE BASE STABILIZED TO MIN. LBR 100
	PROP. 18' FREE-DRAINING SUB-GRADE STABILIZED TO MIN. LBR 40
	PROP. LANDSCAPED AREA

SHEET NO.  
**C-4.3**



February 11, 2025  
TODD H. HENDRIX, P.E.  
FL P.E. No. 66794

JOB NO. M3899	JCH	DRW
Concept 1.0	—	DES
—	AH	PM
—	TH	PRN
01/24/2024	DATE	REV-0

**SITE CROSS-SECTION PLAN**

MURPHY # 23039  
6270 FOREST HILL BLVD  
GREENACRES, FLORIDA, 33415



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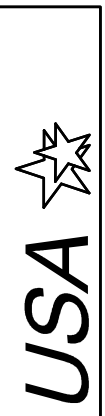
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Plans Prepared By:  
CPH, LLC  
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**MURPHY OIL USA, INC.**

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EL DORADO, AR 71731-7000



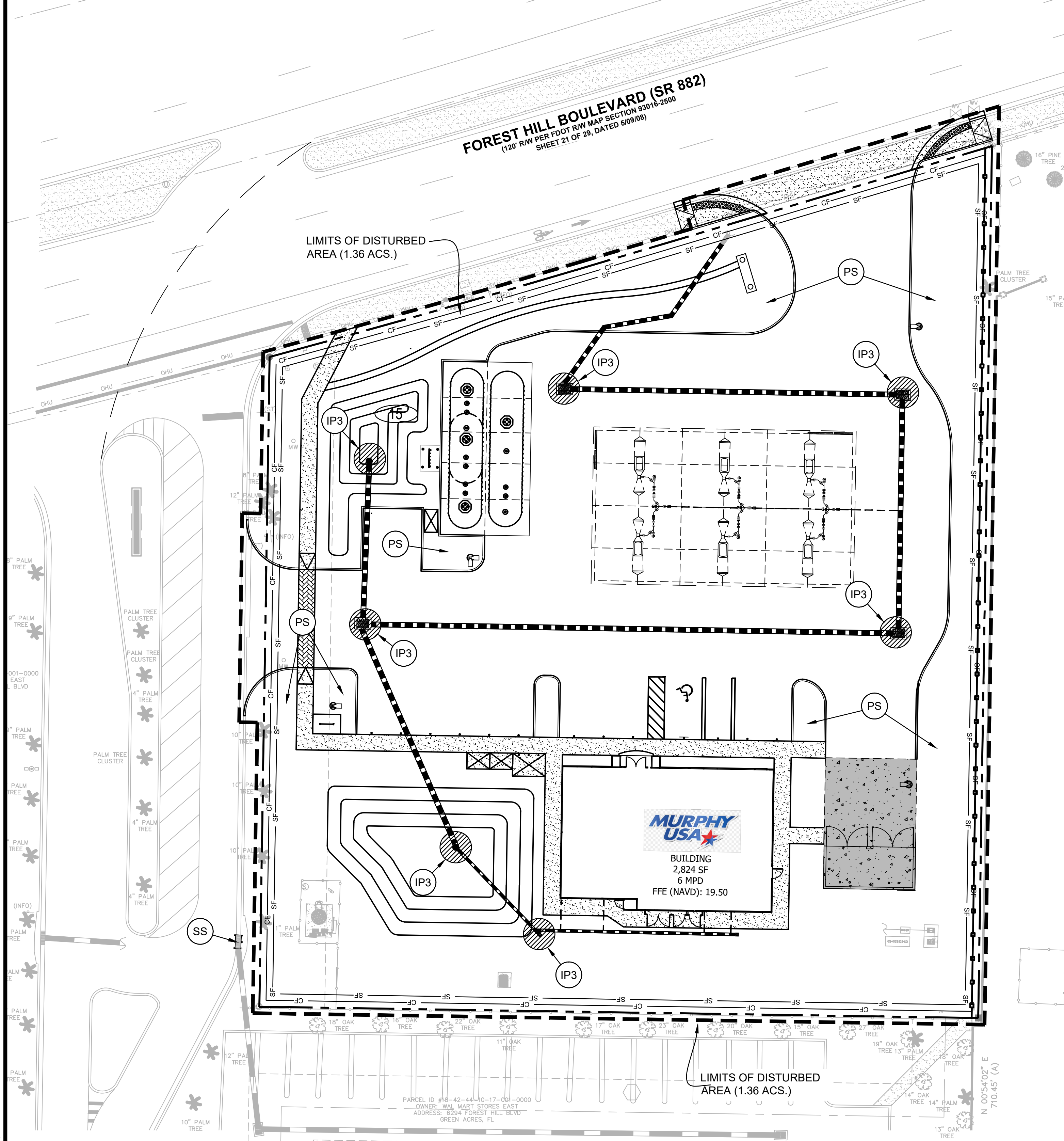
PLEASE REFER TO LP-1 FOR  
PLACEMENT OF ALL  
LANDSCAPING







J:\M3899\Civil\DWG\_Current\_Plan\_Set\Working\C-5.1 Erosion Control PH. II.dwg Jan 08, 2025 - 10:26am nrsantana



EXISTING	
● IRON FOUND	CONCRETE SURFACE
● 1/2" CAPPED REBAR SET	☼ LIGHT POLE
■ CONCRETE MONUMENT FOUND	○/C/S SANITARY SEWER CLEANOUT
+ NAIL AND WASHER SET	○/C/S SANITARY SEWER MANHOLE
▲ CALCULATED POINT-NOT MONUMENTED	—SS— SANITARY SEWER LINE
( ) DEED AND/OR PLAT CALL	—F/O— BURIED FIBER OPTIC LINE
P.O.C. POINT OF COMMENCEMENT	☐ FIBER OPTIC BOX
P.O.B. POINT OF BEGINNING	—W— WATER LINE
R.O.W. RIGHT-OF-WAY	⊕/W WATER VALVE
—/— WOODEN PRIVACY FENCE	⊕/M WATER METER
M.B.L. MINIMUM BUILDING LINE	⊕/F FIRE HYDRANT
—U— UTILITY POLE W/ GUY WIRE	● BOLLARD
—P— OVERHEAD POWER LINE	
—BP— BURIED POWER LINE	
—S— SIGN	

PROPOSED	
--- BOUNDARY LINE	
XX CONTOUR ELEVATIONS	
CF CONSTRUCTION FENCE (SEE DETAIL SHEETS)	
15 LIMIT OF DISTURBED AREA	
URBAN LAND, 0 TO 2 PERCENT SLOPES	

**PROJECT INFORMATION**

RECEIVING WATER IS UNAMED LOCAL DEPRESSION. DEPRESSION EVENTUALLY CONNECTS TO \_\_\_\_\_ MILES TO \_\_\_\_\_ OF PROJECT SITE.

PROPOSED PROJECT SITE MADE UP OF A SINGLE COMMERCIAL LOT. STORM RUN-OFF FROM SITE WILL PIPE INTO ON SITE DETENTION SYSTEM WHICH WILL ACCOMMODATE STORM RUN-OFF FOR THE GAS STATION LOT.

PROPOSED PROJECT IS CONSTRUCTING A GAS STATION CONSISTING OF \_\_\_\_\_ S.F. CONVENIENT STORE WITH \_\_\_\_\_ PUMP ISLANDS AND ASSOCIATED PARKING AREA.

ANTICIPATED CONSTRUCTION START DATE IS \_\_\_\_\_, 20\_\_\_\_, AND COMPLETION DATE IS \_\_\_\_\_, 20\_\_\_\_.

CONTRACTOR TO TAKE APPROPRIATE MEASURES TO KEEP SEDIMENT FROM ESCAPING SITE AND ALL ACCUMULATED SEDIMENT SHALL BE CLEANED OUT AND REMOVED FROM SITE.

DOWNSTREAM CONDITION WILL NOT BE NEGATIVELY AFFECTED BY PROPOSED DEVELOPMENT.

**EROSION DETAILS - SEE DETAIL SHEET C-5.2**

CE	CE STABILIZED CONSTRUCTION ACCESS
SF	SF SEDIMENTATION / SILT FENCE WITH WIRE SUPPORT
DC	DC DUST CONTROL (USING: PHASING OF THE PROJECT, MULCH, SPRINKLING WATER, SPRAY-ON-ADHESIVE, CALCIUM CHLORIDE, BARRIERS, ETC.)
SS	SS SILT SACK
TS	TS TEMPORARY TOPSOIL STOCKPILE
IP3	IP3 TEMPORARY GRAVEL INLET SEDIMENT FILTER
PS	PS PS PERMANENT STABILIZATION

SITE SOILS	
URB	- URBAN LAND 0% TO 2% SLOPE

**GENERAL EROSION NOTES**

- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THIS STORM WATER POLLUTION PREVENTION PLAN. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR TO LIMIT DISTURBANCE OF SITE IN STRICT ACCORDANCE WITH EROSION CONTROL SEQUENCING SHOWN ON THIS PLAN, OR AS REQUIRED BY THE APPLICABLE GENERAL PERMIT. NO UNNECESSARY OR IMPROPERLY SEQUENCED CLEARING AND/OR GRADING SHALL BE PERMITTED.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES. CONTRACTOR SHALL CONSTRUCT TEMPORARY BERM ON DOWNSTREAM SIDES AS NEEDED.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL BE MINIMIZED. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL DENUDED/BARE AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE, MUST BE STABILIZED IMMEDIATELY UPON COMPLETION OF MOST RECENT GRADING ACTIVITY, WITH THE USE OF FAST-GERMINATING ANNUAL GRASS/GRAIN VARIETIES, STRAWHAY MULCH, WOOD CELLULOSE FIBERS, TACKIFIERS, NETTING OR BLANKETS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY STABILIZED AS SHOWN ON THE PLANS. THESE AREAS SHALL BE SEEDED, SOODED, AND/OR VEGETATED IMMEDIATELY, OR STABILIZED AS SHOWN ON PLANS, NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO PREVENT TRACKING OF DIRT, DUST OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE. ONLY USE INGRESS/EGRESS LOCATIONS AS PROVIDED.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- CONTRACTORS OR SUBCONTRACTORS WILL BE RESPONSIBLE FOR REMOVING SEDIMENT IN THE DETENTION POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
- ON-SITE AND OFF-SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION AND SEDIMENT CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION AND POLLUTANT DISCHARGE.
- GENERAL CONTRACTOR IS TO DESIGNATE/IDENTIFY AREAS ON THE SITE MAPS, INSIDE OF THE LIMITS OF DISTURBANCE, FOR WASTE DISPOSAL AND DELIVERY AND MATERIAL STORAGE.

**BMP MAINTENANCE NOTES**

- SILT DIKE PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING OR SHALL BE REPLACED IF THEY SHOW SIGNS OF DETERIORATION.
- ALL SEEDED AREAS SHALL BE CHECK REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED AS NEEDED. MULCH SHALL BE UTILIZED WHERE EROSION OF DENUDED AREAS IS ANTICIPATED.
- SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
- THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND. PUBLIC RIGHT-OF-WAYS WILL BE CHECKED DAILY FOR MUD. IF MUD IS FOUND IT WILL BE CLEANED FROM PUBLIC RIGHT-OF-WAYS ON A DAILY BASIS.
- THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
- IF THE STONES IN THE GRAVEL INLET SEDIMENTS FILTERS BECOME CLOGGED WITH SEDIMENT AND CAPACITY IS REDUCED BY HALF, THE STONES MUST BE PULLED AWAY, CLEANED AND REPLACE.
- UPON SOLIDIFYING, CONCRETE SHALL BE REMOVED FROM WASHOUT AREA AND PROPERLY DISPOSED OF TO PREVENT RUNOFF.

**SEQUENCE OF CONSTRUCTION**

- PHASE I**
- INSTALL STABILIZED CONSTRUCTION ENTRANCES
  - PREPARE TEMPORARY PARKING AND STORAGE AREA
  - CONSTRUCT THE SILT FENCES ON THE SITE
  - INSTALL ALL PERIMETER SEDIMENT MEASURES
  - INSTALL ALL TEMPORARY EROSION & SEDIMENT CONTROLS AS NEEDED
  - CLEAR AND GRUB THE SITE
  - BEGIN GRADING THE SITE
- PHASE II**
- START CONSTRUCTION OF BUILDING PAD, STRUCTURES, AND OFF-SITE IMPROVEMENTS
  - TEMPORARILY SEED DENUDED AREAS
  - INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS
  - INSTALL INLET/FILL PROTECTION DEVICES
  - INSTALL RIP RAP AROUND OUTLET STRUCTURES
  - PREPARE SITE FOR PAVING
  - PAVE SITE
  - COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING
  - REMOVE EROSION AND TEMPORARY SEDIMENT CONTROL DEVICES AFTER FINAL STABILIZATION IS ACHIEVED

**DISTURBED AREA:**

- TOTAL SITE AREA = 1.17 ACS.
- DISTURBED AREA = 1.36 ACS.

THE LOCATION OF THE SILT FENCE AND CONSTRUCTION FENCE ON THE DRAWINGS IS FOR GRAPHICAL REPRESENTATION ONLY. THE CONTRACTOR IS TO ENSURE THAT THE SILT FENCE AND CONSTRUCTION FENCE ENCOMPASSES THE ENTIRE WORK AREA.

ALL EROSION CONTROL MEASURES SHALL BE IN PLACE AS REQUIRED BY THE ENGINEER, PLANS, AND CITY REPRESENTATIVE. SILTATION CONTROL MEASURES SHALL BE INSPECTED PER THE NPDES PERMIT REQUIREMENTS. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY AND NO FURTHER WORK WILL PROCEED UNTIL SAID DEFICIENCIES ARE CORRECTED TO THE CITY ENGINEERS' APPROVAL.

EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

"THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES."

"EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE"

Always call 811 two full business days before you dig to have underground utilities located and marked.

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**24 HR EMERGENCY CONTACT:**  
**KARA RICHARDS, PMP (870) 314-1553**

**SHEET NO. C-5.1**

**EROSION CONTROL PH. II**  
**MURPHY # 23039**  
**6270 FOREST HILL BLVD**  
**GREENACRES, FLORIDA, 33415**

**MURPHY OIL USA, INC.**

**MURPHY USA**

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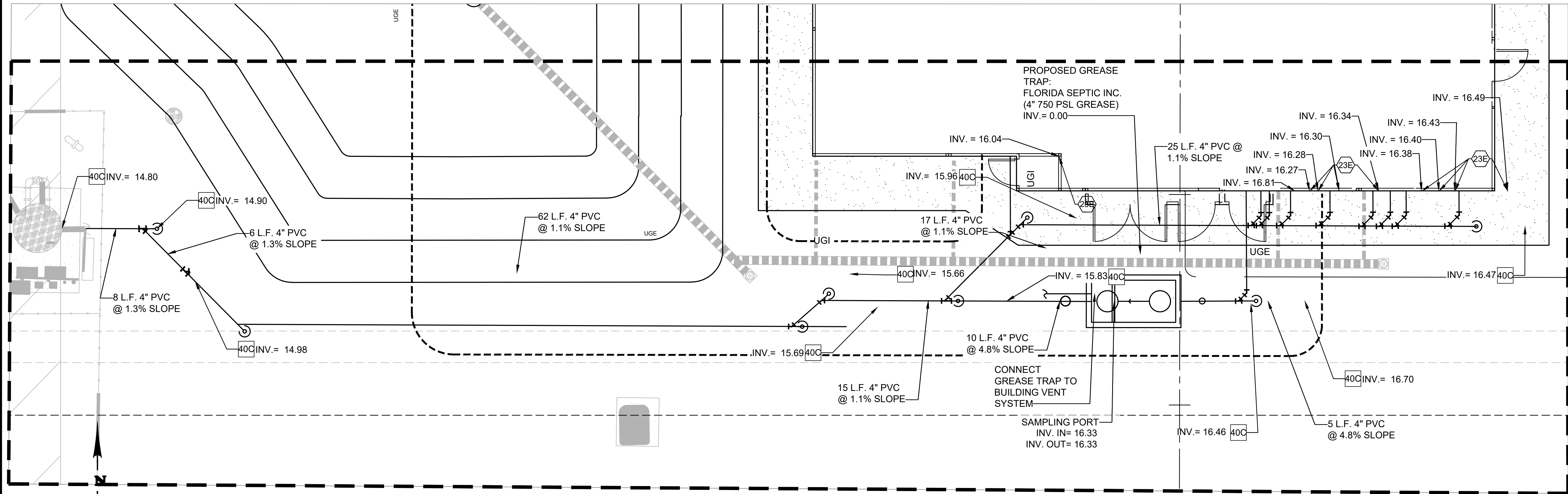
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Ph: 305.274.4805  
Licenses:  
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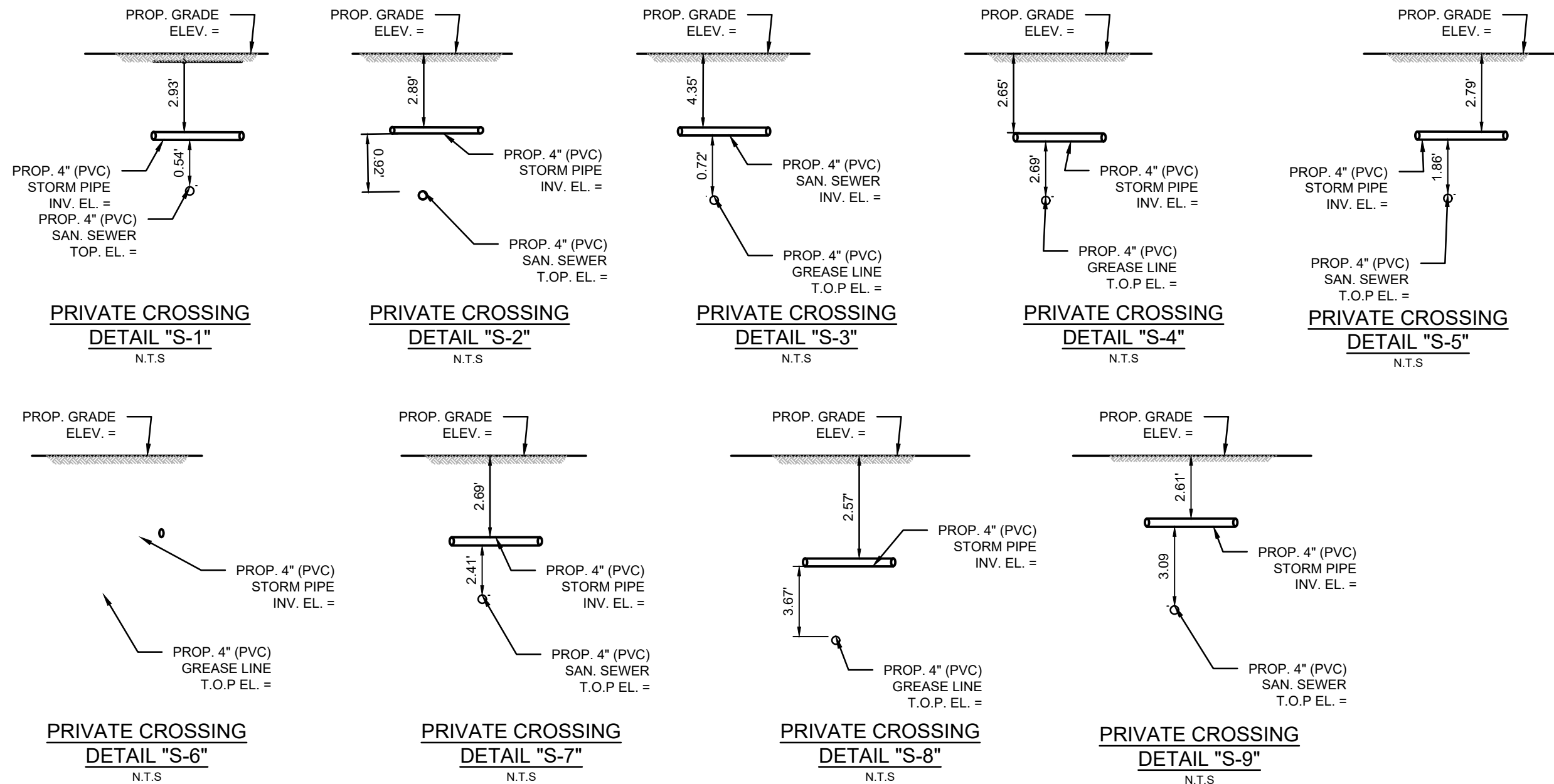
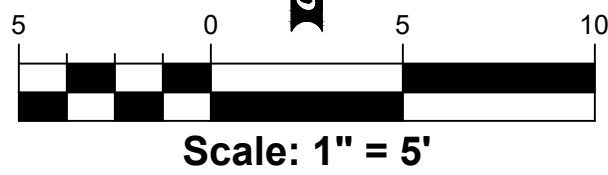






INSET A

SCALE: 1" = 5'



- UTILITY NOTES
- 11M EXISTING COMMUNICATION HANDHOLE TO BE REMOVED AND REPLACED WITH TRAFFIC RATED MANHOLE WITH STEEL RING AND COVER.
- 20A FREEZELESS YARD HYDRANT AT PUMP ISLAND (2\"/>

- UTILITY DETAILS
- 40C SANITARY SEWER CLEAN OUT
- 40E SANITARY SEWER SERVICE CONNECTION TO EXISTING SEWER STUB OUT
- 41A TRENCH DETAIL
- 42B SANITARY SEWER TRENCHING AND BEDDING
- 43A BACKFLOW PREVENTER
- 45G 1,000 GALLON GREASE INTERCEPTOR
- 75D TRANSFORMER PAD

REFER TO GALLOWAY PLANS FOR SIZING, ROUTING AND INSTALLATION REQUIREMENTS OF CANOPY AND TANKS ELECTRIC CONDUITS AND WIRING.

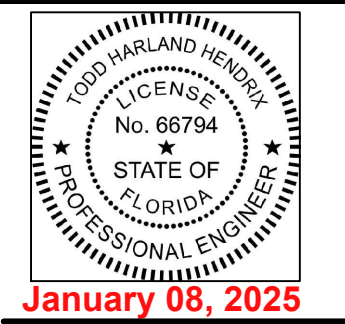
Always call 811 two full business days before you dig to have underground utilities located and marked.



EXISTING	
— PROPERTY LINE	FIRE HYDRANT
AREA DRAIN OR CATCH BASIN	GAS METER
PROP. MON.	GAS MARKER
CLEAN OUT	GUARD POST
DOWN SPOUT	GAS VALVE
ELECTRIC METER	HC SIGN
ELECTRIC MANHOLE	HC PARKING
ELECTRIC MARKER	TR=100.00'
ELECTRIC UTILITY RISER	INLET
ELECTRIC UTILITY TRANSFORMER	LIGHT POLE
	MISC. MARKER
<hr/>	
PROPOSED	
BOUNDARY LINE	
	SANITARY SEWER SERVICE
	UNDERGROUND ELECTRIC SERVICE
	UNDERGROUND TELEPHONE SERVICE
	WATER SERVICE
	CONSTRUCTION FENCE

- GENERAL UTILITY NOTES
- A. ALL BUILDING WATER LINES FROM METER TOWARDS BUILDING SHALL BE POLYETHYLENE (PE) PLASTIC TUBING MEETING ASTM D2737, AWWA C901, AND CSA B137.1 SPECIFICATIONS AND SHALL BE RATED FOR USE WITH POTABLE WATER PER NSF ST. 61 WITH 36\"/>
- B. ALL SANITARY SEWER LINES SHALL BE SCHEDULE 40 PVC UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, PROVIDE 36\"/>
- C. CONTRACTOR SHALL COORDINATE ANY DISRUPTIONS TO EXISTING UTILITY SERVICES WITH ADJACENT PROPERTY OWNERS.
- D. ALL ELECTRIC AND TELEPHONE EXTENSIONS INCLUDING SERVICE LINES SHALL BE CONSTRUCTED TO THE APPROPRIATE UTILITY COMPANY SPECIFICATIONS. ALL UTILITY DISCONNECTIONS SHALL BE COORDINATE WITH THE DESIGNATED UTILITY COMPANIES.
- E. CONSTRUCTION SHALL NOT START ON ANY PUBLIC UTILITY SYSTEM UNTIL WRITTEN APPROVAL HAS BEEN RECEIVED BY THE ENGINEER FROM THE APPROPRIATE GOVERNING AUTHORITY AND CONTRACTOR HAS BEEN NOTIFIED BY THE ENGINEER.
- F. PRIOR TO THE CONSTRUCTION OF OR CONNECTION TO ANY STORM DRAIN, SANITARY SEWER, WATER MAIN OR ANY OTHER UTILITIES, THE CONTRACTOR SHALL EXCAVATE, VERIFY AND CALCULATE ALL POINTS OF CONNECTION AND ALL UTILITY CROSSINGS AND INFORM CONSULTING ENGINEER(S) AND THE OWNER/DEVELOPER OF ANY CONFLICT OR REQUIRED DEVIATIONS FROM THE PLAN. NOTIFICATION SHALL BE MADE A MINIMUM OF (72) HOURS PRIOR TO CONSTRUCTION. CONSULTANT AND ITS CLIENTS SHALL BE HELD HARMLESS IN THE EVENT THAT THE CONTRACTOR FAILS TO MAKE SUCH NOTIFICATION.
- G. CONTRACTOR SHALL COMPLY COMPLETELY WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS IS TO INCLUDE, BUT NOT LIMITED FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH PERFORMANCE CRITERIA AS REQUIRED BY OSHA.

SHEET NO.  
C-6.1



TODD H. HENDRIX, P.E.  
FL. P.E. No. 66794

REV-0	01/24/2024	DATE	TH	PRN	PM	DES	DRW	JCH	CONCEPT 1.0	JOB NO. M3699
UTILITY PLAN (2 OF 2)										MURPHY # 23039
6270 FOREST HILL BLVD										GREENACRES, FLORIDA, 33415



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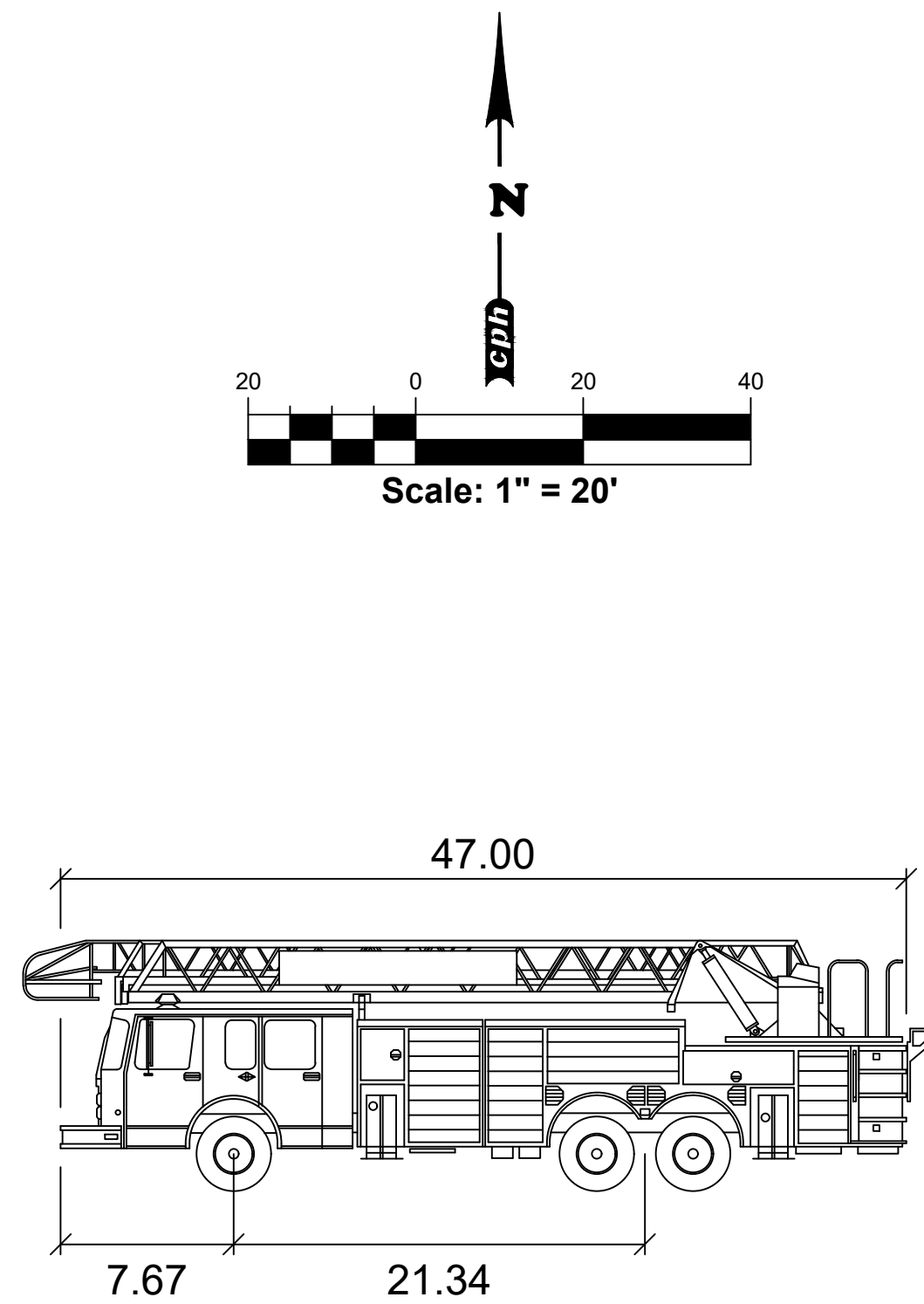
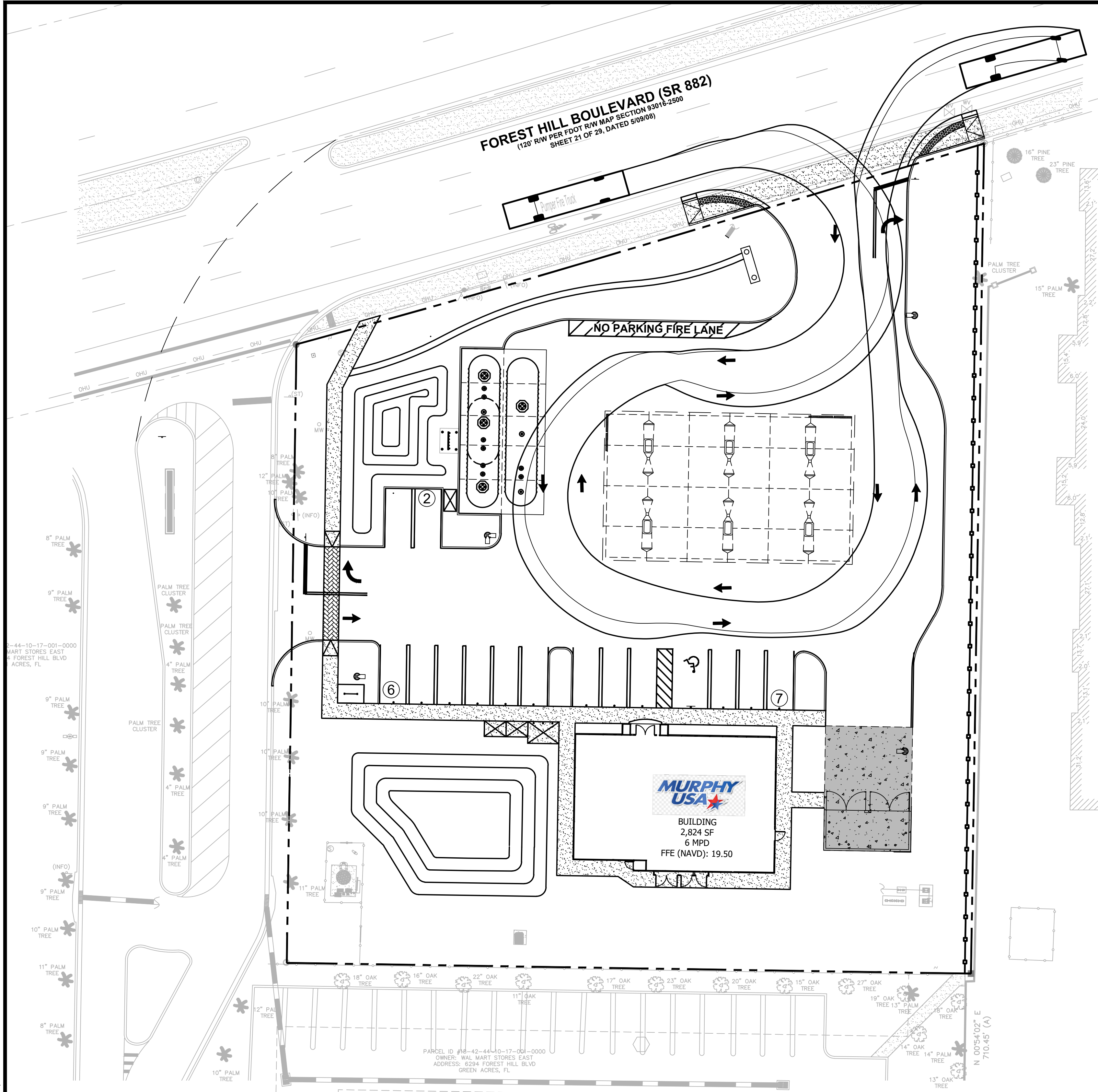
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MURPHY  
USA





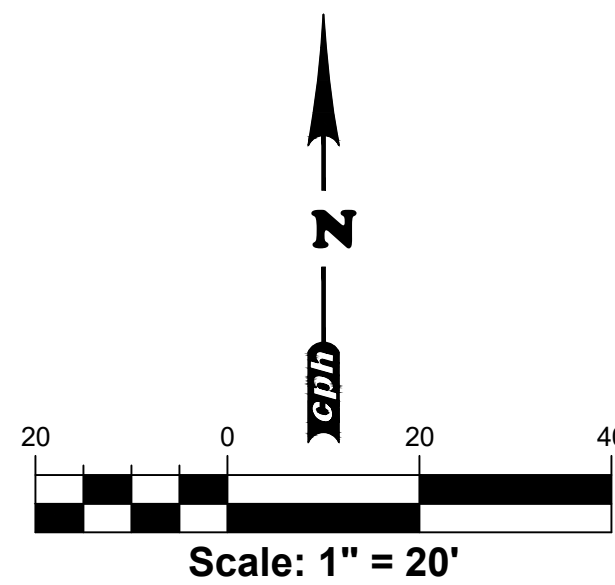


J:\M3699\Civil\DWG\_Current\_Plan\_Set\Working\C-3.1 Fire Truck Route Plan.dwg Jan 08, 2025 - 10:58am nmanana



Fire Truck

	feet
Width	: 10.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 40.0



**MURPHY OIL USA, INC.**  
**MURPHY**  
**USA**

200 PEACH STREET  
EL DORADO, AR 71731-7000

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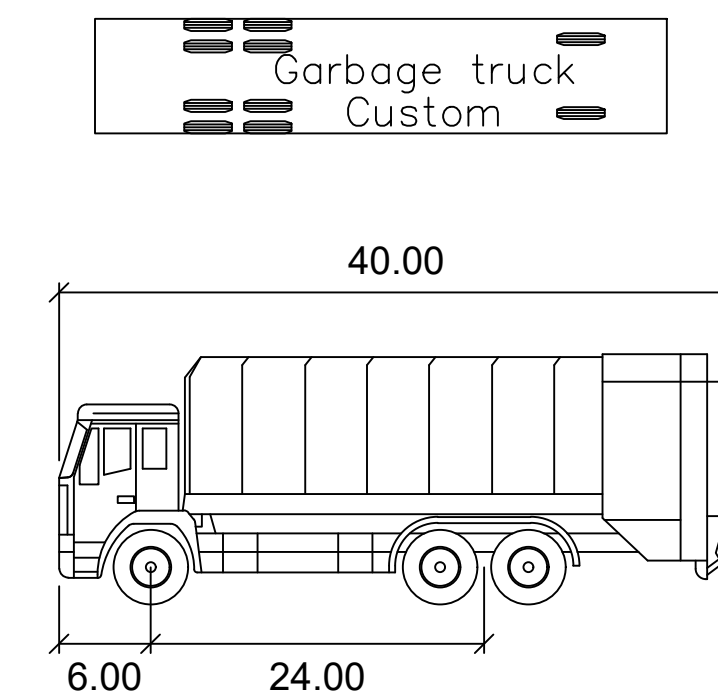
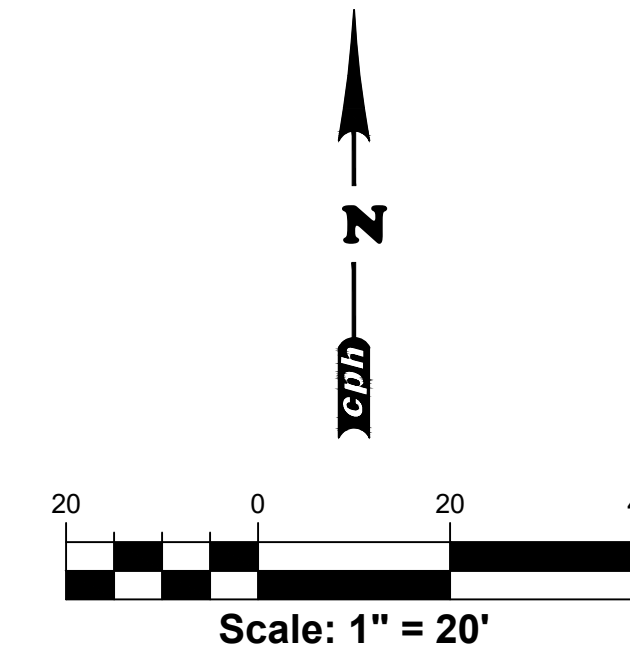
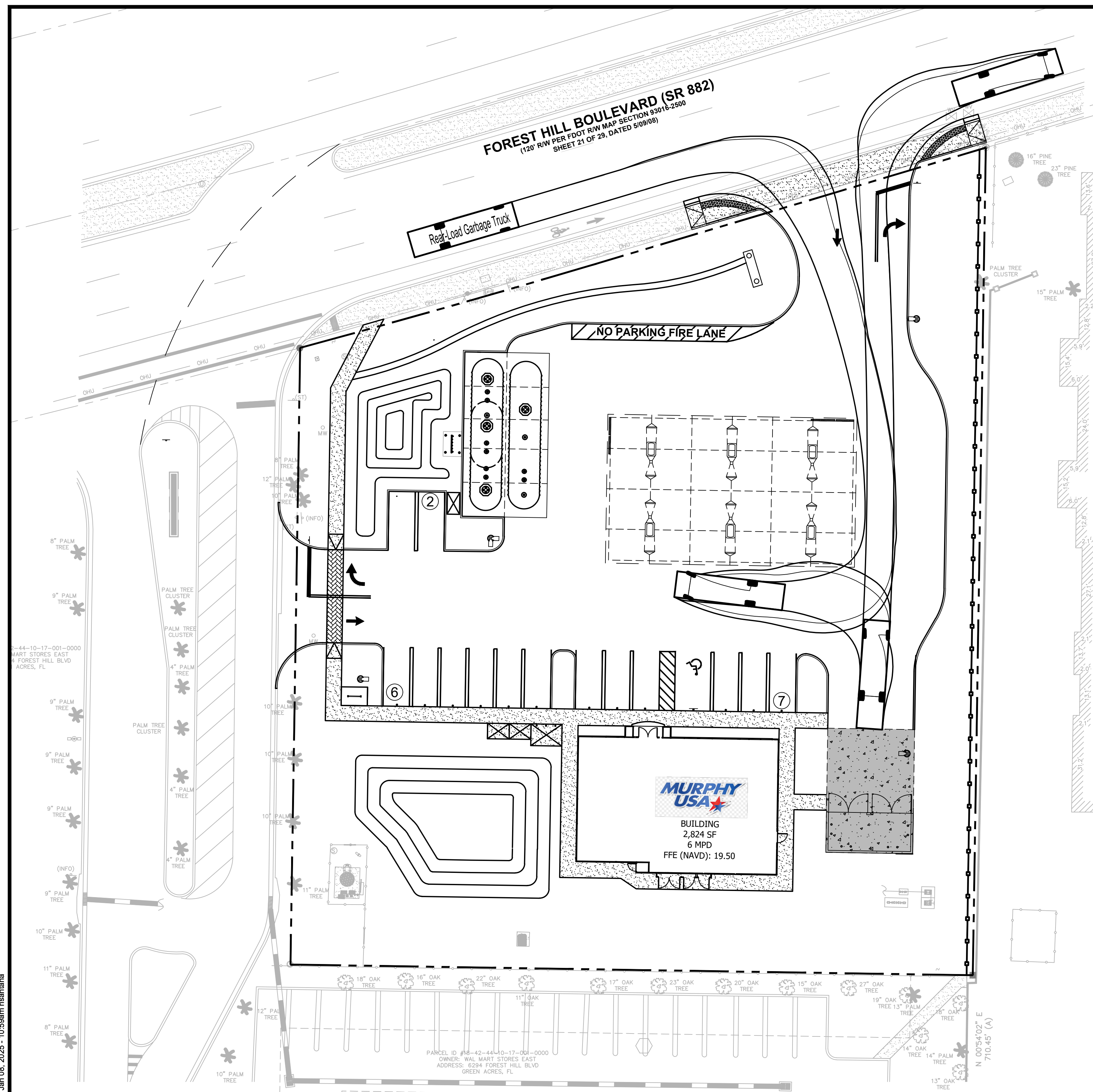
**FIRE TRUCK PLAN**  
**MURPHY # 23039**  
6270 FOREST HILL BLVD  
GREENACRES, FLORIDA, 33415

REV-0 01/24/2024 DATE

TODD H. HENDRIX, P.E.  
FL. P.E. No. 66794  
January 08, 2025  
PROFESSIONAL ENGINEER  
STATE OF FLORIDA  
No. 66794  
TODD H. HENDRIX, P.E.

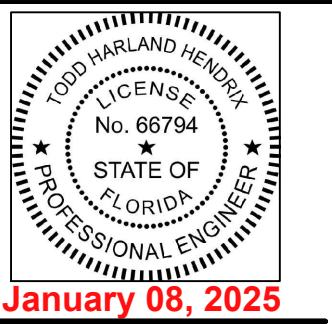
**SHEET NO.**  
**SP-8.1**





Garbage truck	
	feet
Width	: 8.00
Track	: 8.00
Lock to Lock Time	: 6.0
Steering Angle	: 40.0

**SHEET NO.**  
**SP-8.2**



REV-0	DATE	PRN	PM	DES	DRW	Concept 1.0
<p><b>DUMPSTER TRUCK ROUTE PLAN</b>  MURPHY # 23039  6270 FOREST HILL BLVD  GREENACRES, FLORIDA, 33415</p>						




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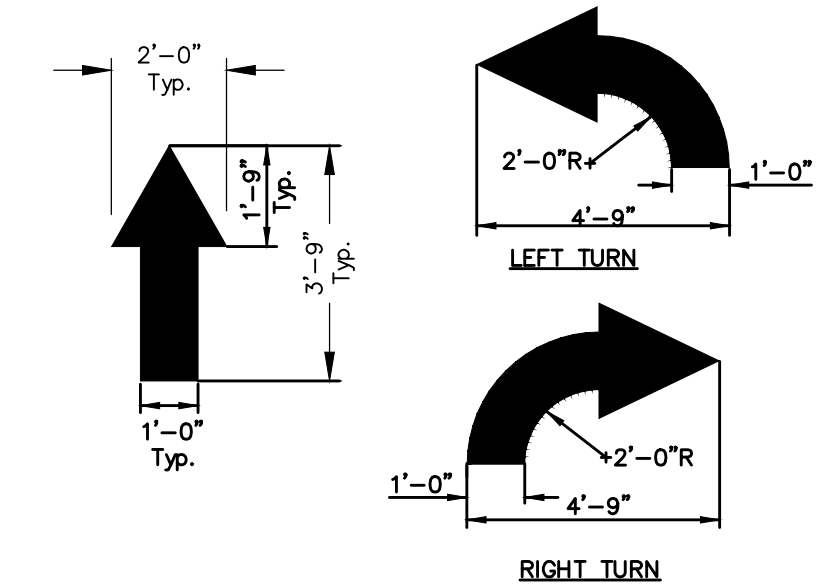
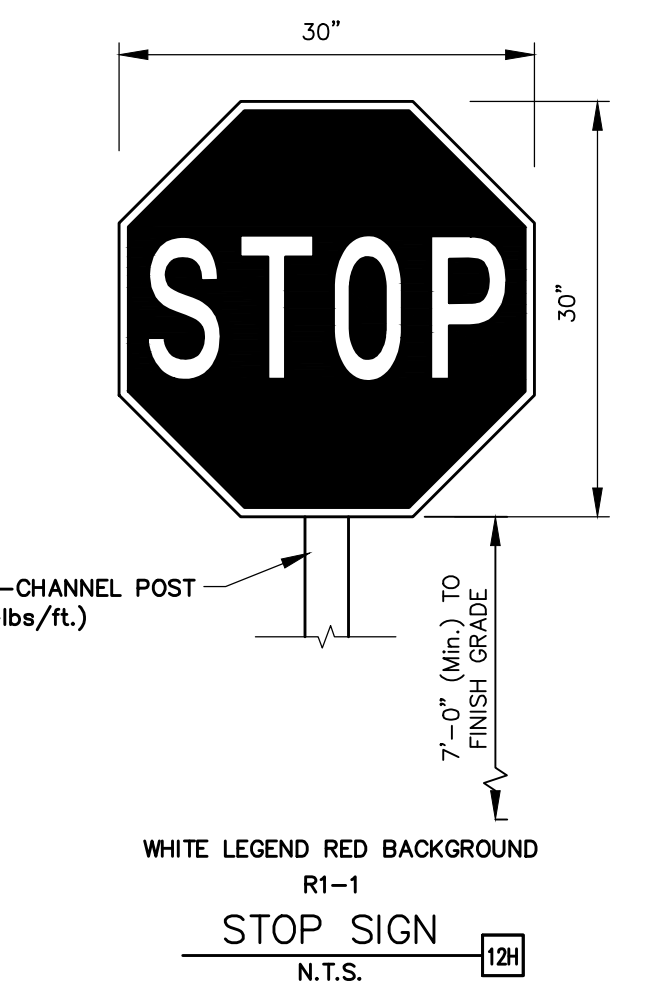
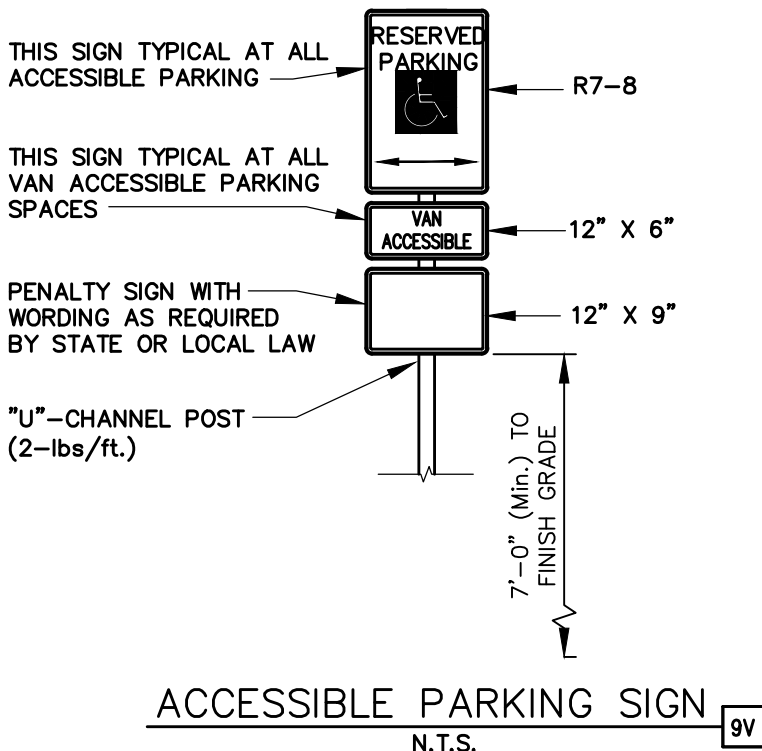
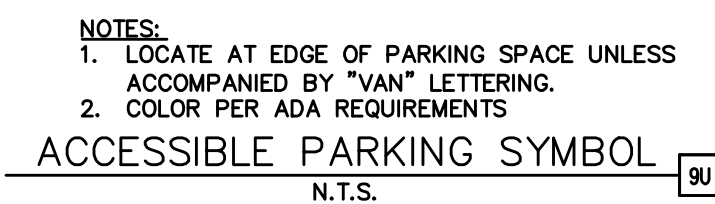
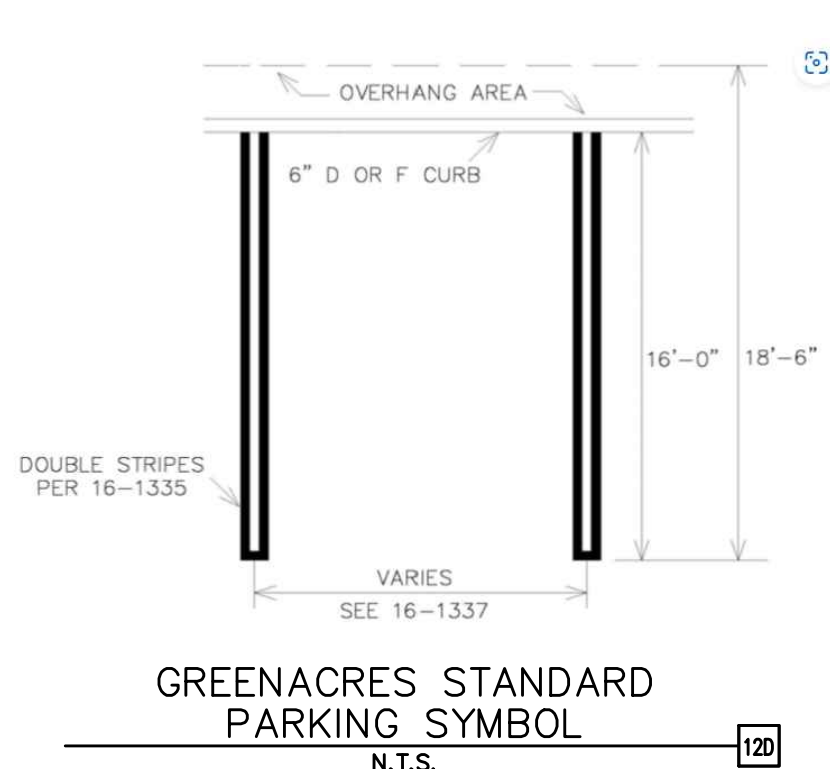
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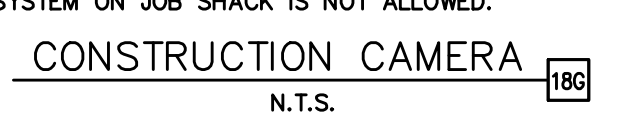
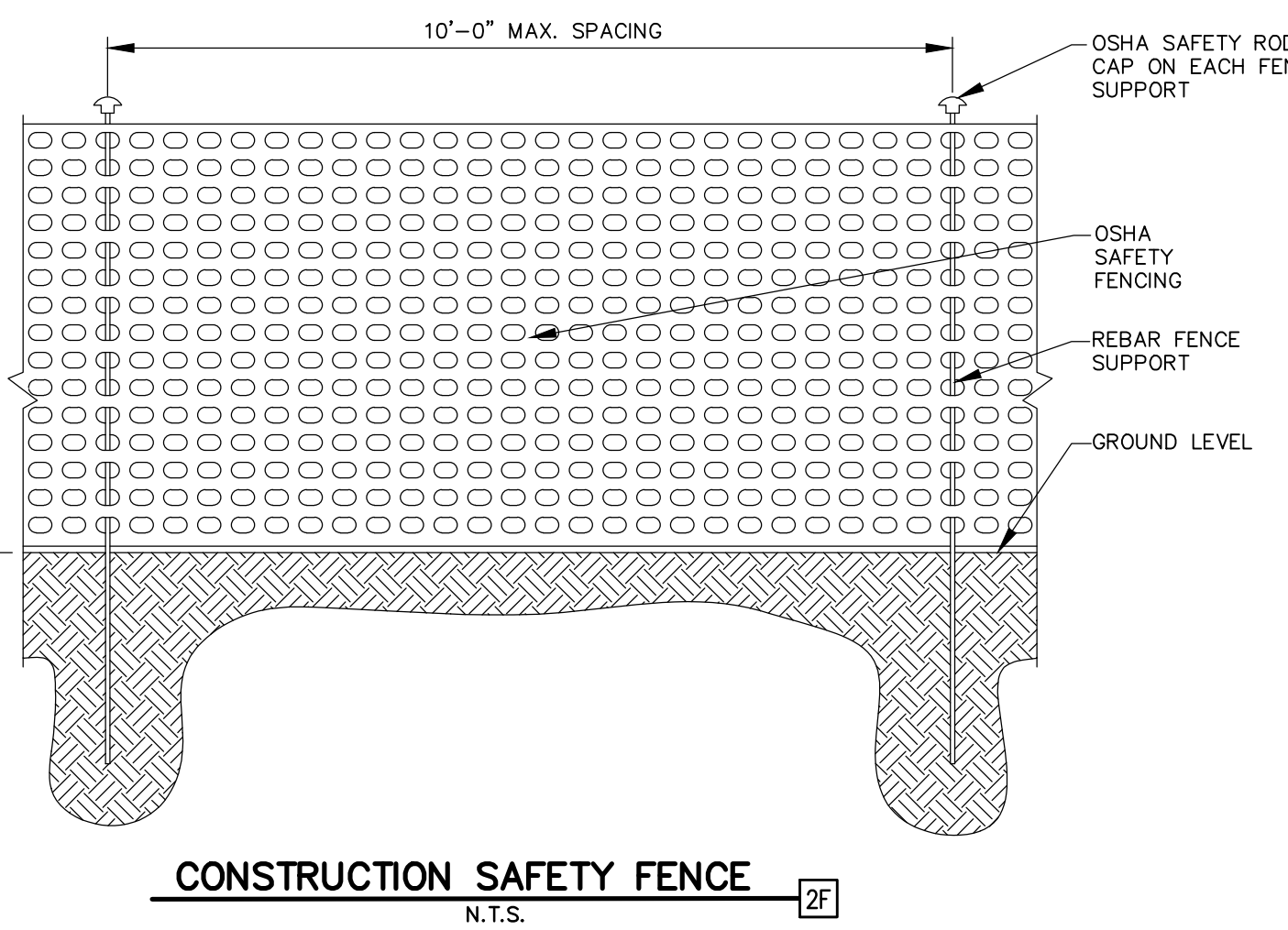
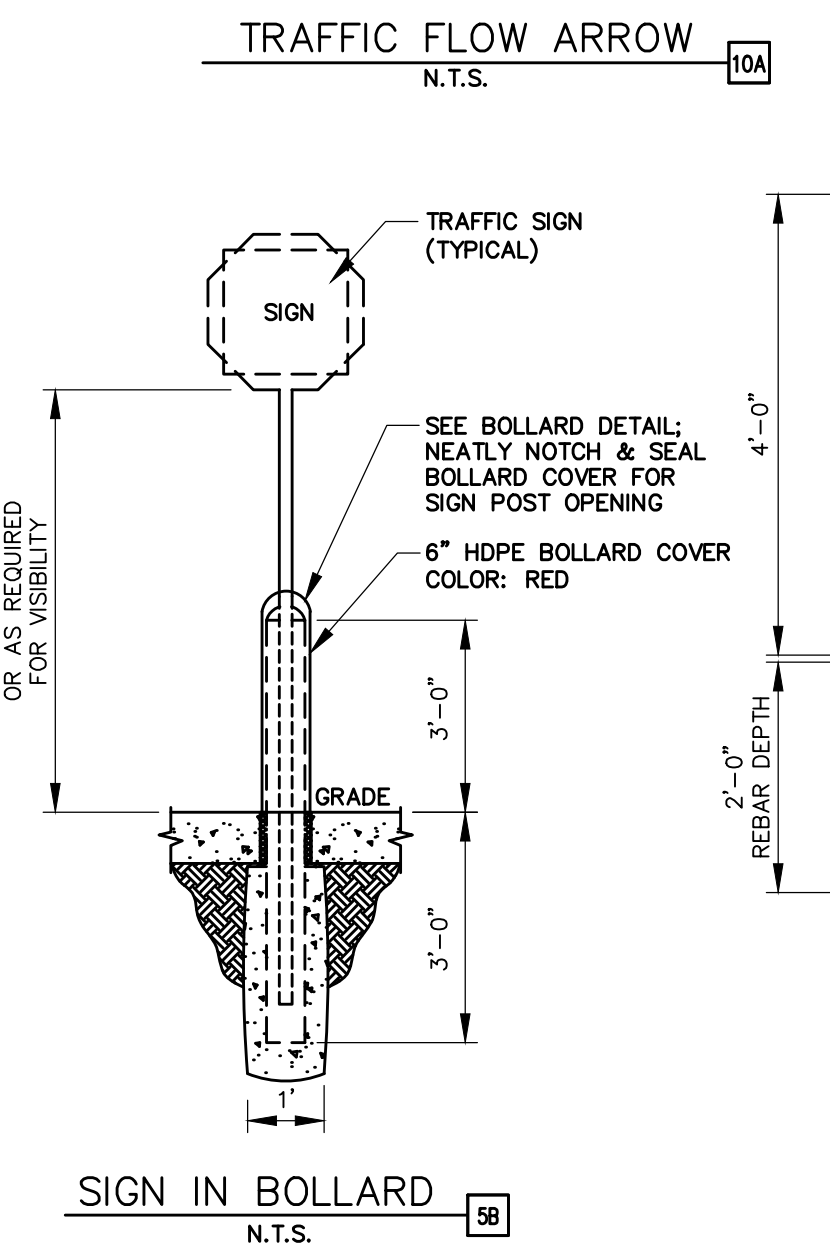
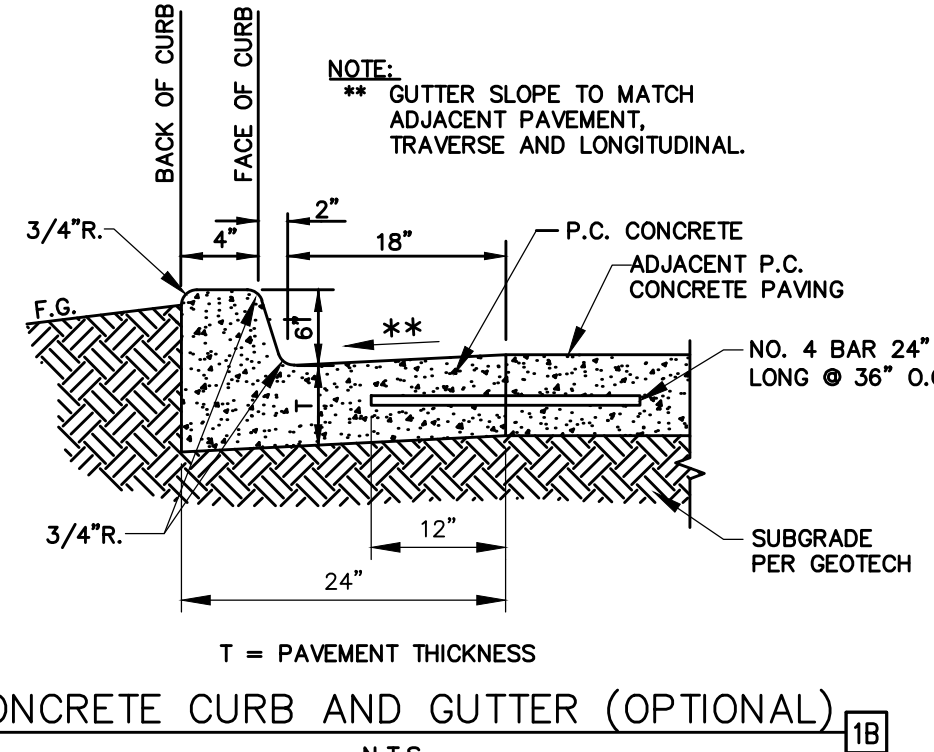
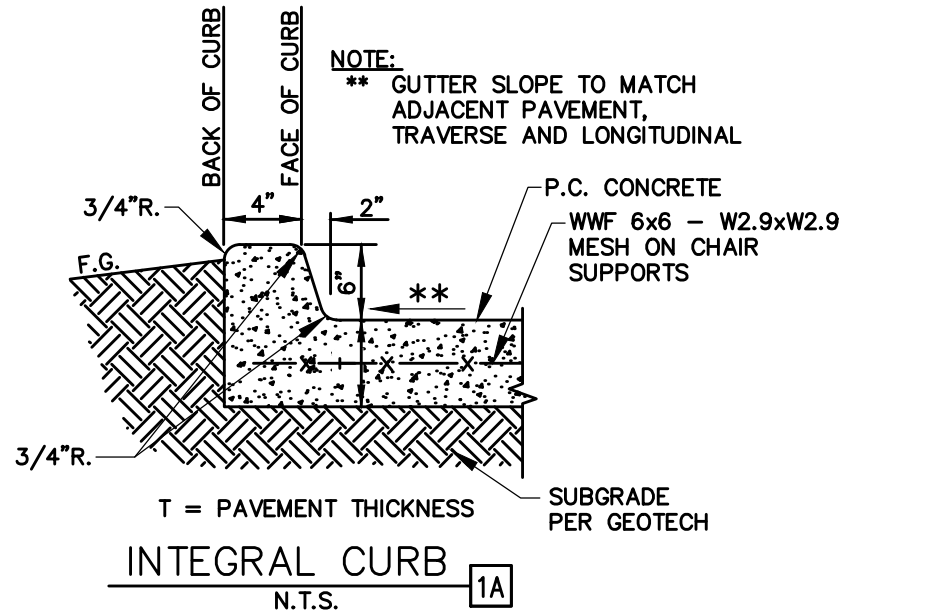
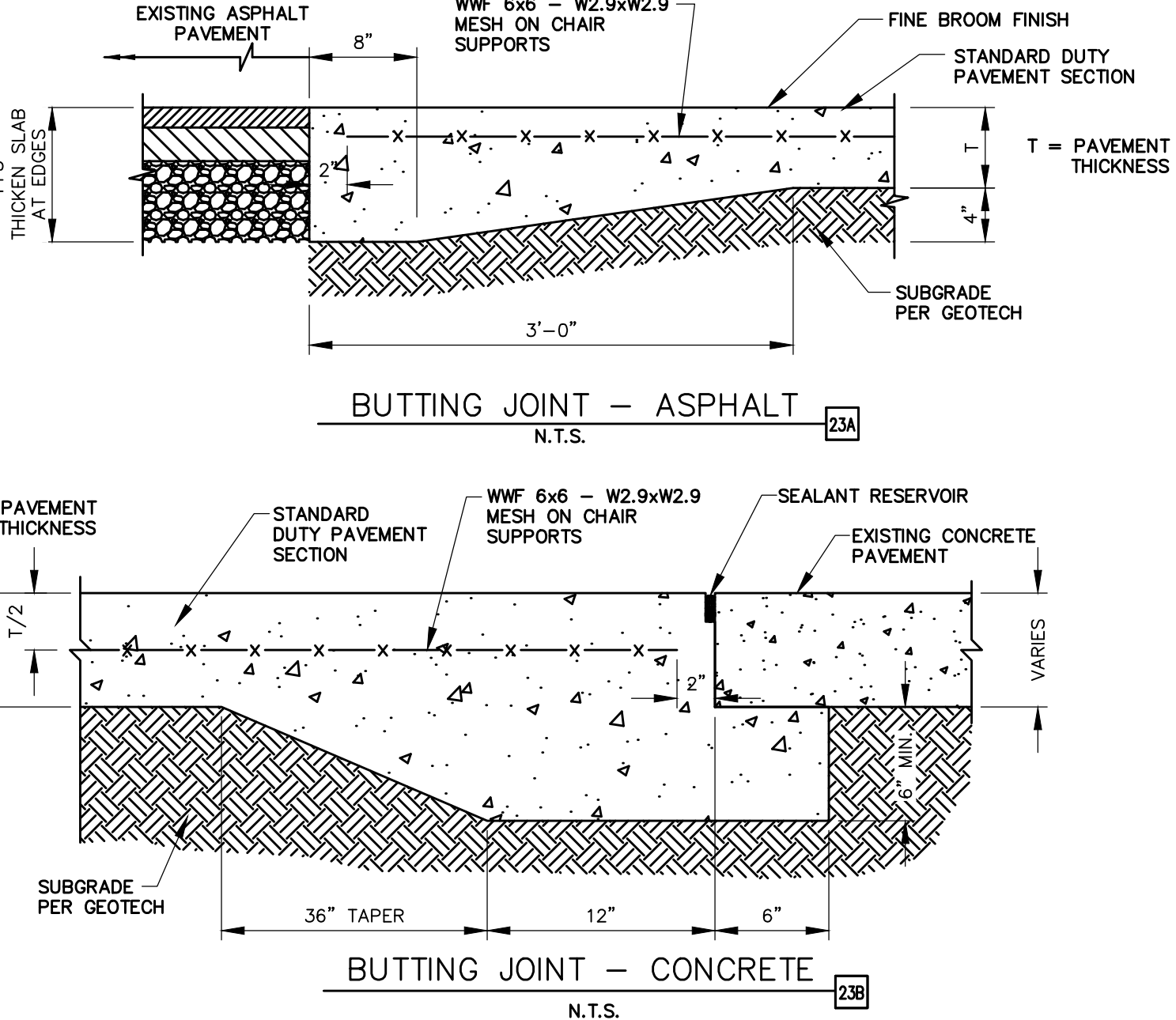
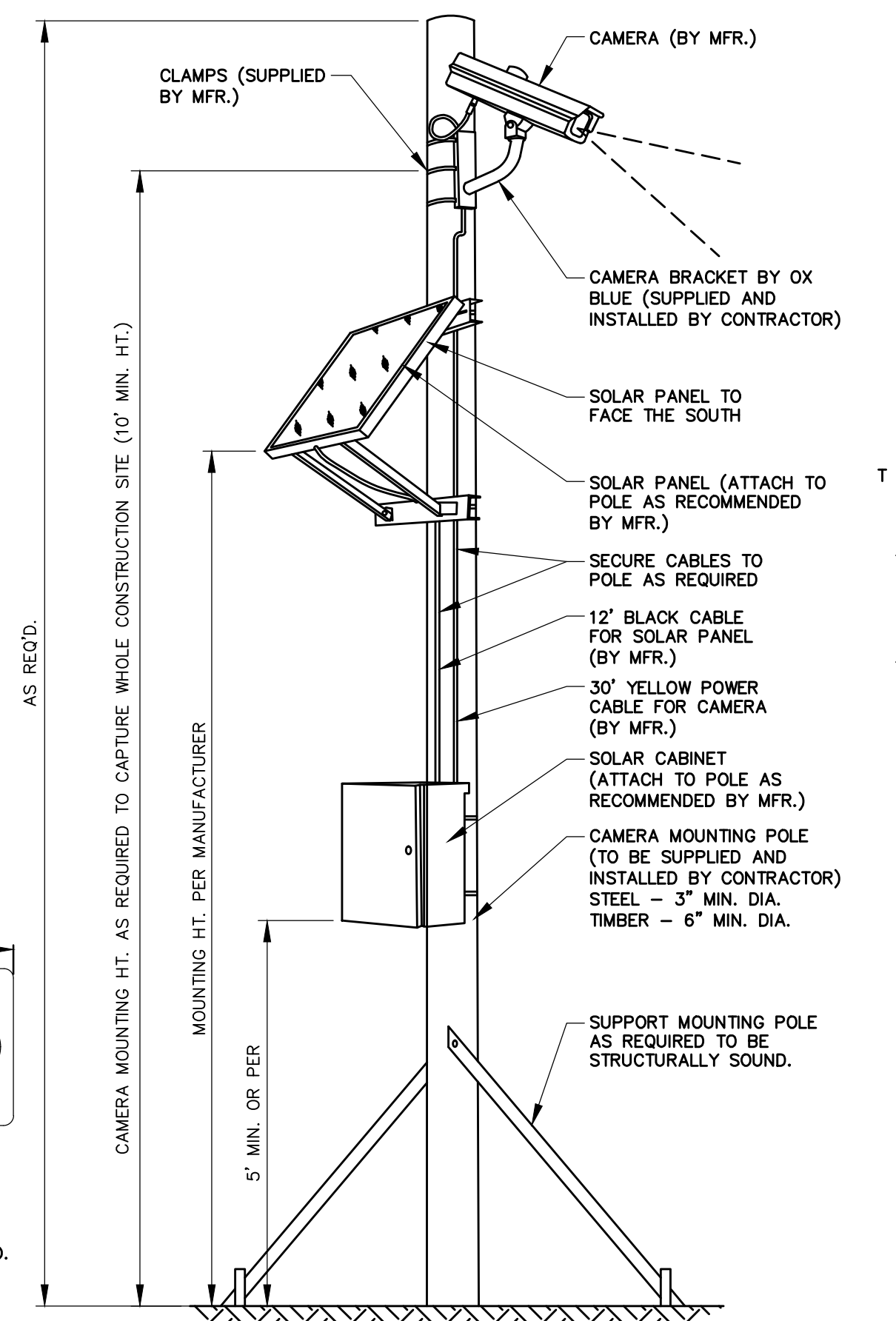
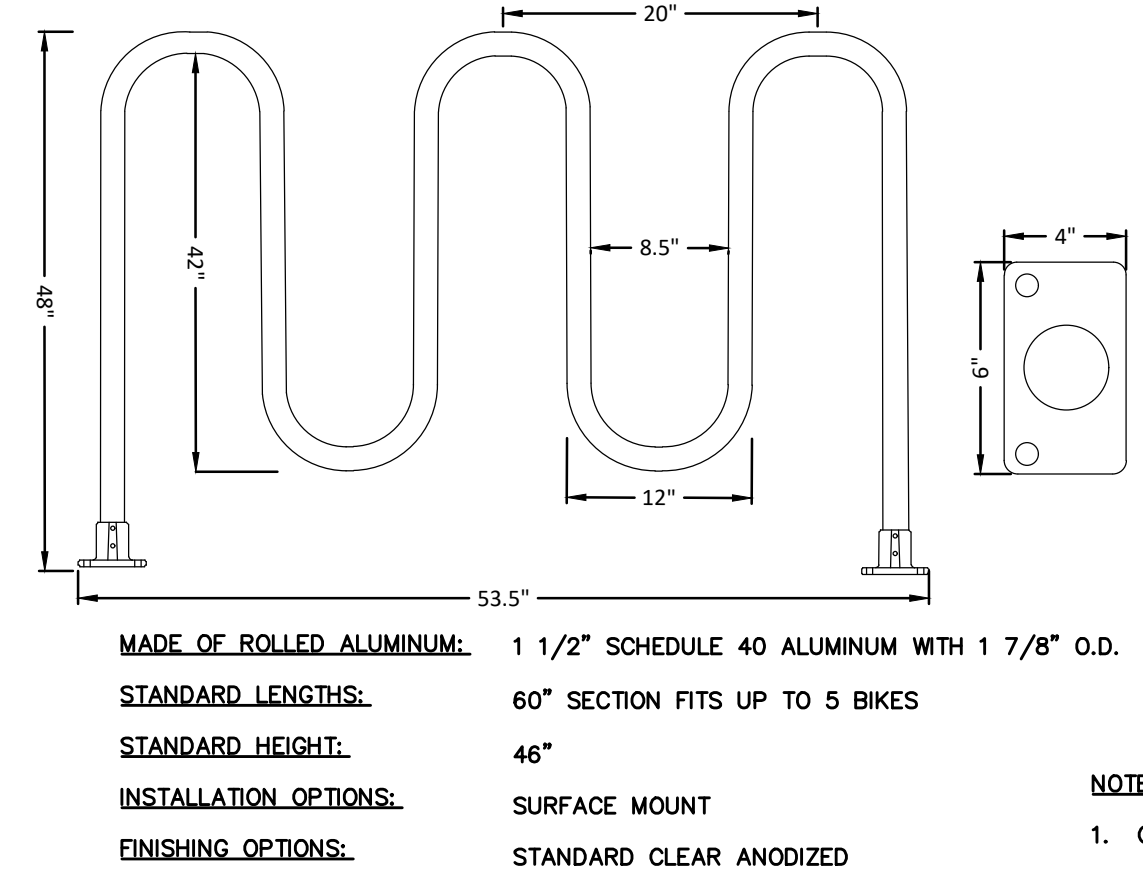
Plans Prepared By:  
CPH, LLC.  
1992 SW 1st Street  
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Ph: 305.274.4805  
Licenses:  
Eng. C.O.A. No. 3215  
Survey L.B. No. 7143  
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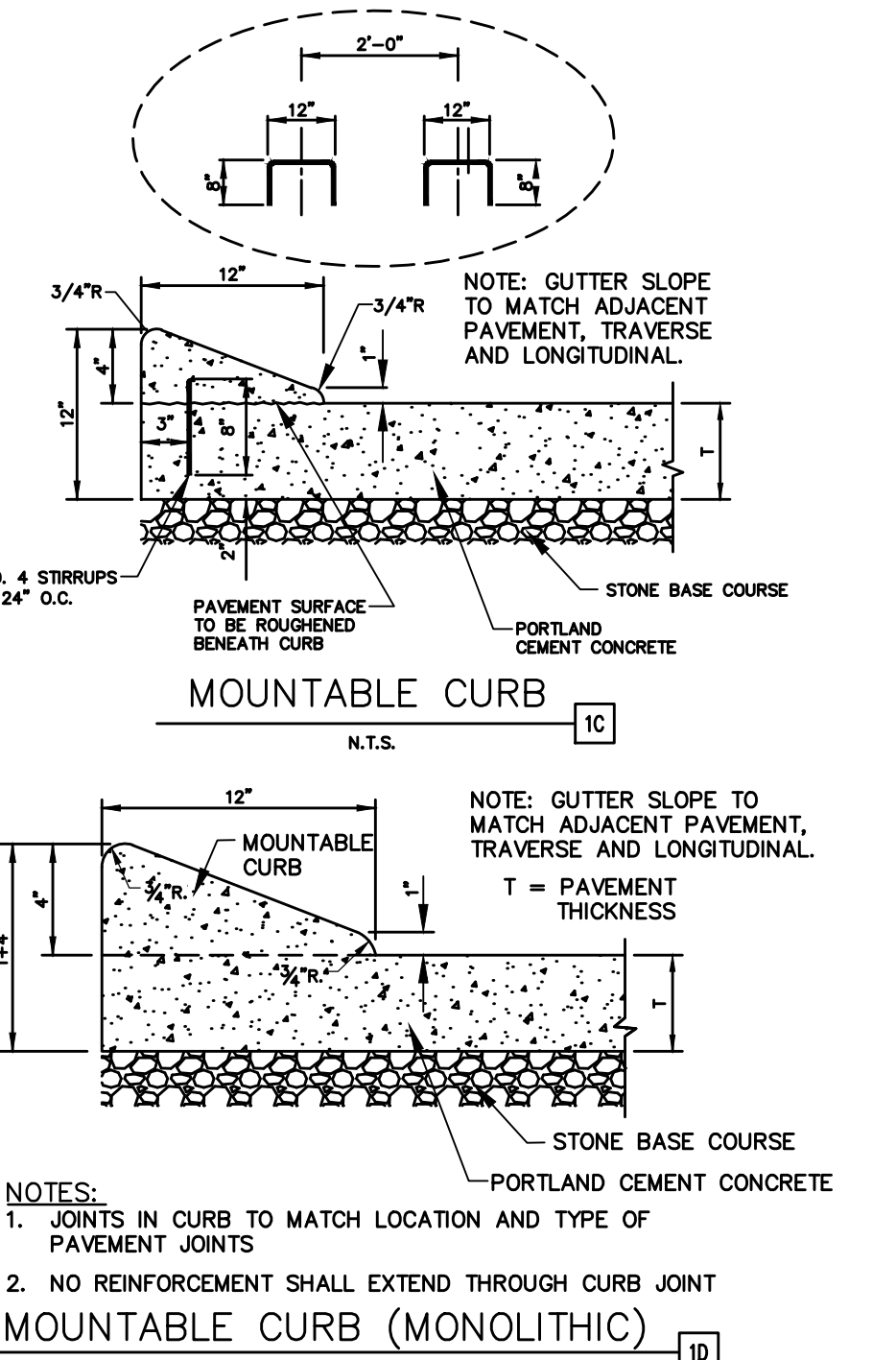
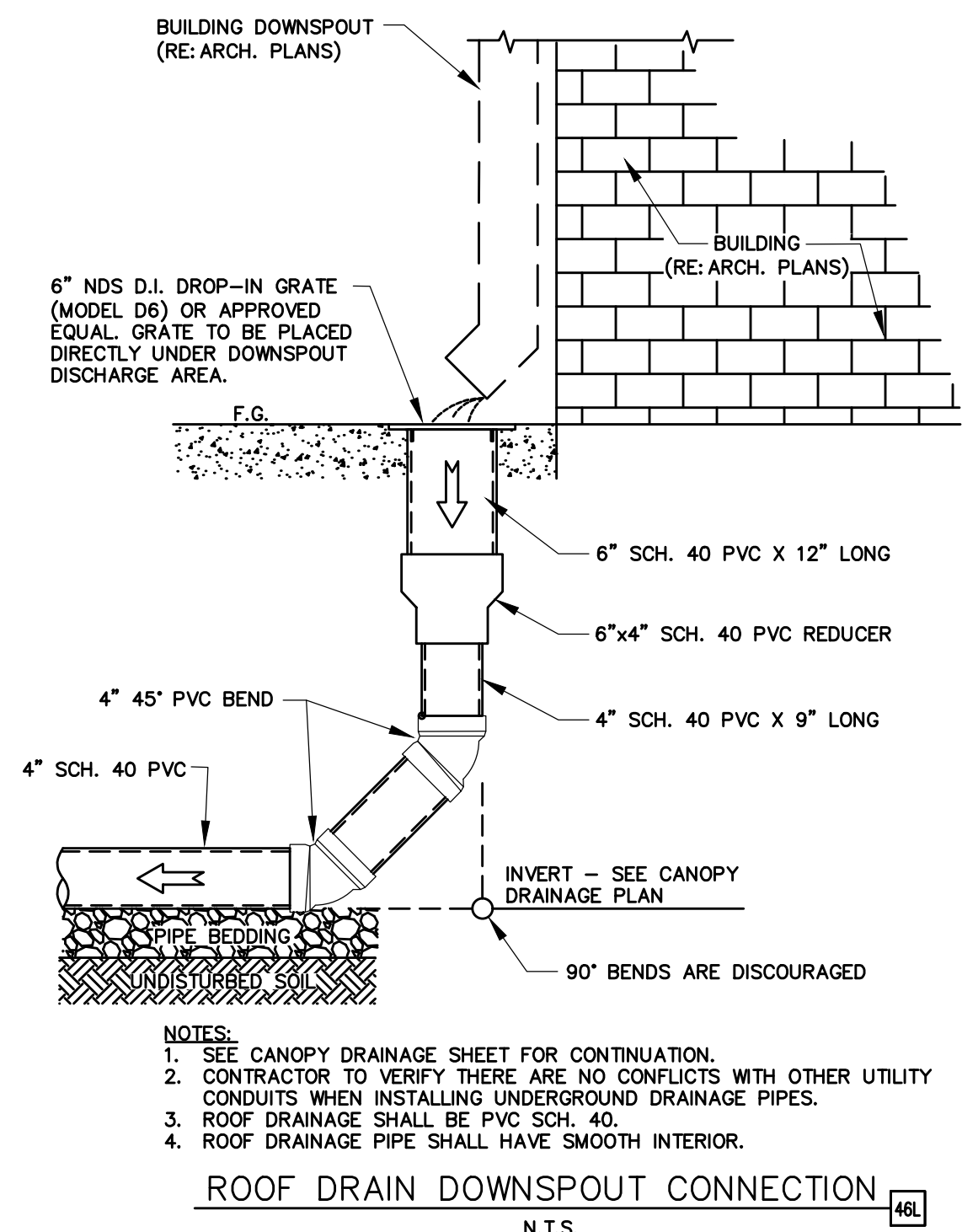
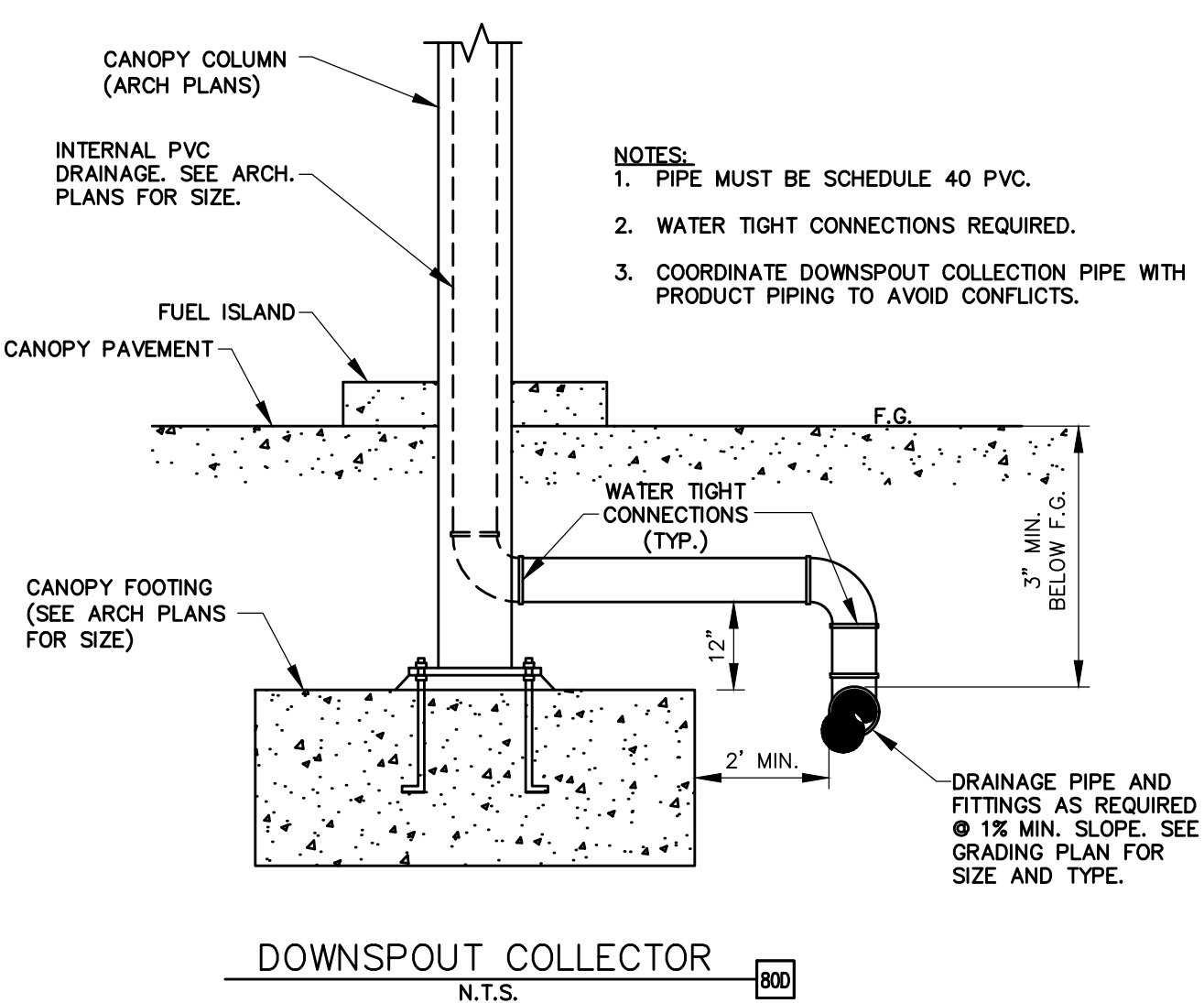
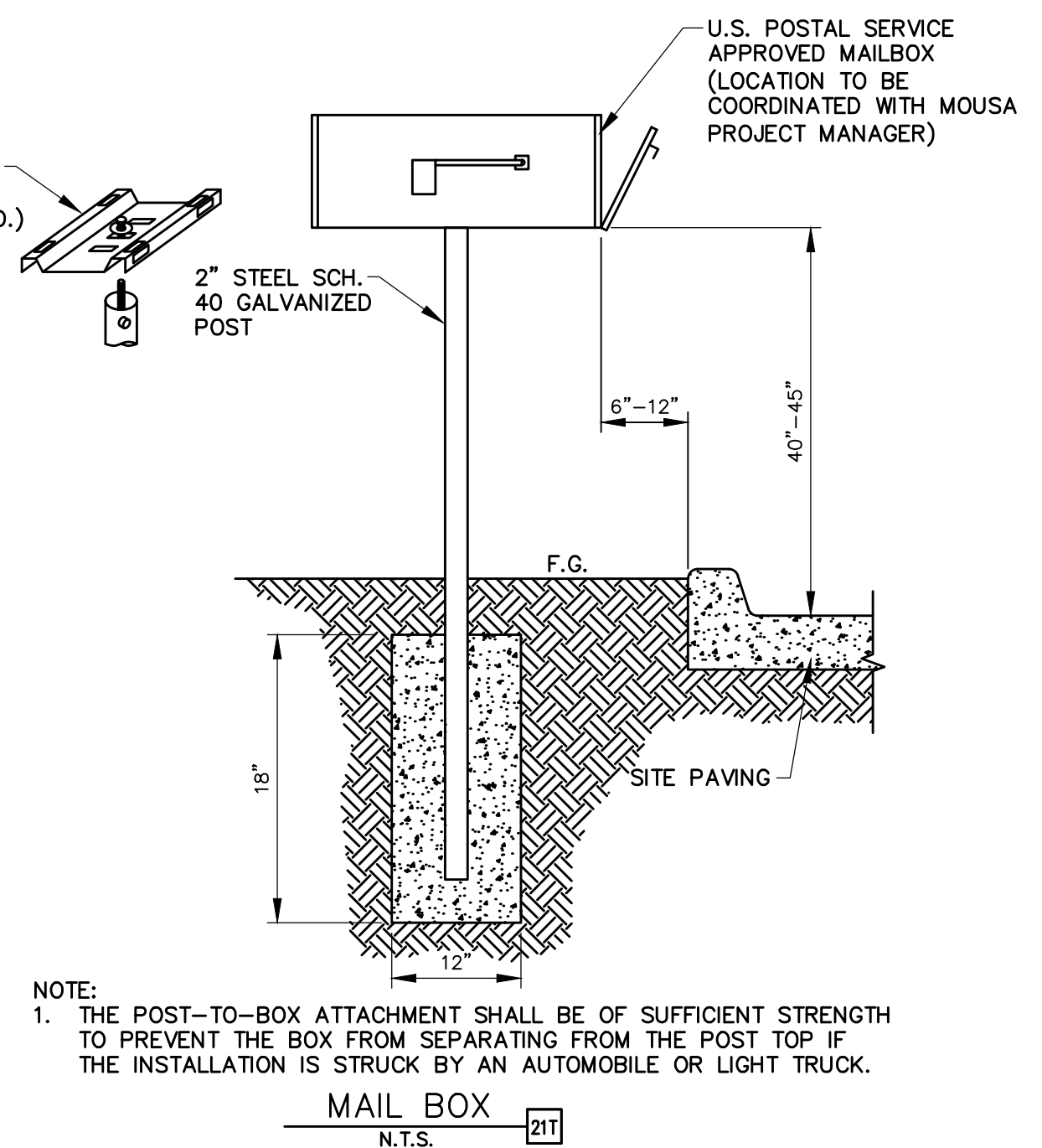
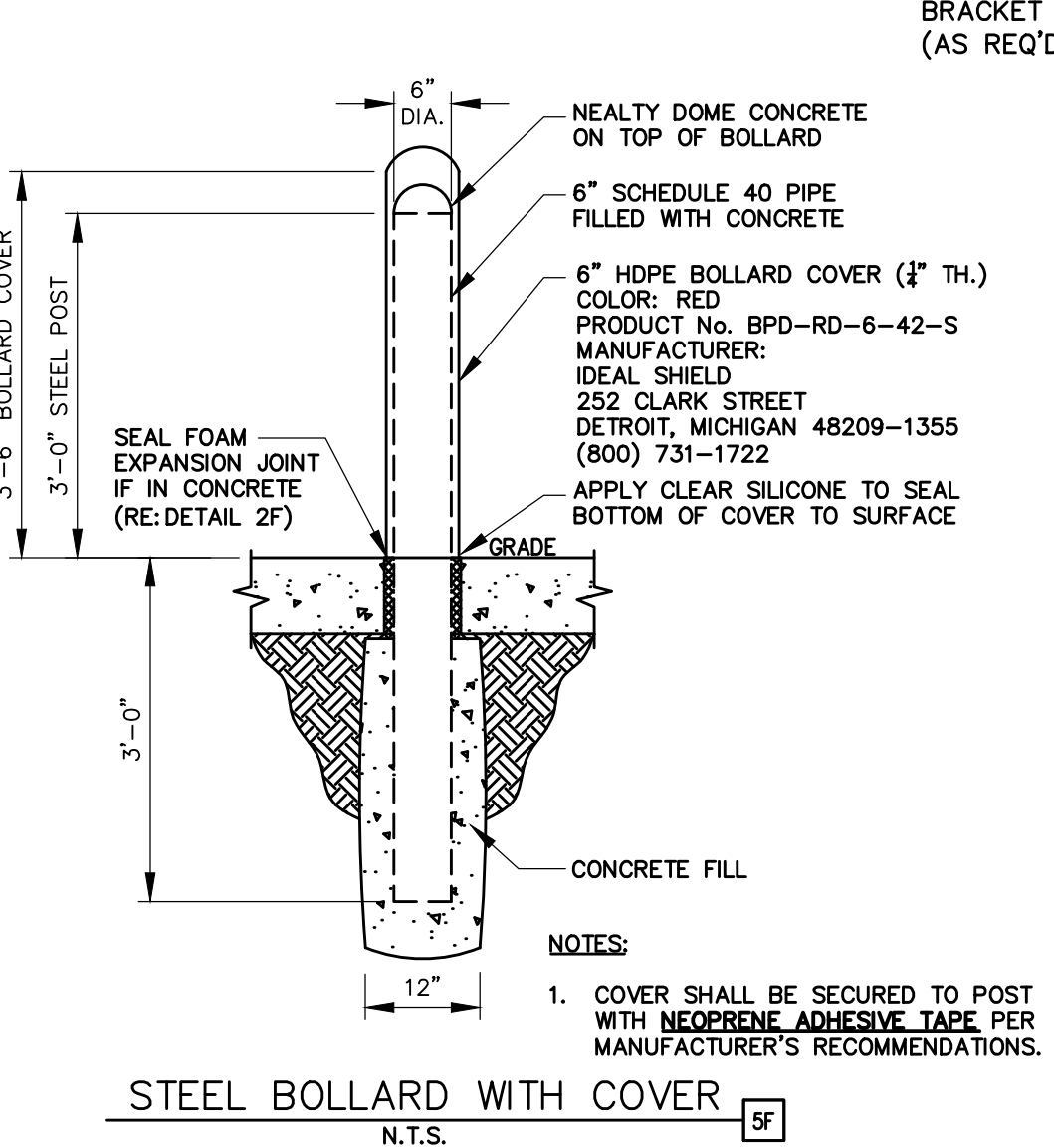




- MINIMUM REQUIREMENTS:**
- USE TRAINED AND EXPERIENCED PERSONNEL IN APPLYING THE PRODUCTS AND OPERATING THE EQUIPMENT REQUIRED FOR PROPERLY PERFORMED WORK.
  - PAINT SHALL BE WATERBORNE OR SOLVENT BORNE, COLOR SHALL BE REFLECTIVE YELLOW UNLESS OTHERWISE SPECIFIED. PAVEMENT MARKING PAINTS SHALL COMPLY WITH APPLICABLE STATE AND LOCAL LAWS ENACTED TO ENSURE COMPLIANCE WITH FEDERAL CLEAN AIR STANDARDS. PAINT MATERIALS SHALL CONFORM TO THE RESTRICTIONS OF THE LOCAL AIR POLLUTION CONTROL DISTRICT.
  - WATERBORNE PAINT: PAINTS SHALL CONFORM TO FEDERAL SPECIFICATION TT-P-1952 (LATEST REVISION) AND ALL APPLICABLE ASTM STANDARDS WITHIN THIS SPECIFICATION.
  - SOLVENT BORNE PAINT: PAINT SHALL CONFORM TO FEDERAL SPECIFICATION A-A-2886 OR ASSHTO M248. PAINT SHALL BE NON-BLEEDING, QUICK-DRYING AND ALKYD PETROLEUM BASE PAINT SUITABLE FOR TRAFFIC-BEARING SURFACE AND BE MIXED IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS BEFORE APPLICATION FOR COLOR YELLOW (UNLESS OTHERWISE SPECIFIED).
  - GLASS BEADS: ASSHTO M 247, TYPE 1 OR FS TT-B-1325, TYPE 1, GRADATION A.
  - APPLY TWO COATS OF PAINT, AT MANUFACTURER'S RECOMMENDED RATE, WITHOUT ADDITION OF THINNER, WITH MAXIMUM OF 100 SQUARE FEET PER GALLON OR AS REQUIRED TO PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS AND DRY FILM THICKNESS OF 7 1/2 MILS PER COAT. PAINT SHALL BE APPLIED FOR A TOTAL DRY FILM THICKNESS OF 15 MILS. APPLY WITH MECHANICAL EQUIPMENT TO PRODUCE UNIFORM STRAIGHT EDGES.
  - APPLY GLASS BEADS AT PEDESTRIAN CROSSWALK STRIPING AND AT LANE STRIPING AND ARROWS. BROADCAST GLASS BEADS UNIFORMLY INTO WET MARKINGS AT A RATE OF 6 LB/GAL.



- NOTES:**
- CAMERA AND SOLAR POWER STATION BY OX BLUE CORPORATION.
  - CAMERA TO BE INSTALLED AND ACTIVATED PER MFR. REQUIREMENTS BY GC PRIOR TO CONSTRUCTION.
  - MOUNTING POLE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
  - LAG BOLTS/CLAMPS USED TO ATTACH CAMERA, SOLAR PANEL AND CABINET TO POLE ARE TO BE SUPPLIED AND INSTALLED BY CONTRACTOR.
  - CONSTRUCTION CAMERA SHALL BE COORDINATED WITH MURPHY CONSTRUCTION MANAGER AND PLACED ON MURPHY PROPERTY WHERE THE ENTIRE WORK SITE CAN BE VIEWED WITH CAMERA.
  - MOUNTING POLE TO BE STRUCTURALLY SOUND & WITHSTAND 300 LBS OF FORCE AT 5' ABOVE GROUND.
  - FOR ANY MOUNTING OF CAMERA ON OFF-SITE STRUCTURE, CONTRACTOR MUST SECURE PERMITS AND/OR PERMISSION FROM RESPECTIVE OWNER AND PROVIDE TO MURPHY.
  - MOUNTING CAMERA SYSTEM ON JOB SHACK IS NOT ALLOWED.



**SHEET NO**

**SP-9**

**DATE**

**January 08, 2025**

**TODD H. HENDRIX, P.E.**

**FL. P.E. No. 66794**

**DETAILS**

**MURPHY # 23039**

**6270 FOREST HILL BLVD**

**GREENACRES, FLORIDA, 33415**

**REV-0**

**DATE**

**01/24/2024**

**TH**

**PRN**

**PM**

**DES**

**DRW**

**CONCEPT**

**1.0**

**JCH**

**JOB NO. M3899**

**CONCEPT**

**MURPHY OIL USA, INC.**

**200 PEACH STREET**

**EL DORADO, AR 71731-7000**

**MURPHY**

**USA**

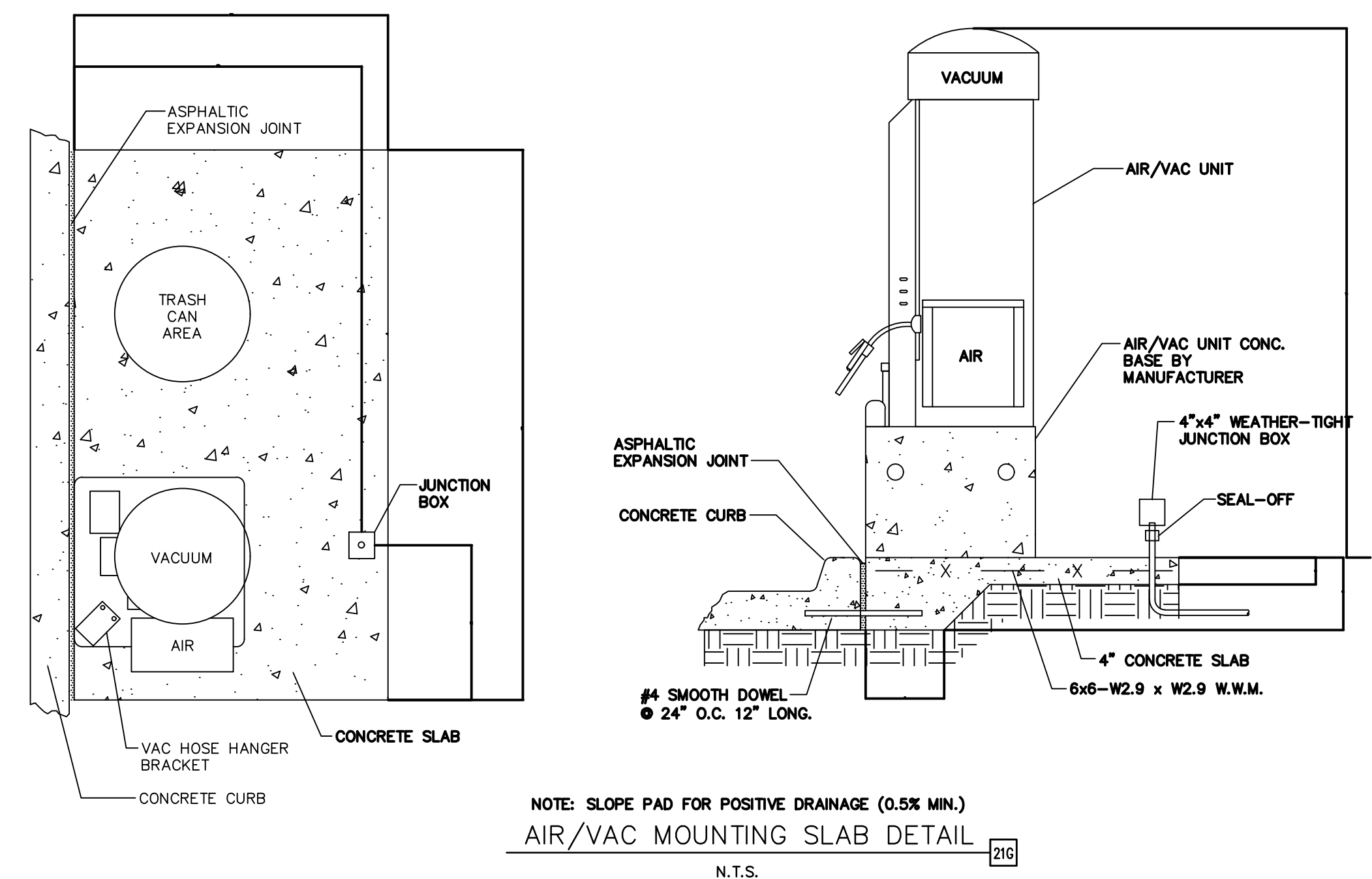
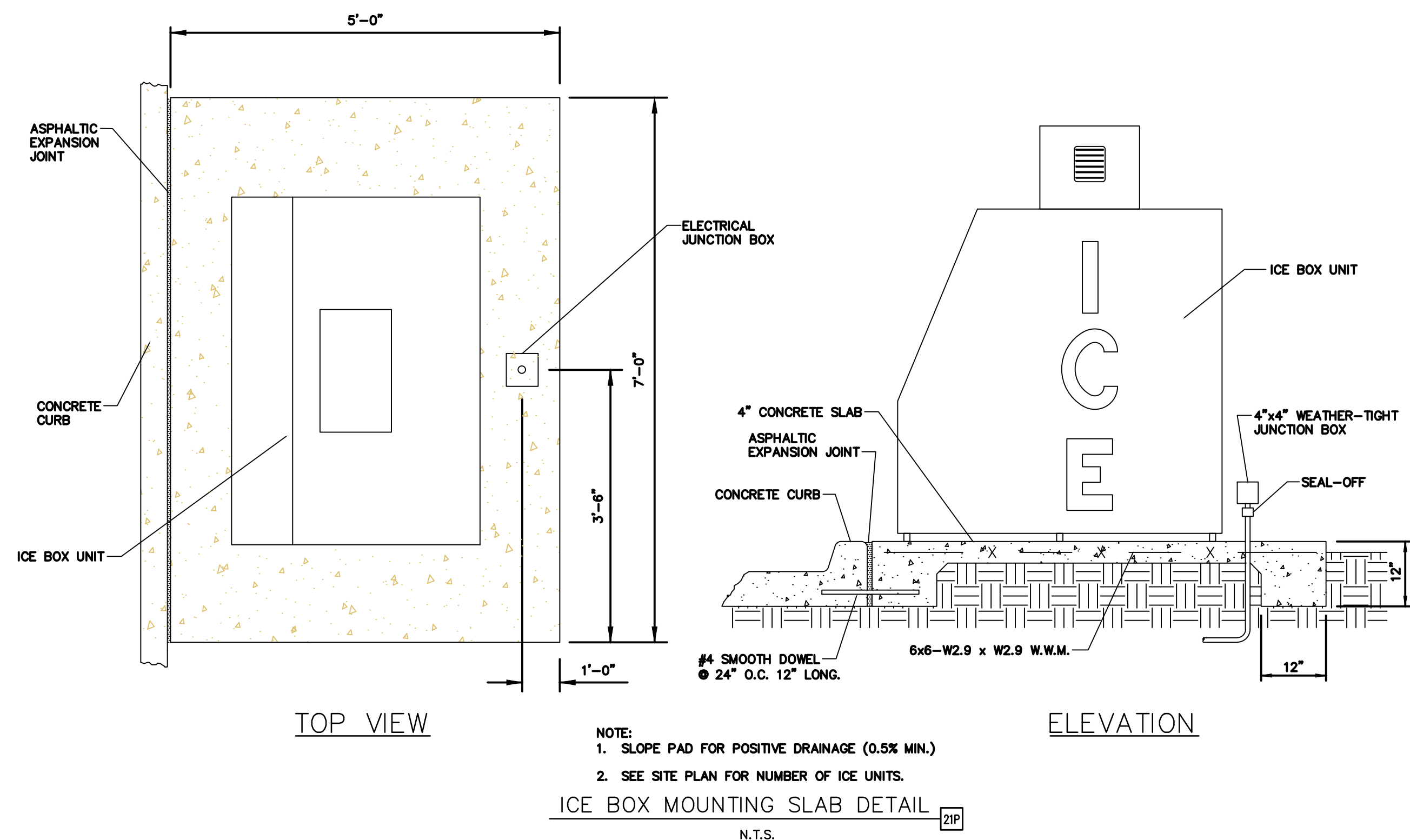
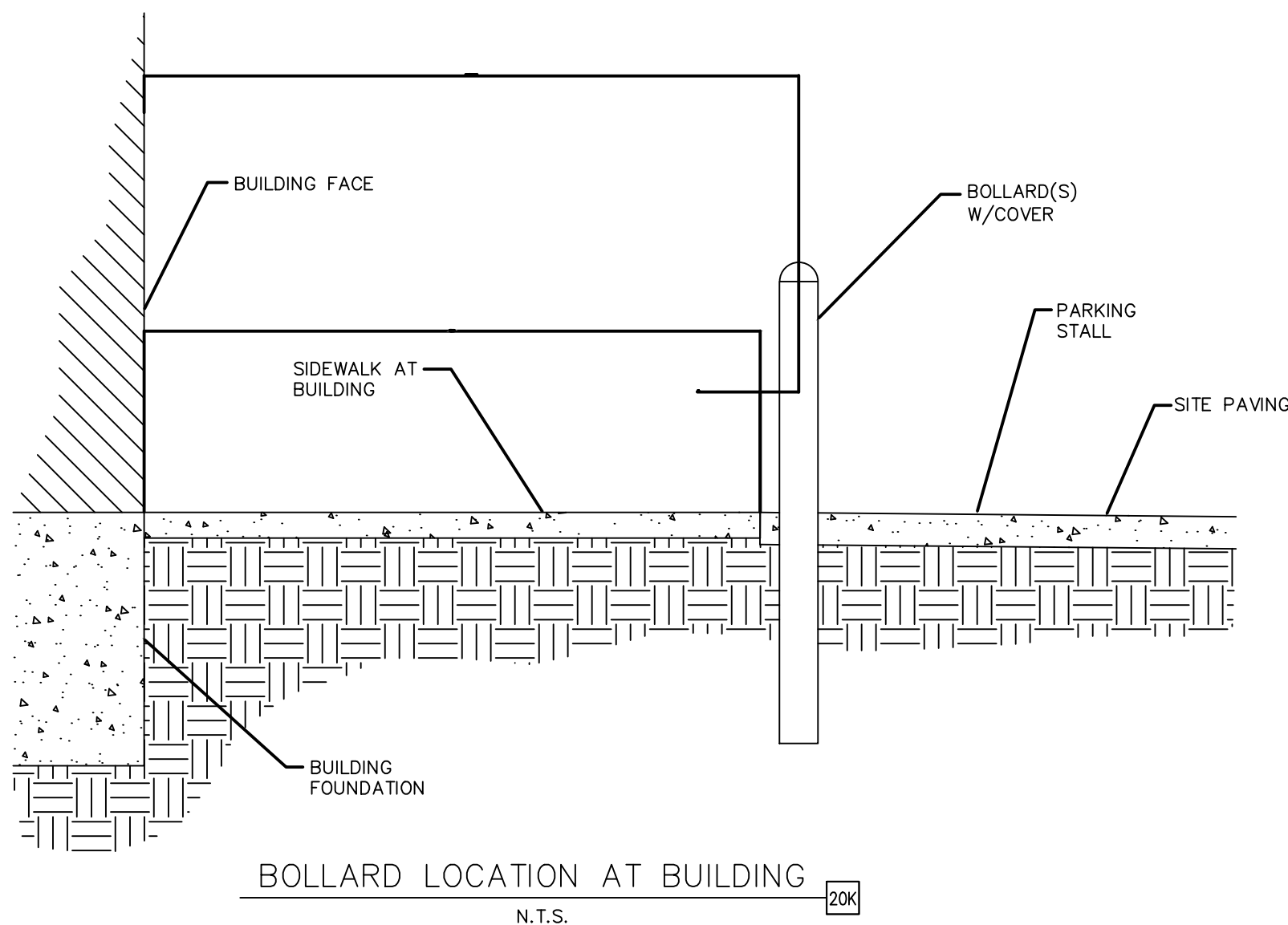
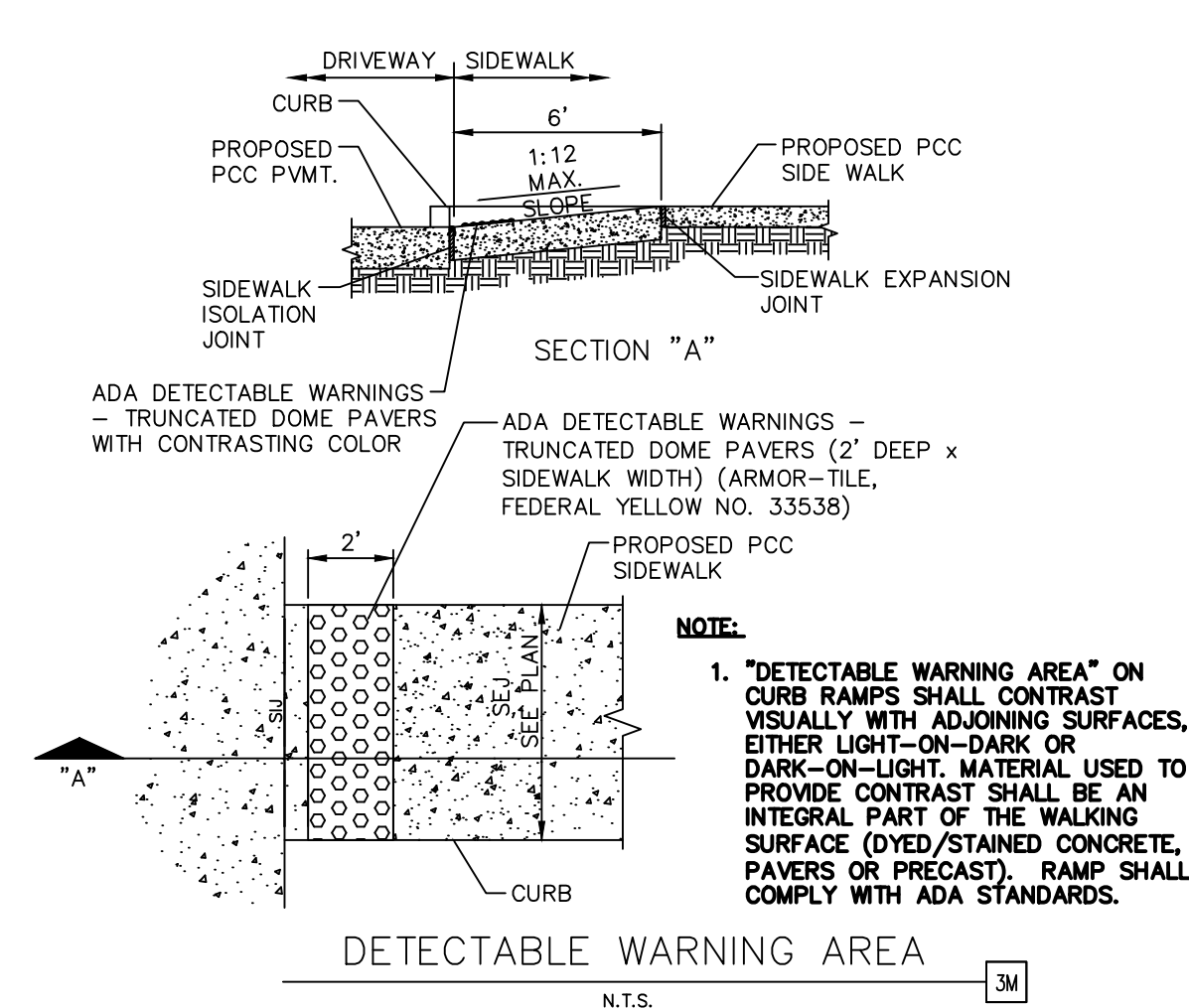
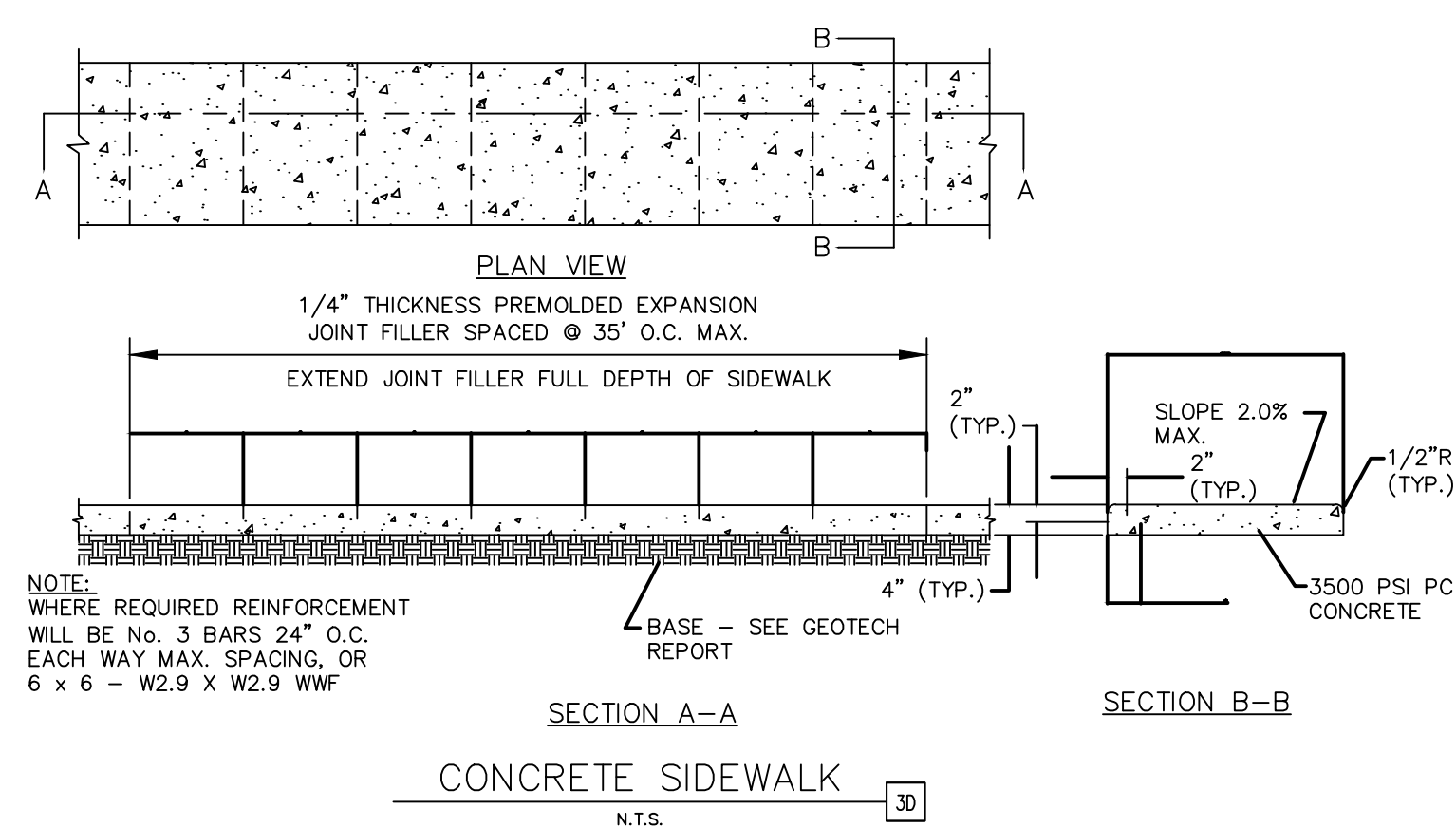
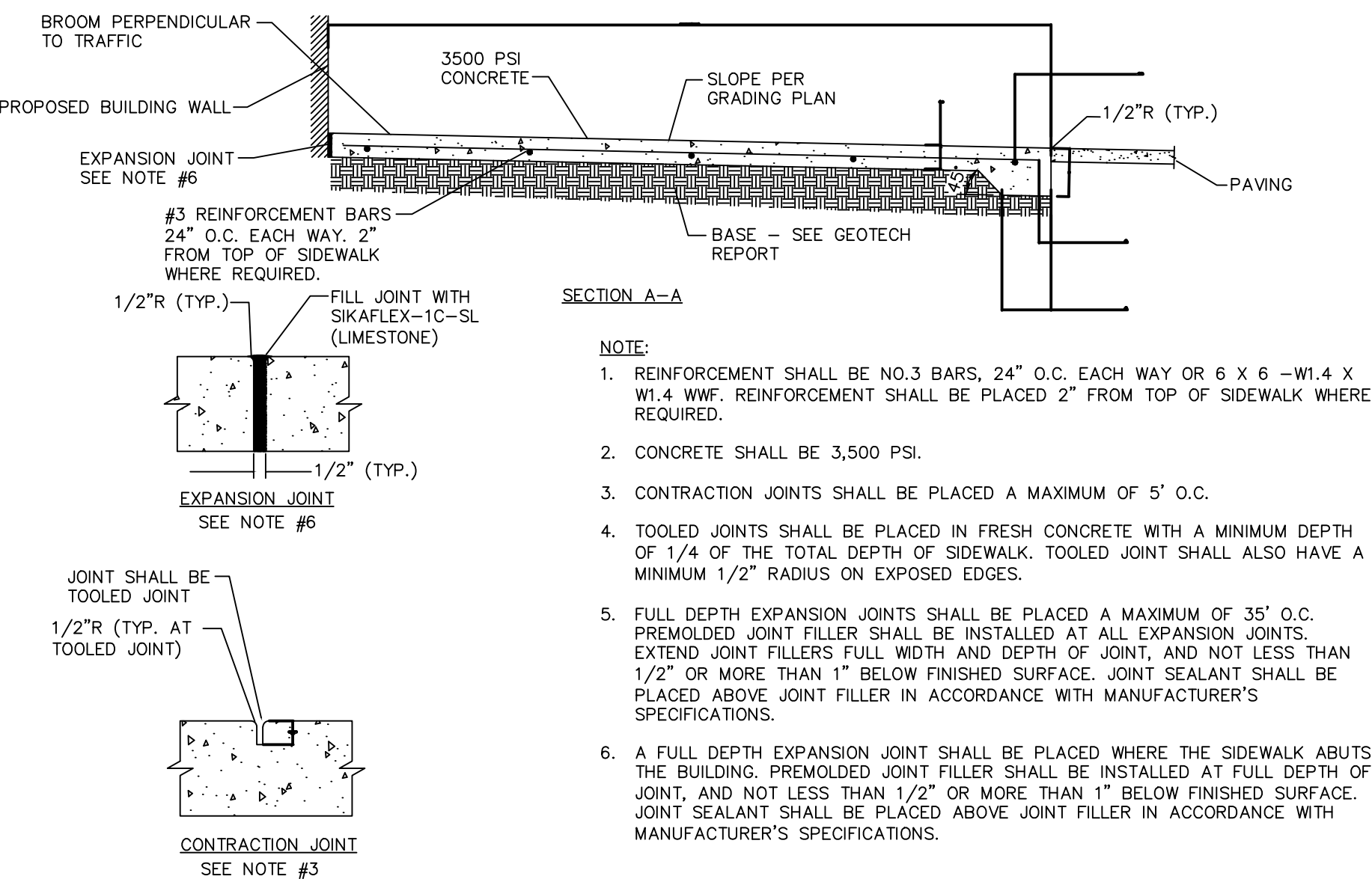
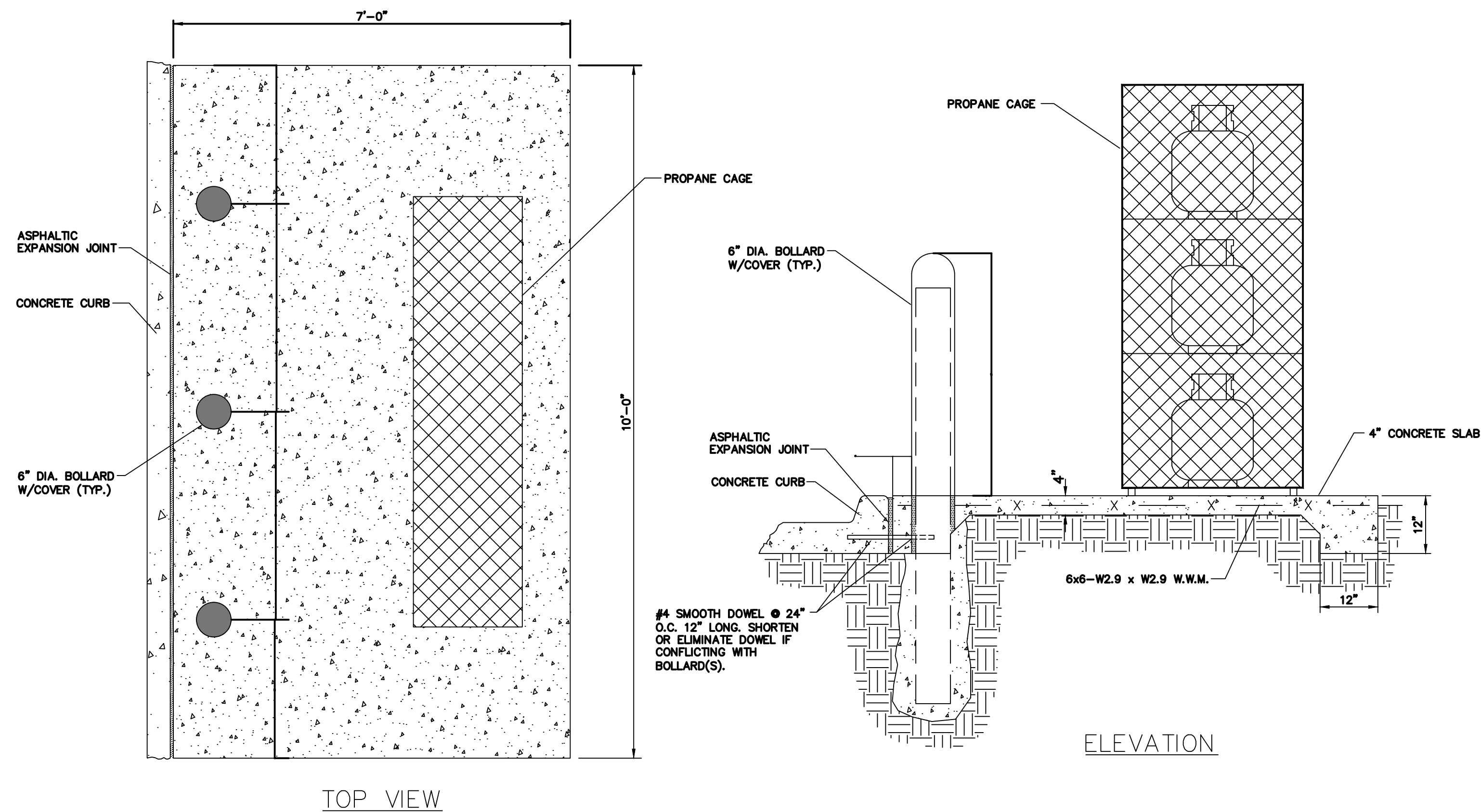
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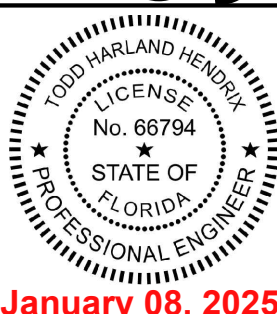




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SHEET NO.  
SP-11



TODD H. HENDRIX, P.E.  
FL. P.E. No. 66794

JOB NO. M3899  
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DATE  
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PRN  
AH  
PM  
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DRW  
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DETAILS  
MURPHY # 23039  
6270 FOREST HILL BLVD  
GREENACRES, FLORIDA, 33415



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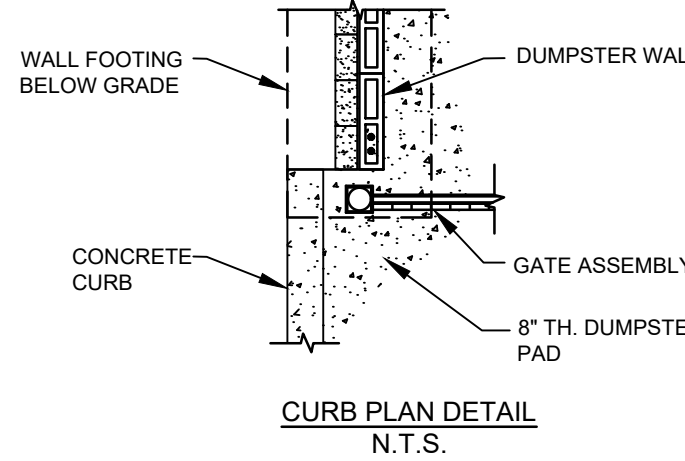
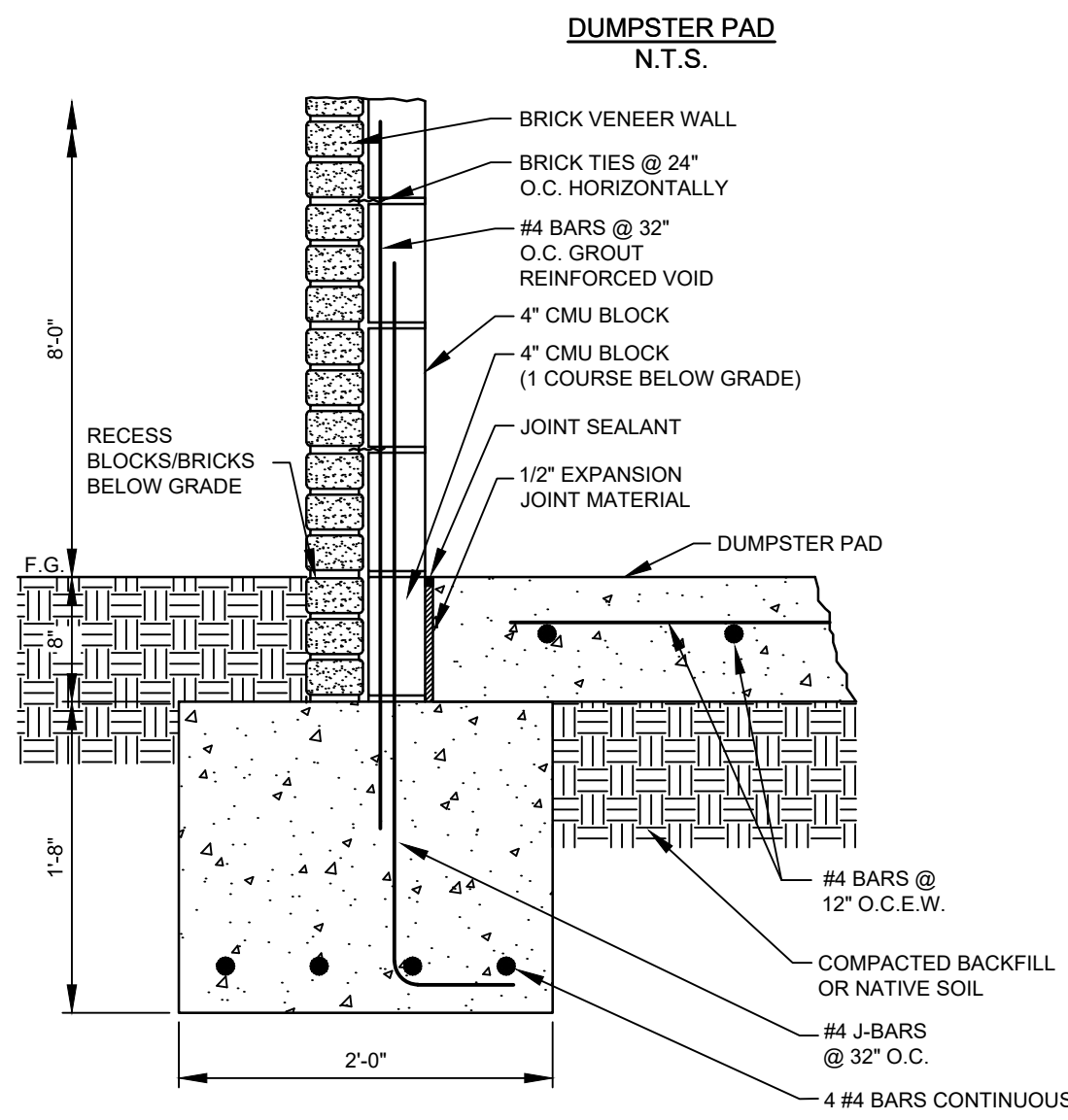
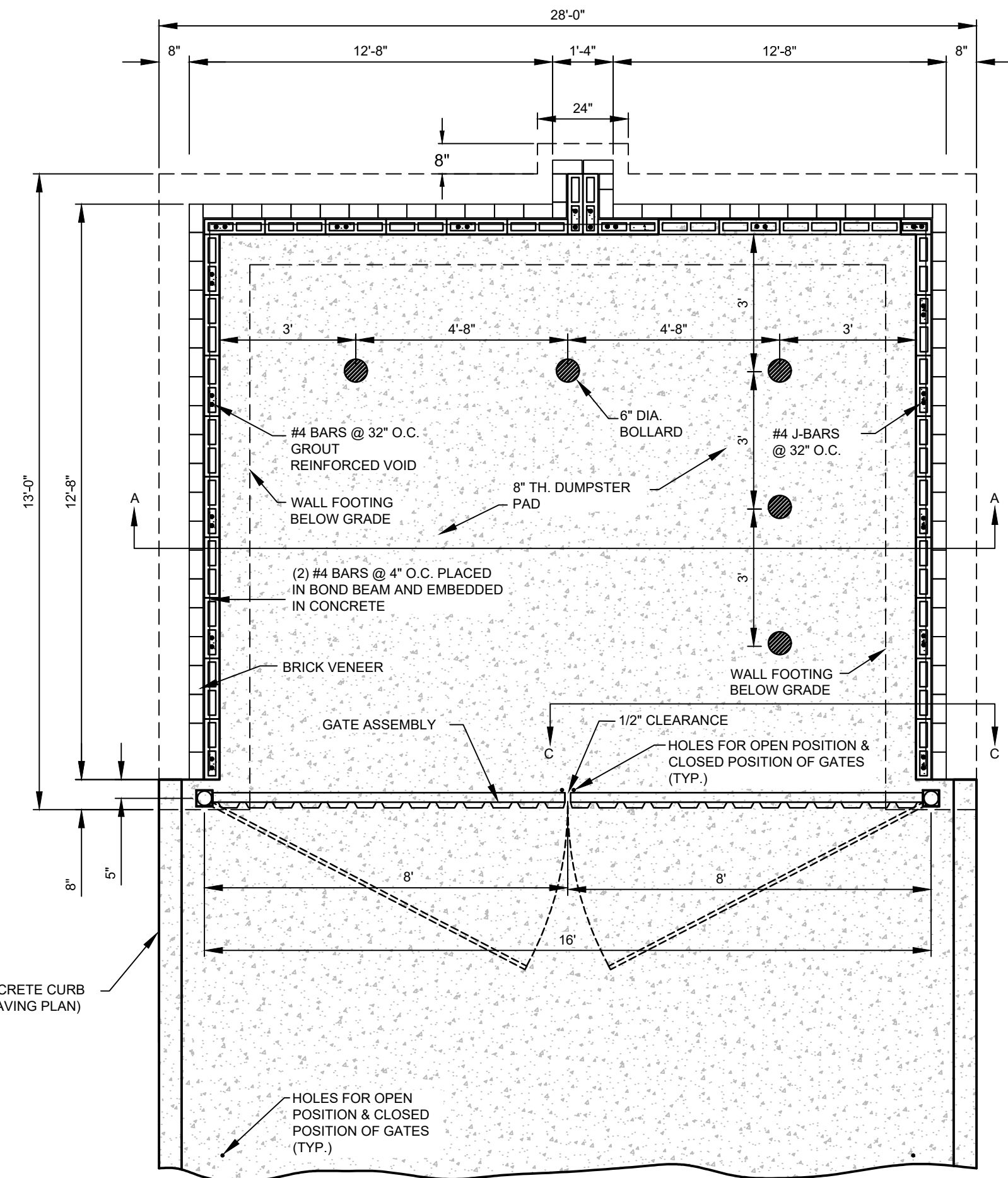
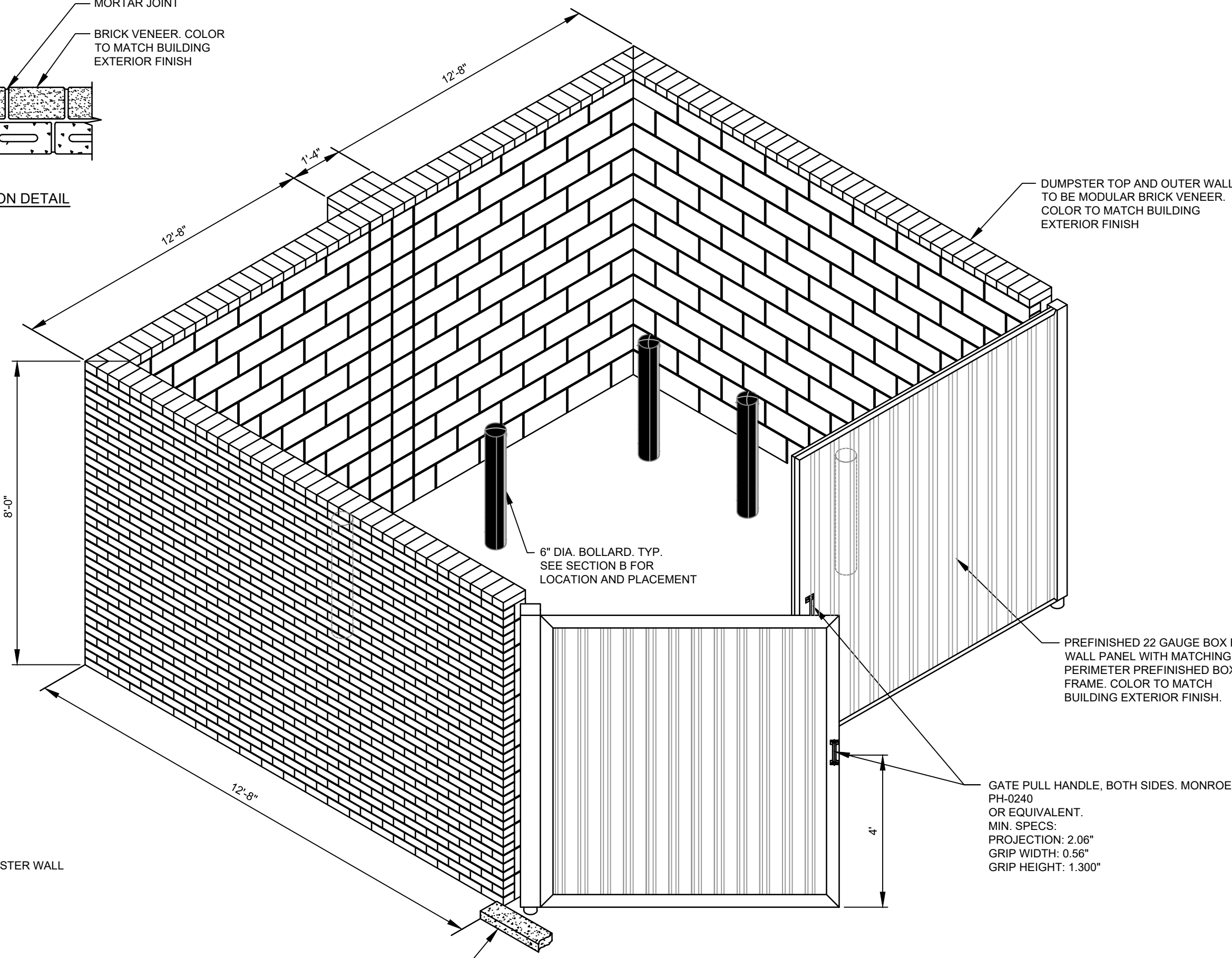
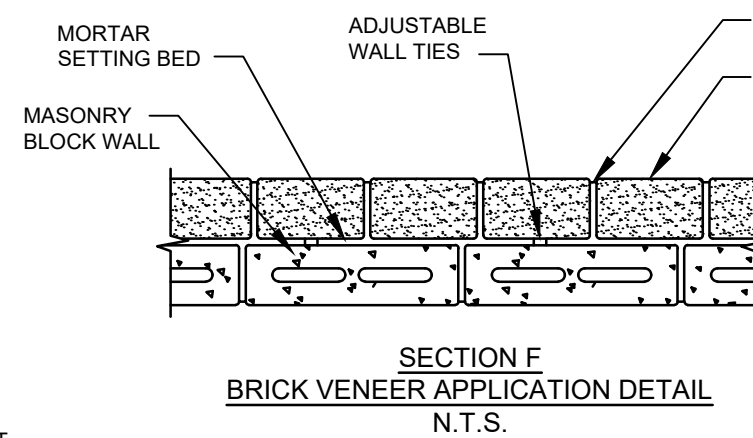
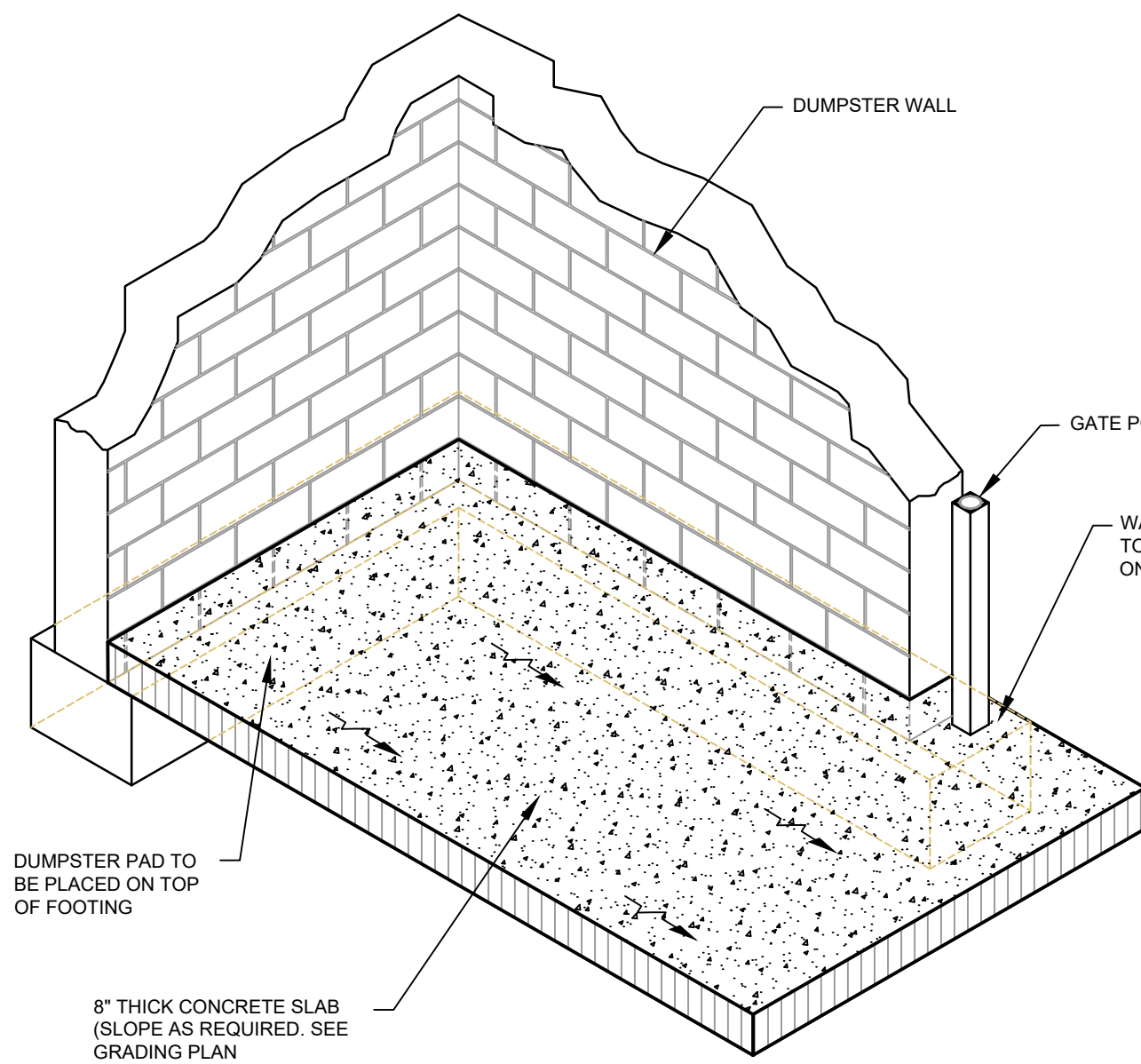
Architects  
Engineers  
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Landscape Architects  
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Planners  
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1992 SW 1st Street  
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Survey L.B. No. 7143  
Arch. Lic. No. A4260928  
Landscape Lic. No. LC0000298

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MURPHY  
USA



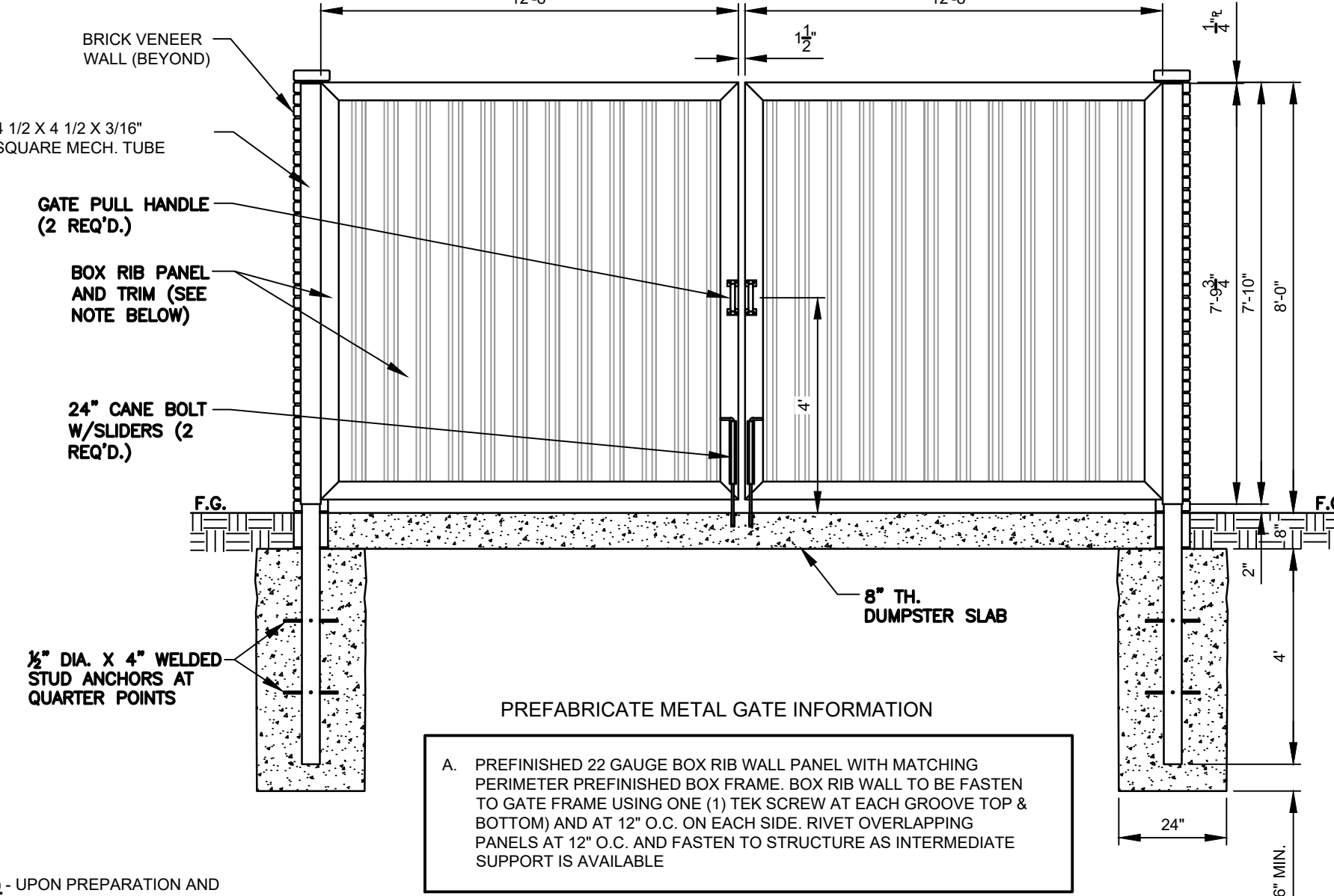
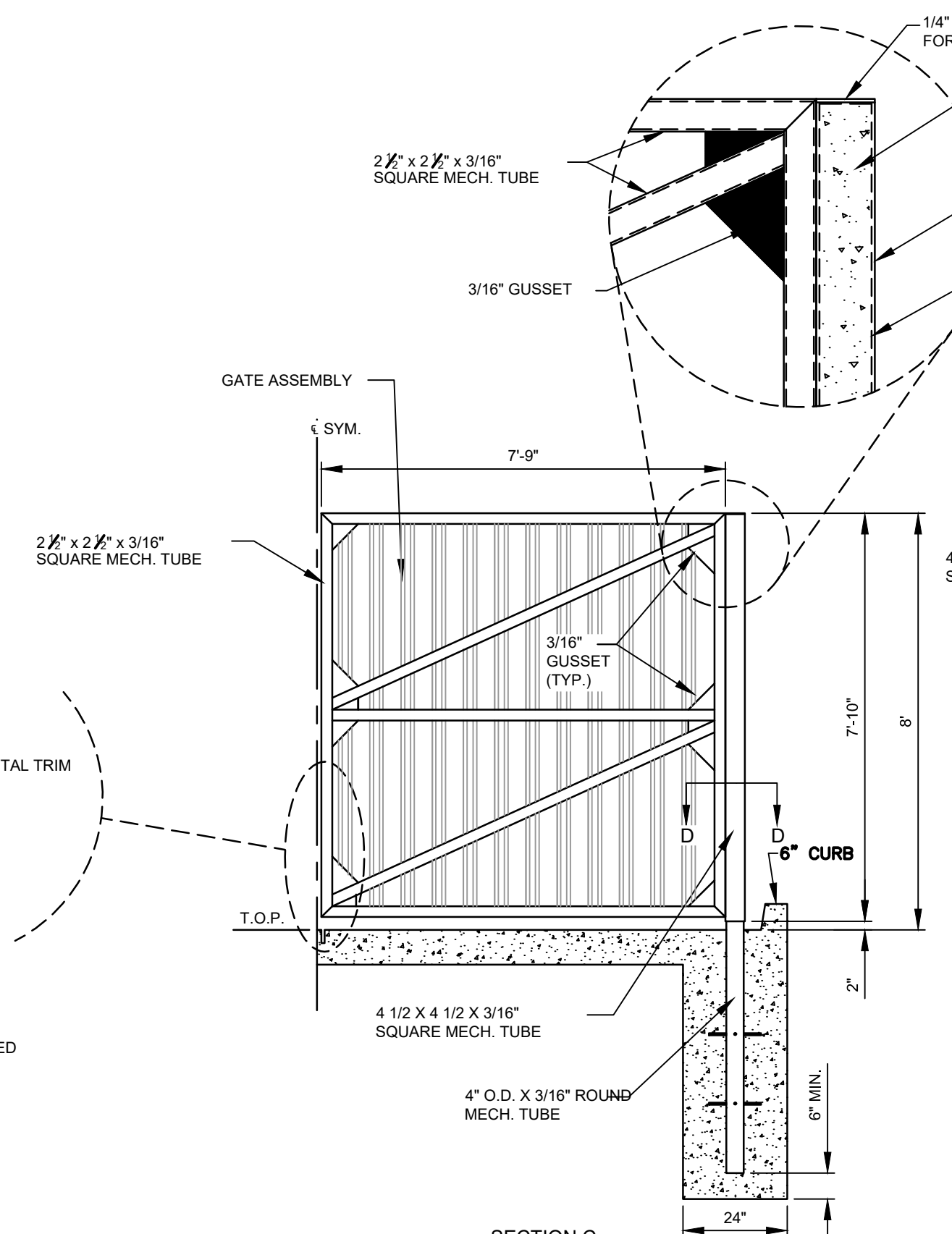
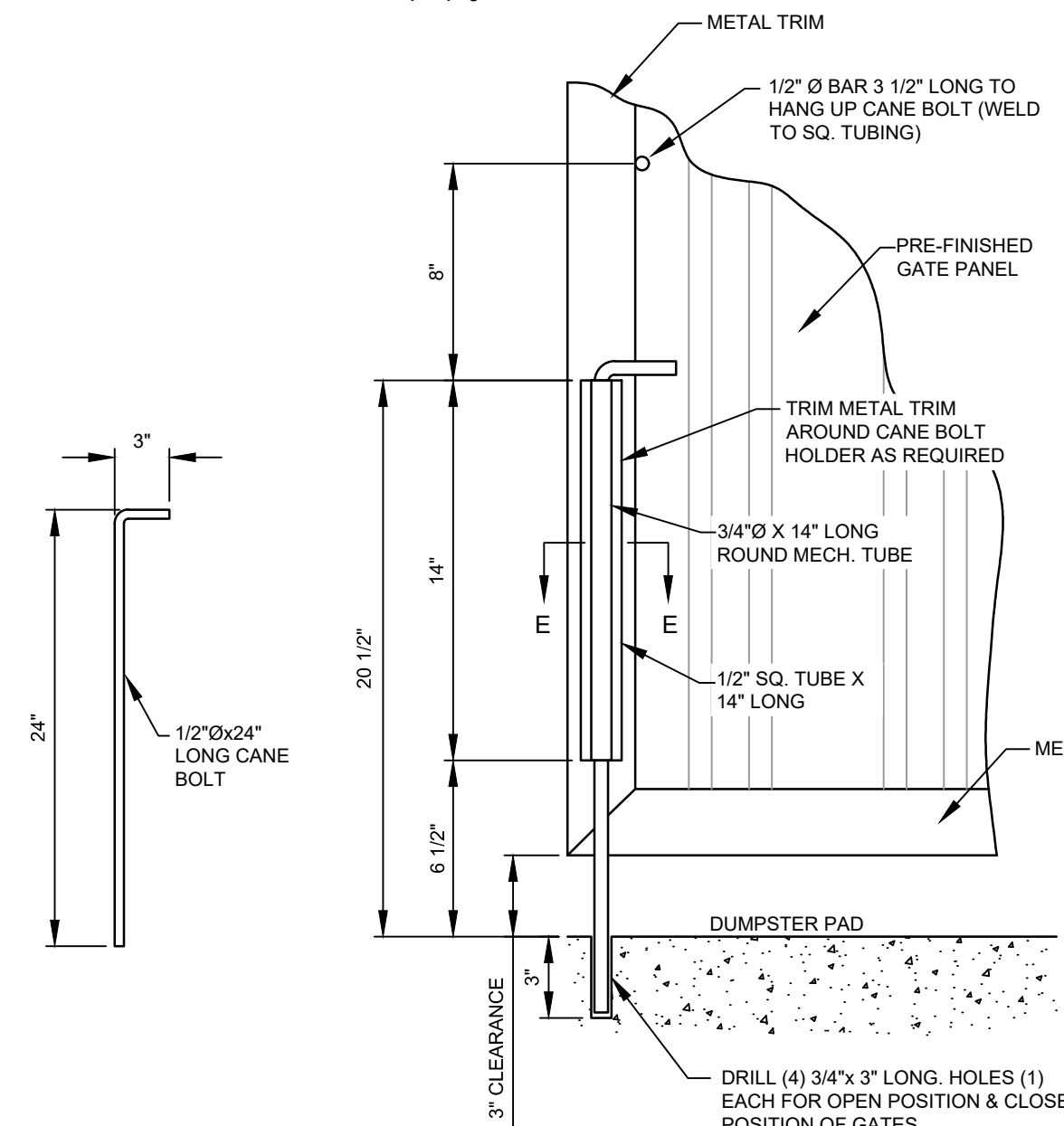
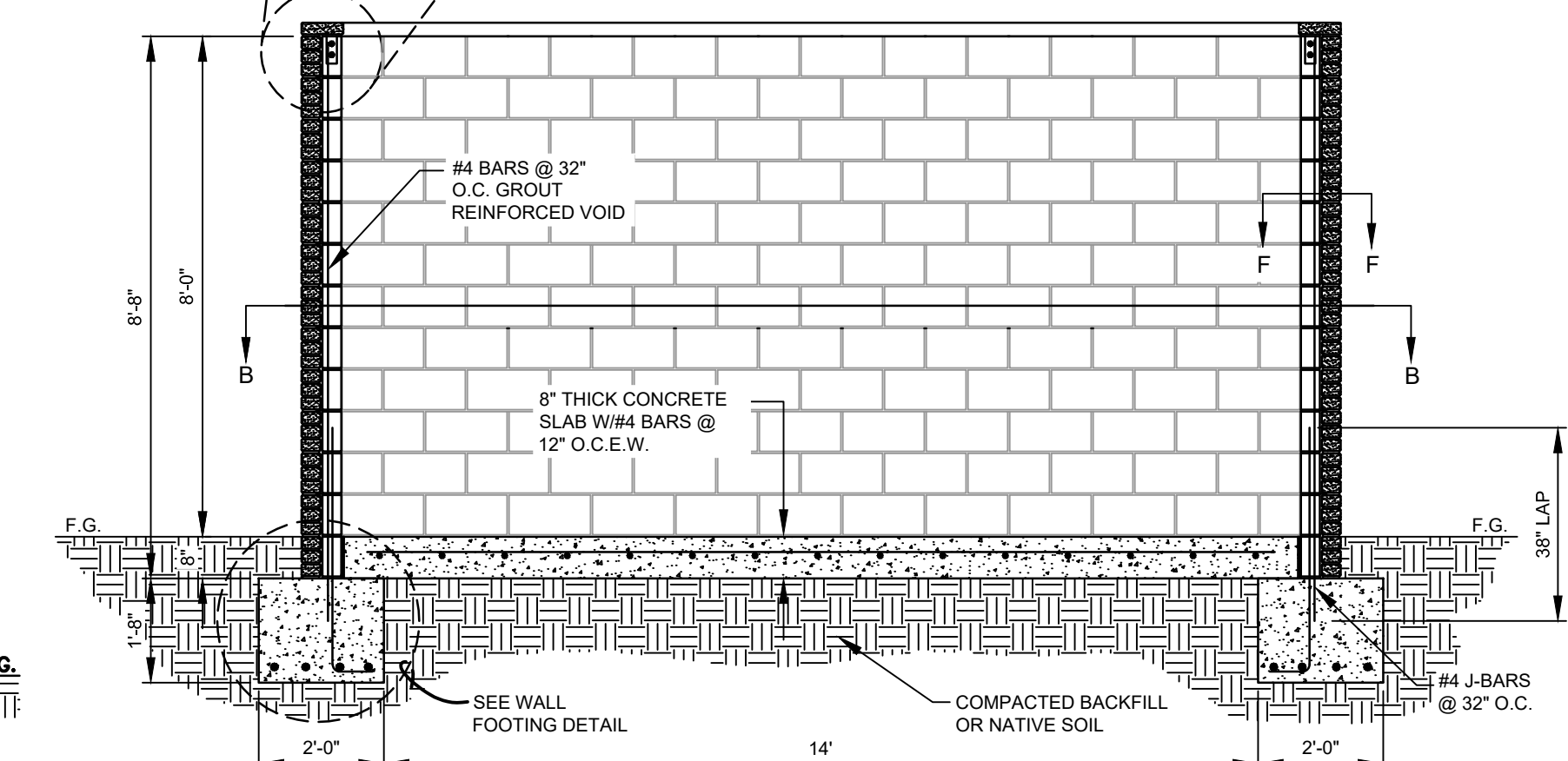
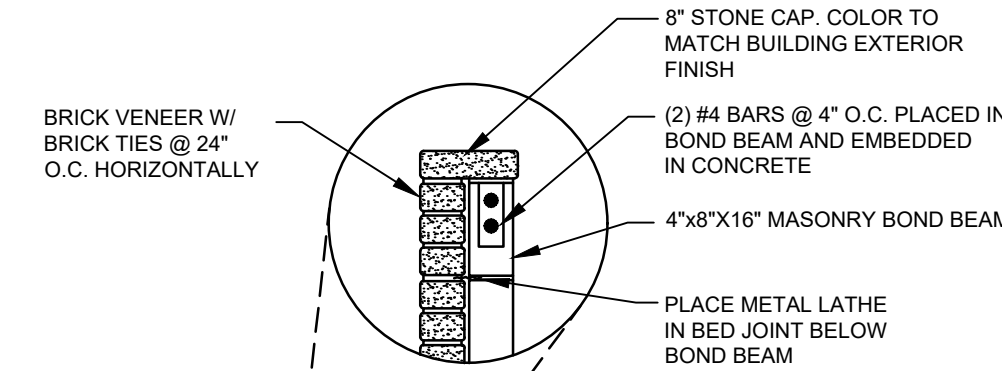
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BRICK VENEER - DUMPSTER ENCLOSURE  
DESIGN WIND SPEED: 130 M.P.H.

DUMPSTER TO BE 4" MASONRY BLOCK  
W/MODULAR BRICK VENEER. FINISH COLOR TO  
MATCH BUILDING EXTERIOR FINISH

DUMPSTER TO BE:  
• 4" MASONRY BLOCK W/MODULAR BRICK  
VENEER  
• ENDURAMAX PRE-BLENDED MORTAR  
(GROUT), COLOR "GRAY"  
• BRICK FINISH COLOR TO MATCH BUILDING  
EXTERIOR FINISH



PREFABRICATE METAL GATE INFORMATION

A. PREFINISHED 22 GAUGE BOX RIB WALL PANEL WITH MATCHING  
PERIMETER PREFINISHED BOX FRAME. BOX RIB WALL TO BE FASTENED  
TO GATE FRAME USING ONE (1) TEK SCREW AT EACH GROOVE TOP &  
BOTTOM AND AT 12" O.C. ON EACH SIDE. RIVET OVERLAPPING  
PANELS AT 12" O.C. AND FASTEN TO STRUCTURE AS INTERMEDIATE  
SUPPORT IS AVAILABLE

DUMPSTER GATE ELEVATION  
SCALE: 3/8" = 1'-0"

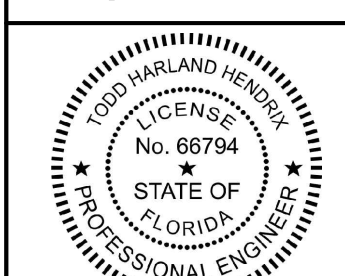
FINISH OF FRAMING (ALL EXPOSED METAL SURFACES) - UPON PREPARATION AND  
CLEANING PER PAINT MANUFACTURER'S RECOMMENDATIONS, CONTRACTOR SHALL  
UTILIZE THE FOLLOWING COATINGS:

- PRIMER COAT - CPS-26 ZINC CHROMATE PRIMER (3 TO 4 MILS DFT)
- FINISH COAT - 100 SERIES INDUSTRIAL ALKYL ENAMEL W/ HARDENER  
ADDITIVE (3 TO 5 MILS DFT) - COLOR - BLACK

BRICK FACADE DUMPSTER ENCLOSURE (METAL GATES)

SCALE: 3/8" = 1'-0"

SHEET NO.  
**C-13**



January 08, 2025  
TODD H. HENDRIX, P.E.  
FL. P.E. NO. 66794

REV	DATE	TH	PRN	PM	DES	JCH	DRW	CONCEPT
01/24/2024								Concept 1.0

**DUMPSTER DETAILS**  
MURPHY # 23039  
6270 FOREST HILL BLVD  
GREENACRES, FLORIDA, 33415



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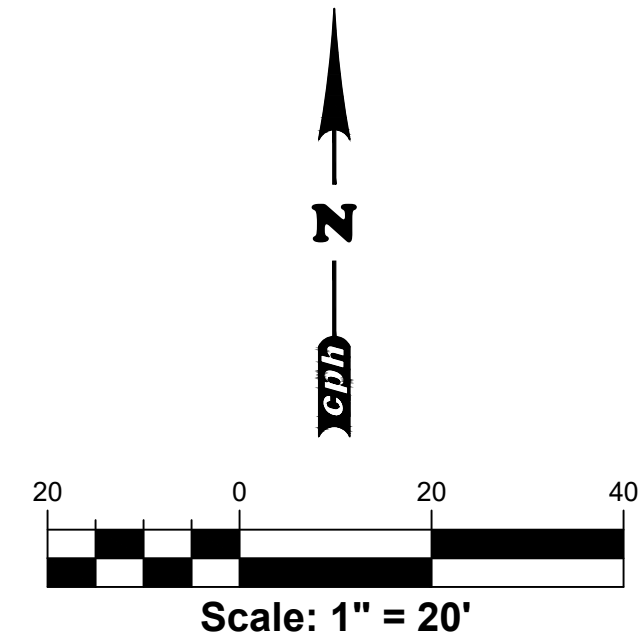
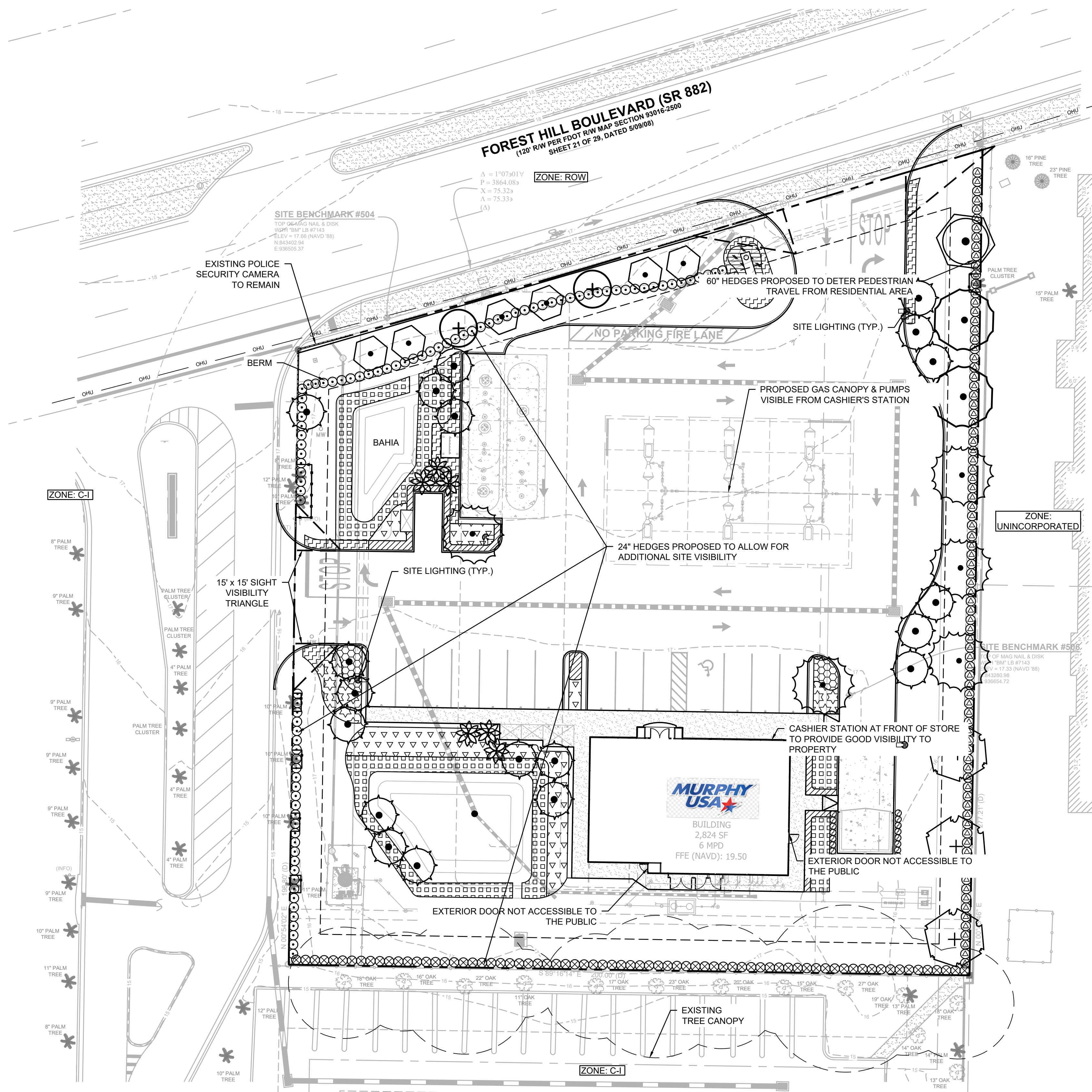
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Planners  
Surveyors  
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Plans Prepared By:  
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Ph: 305.274.4805  
Licenses:  
Eng. C.O.A. No. 3215  
Survey L.B. No. 7143  
Arch. L.C. No. AA2000206  
Landscape Lic. No. LC0000298

**MURPHY OIL USA, INC.**  
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USA**



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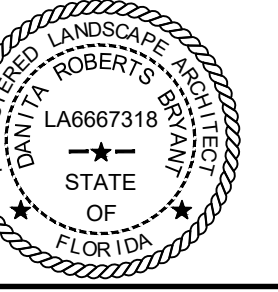
#### GENERAL SITE NOTES

- A CCTV VIDEO SURVEILLANCE SYSTEM IS TO BE INSTALLED.
- PHOTOMETRIC PLAN TO PROVIDE LIGHTING AROUND PERIMETER OF ALL SIDES OF PROPERTY AND PEDESTRIAN WALKWAY SURROUNDING THE BUILDING.
- LIGHTING TO BE PROVIDED FOR STOREFRONT ENTRANCE.

THIS SHEET NOT VALID FOR  
CONSTRUCTION UNLESS  
STAMPED APPROVED

Always call 811 two full business days before you dig  
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SHEET NO.  
**SP-14**



Danita R. Bryant, RLA  
LA6667318  
May 08, 2024

This item has been digitally  
signed and sealed by Danita  
R. Bryant 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  
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**SECURITY PLAN**  
**MURPHY # 23039**  
**6270 FOREST HILL BLVD**  
**GREENACRES, FLORIDA, 33415**



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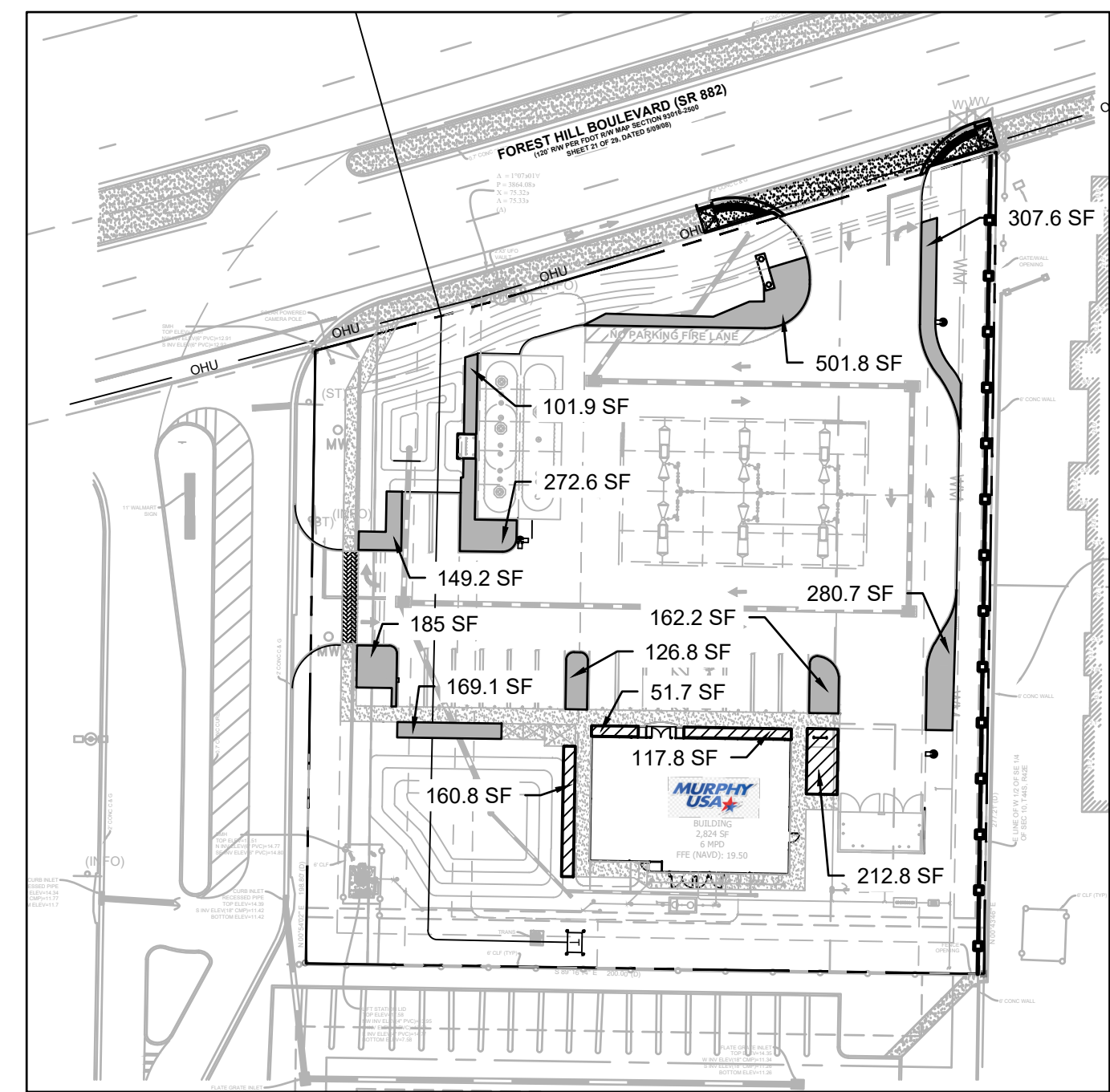
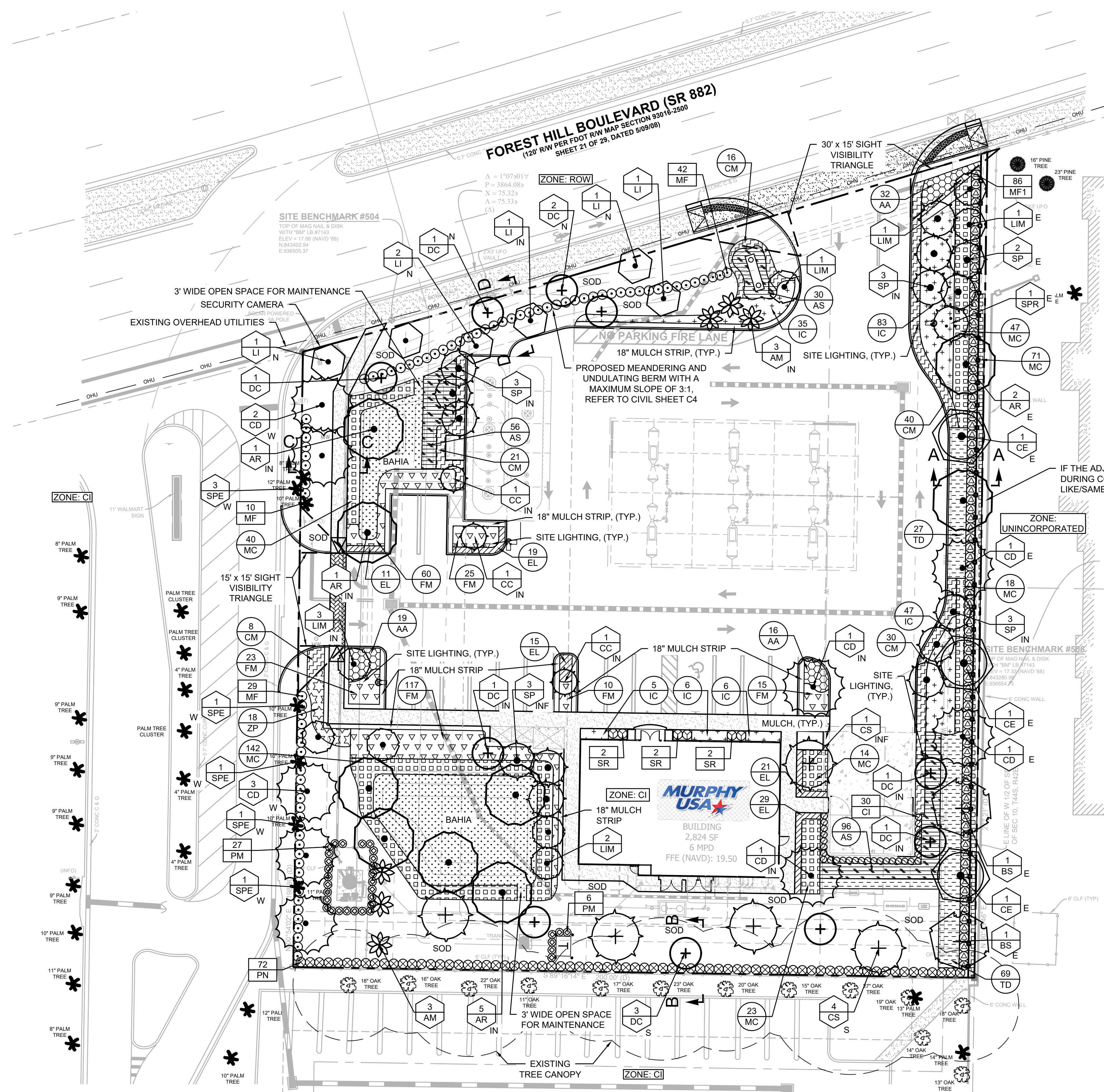
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Landscape Lic. No. LC00000298

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**MURPHY**  
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












PLANT LIST

SYM COMMON NAME

	<u>TREES</u>
	AM CHRISTMAS PALM
	AR RED MAPLE (N)
	BS GUMBO LIMBO (N)
	CD PIGEON PLUM (N)
	CE GREEN BUTTONWOOD (N)
	CS GEIGER TREE (N)
	DC DESERT CASSIA
	LI TONTO CRAPE MYRTLE
	SP CABBAGE PALM (N)
	LIM MUSKOGEE CRAPE MYRTLE
	CC JAMACIAN CAPER (N)
	SPR RELOCATED CABBAGE PALM
	SPE EXISTING CABBAGE PALM

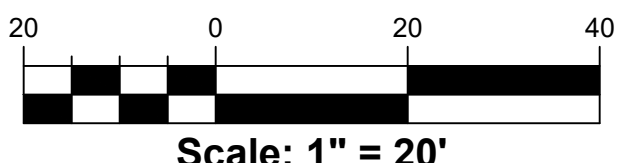
EXISTING TREES

**SHRUBS**

CI	REDTIP COCOPLUM (N)
MF	SIMPSON STOPPER (N)
MF1	SIMPSON STOPPER (N)
PM	MAKI PODOCARPUS
PN	WILD COFFEE (N)
SR	ORANGE BIRD OF PARADISE

<u>GROUND COVER</u>	
AA	LILY OF THE NILE
AS	BUSH ALLAMANDA
CM	EMERALD BLANKET
EL	GOLDEN CREEPER (N)
FM	GREEN ISLAND FICUS
IC	MAUI IXORA
MC	MUHLY GRASS (N)
ZP	COONTIE (N)
TD	FAKAHATCHEE GRASS (N)

SOD ST. AUGUSTINE GRASS  
BAHIA ARGENTINE BAHIA SOD



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CONSTRUCTION UNLESS  
STAMPED APPROVED





1. The Landscape Contractor shall be responsible for all materials and all work as called for on the Landscape Plans and in the Landscape Specifications. In the event of variation between quantities shown on plant list and the plans, the plans shall control. The Landscape Contractor shall verify all quantities and report any discrepancies at the time of bidding.
2. The Landscape Contractor shall review architectural/engineering plans and become thoroughly familiar with surface and subsurface utilities.
3. Prior to construction, the contractor shall be responsible for locating all underground utilities and shall avoid damage to all utilities during the course of the work. Locations of existing buried utility lines shown on the plans are based upon best available information and are considered to be approximate. It shall be the responsibility of the contractor 1) to verify the locations of utility lines within and adjacent to the work area 2) to protect all utility lines during the construction period 3) to repair any and all damage to utilities, structures, and appurtenances, etc., which occurs as a result of the construction 4) To field adjust the location of proposed trees and palms 10' off the center of the utility lines. Notify the Landscape Architect if a 10' offset does not function.
4. The work shall be coordinated with other trades to prevent conflicts. Coordinate the planting with the irrigation work to ensure availability and proper location of irrigation lines and plants.
5. Contractor shall ensure that there are no visual obstructions to vehicle lines of sight and traffic controls. Contractor shall field adjust tree and/or large shrub locations to avoid any such obstructions.
6. Trees shall be maintained by the owner to avoid future such obstructions by pruning trees and/or shrubs as necessary utilizing horticulturally sound techniques.
7. All planting shall be performed by personnel familiar with planting procedure and under the supervision of a qualified planting foreman.
8. All plant material shall be graded Florida No. 1 or better as outlined under Grades and Standards for Nursery Stock, Part I and II, published by the Florida Department of Agriculture and Consumer Services.
9. The minimum acceptable size of all plants, measured after pruning, with branches in normal positions, shall conform to the measurements specified on the plant list or as indicated on the landscape drawing. Height and spread dimensions refer to main body of the plant and not extreme branch tip only. Trunk caliber (trunk diameter) is measured 6 inches from the ground on trees up to and including 4 inches in caliber, and 12 inches from the ground for larger trees. Since trunks are seldom round, the average of the largest diameter and that perpendicular to it is referred to as caliber. When the plant list description calls out DBH or caliber at DBH, it shall govern over the caliber definition in this note.
10. The Landscape Architect or Owner shall have the right, at any stage of the operations, to reject any and all work and materials which, in his opinion, do not meet with the requirements of these specifications.
11. Except as otherwise specified, the Landscape Contractor's work shall conform to accepted horticultural practices as used in the trade.
12. Plants shall be protected upon arrival at the site, by being thoroughly watered and properly maintained until planted.
13. TOPSOIL

27. MAINTENANCE PRIOR TO FINAL INSPECTION AND ACCEPTANCE:

- A. Landscape Contractor shall commence after each plant is planted and the maintenance period shall continue until the job or specific phase of the job is accepted by the Landscape Architect or Owner. Extreme care shall be taken to instruct the Owner or his representatives in general maintenance procedures.
- B. Plant maintenance shall include watering, pruning, weeding, cultivating, mulching, lightening, and repairing of guys, replacement of sick or dead plants, resetting plants to proper grades or upright positions and restoration of the planting saucer and all other care needed for proper growth of the plants.
- C. During the maintenance work and up to the date of final acceptance, the Landscape Contractor shall do all necessary spraying and/or dusting of trees and shrubs. Upon completion of all planting, an inspection for acceptance of work will be held. The Landscape Contractor shall notify the Landscape Architect or Owner for scheduling of the inspection 10 days prior to the anticipated date.
- D. At the time of the inspection, if all of the materials are acceptable, a written notice will be given by the Landscape Architect or Owner to the Landscape Contractor Stating the date when the Maintenance Period ends.

A. All plant materials shall be guaranteed for one (1) year from the time of final inspection and interim acceptance shall be alive and in satisfactory growth for each specific kind of plant at the end of the guaranteed period.

B. At the end of the guarantee period, any plant required under this contract that is dead or not in satisfactory growth, as determined by the Owner or the Landscape Architect, shall be removed and replaced. Replacement plants shall have an extended guarantee, as noted above, from time of replacement.

C. All replacements shall be planted of the same kind and size as specified on the plant list. They shall be the responsibility of the Landscape Contractor.

SYM	COMMON NAME	BOTANICAL NAME	DESCRIPTION	QTY.
<u>TREES</u>				
- AM	CHRISTMAS PALM	ADONIDIA MERRILLII	12' MIN. CT., TRIPLE TRUNK, CLEAN	6
- AR	RED MAPLE (N)	ACER RUBRUM	2" CAL., 12' MIN. HT., 4' SPRD.	9
- BS	GUMBO LIMBO (N)	BURSERA SIMARUBA	2" CAL., 12' MIN. HT., 4' SPRD.	2
- CD	PIGEON PLUM (N)	COCOLOBA DIVERSIFOLIA	2" CAL., 12' MIN. HT., 4' SPRD.	9
- CE	GREEN BUTTONWOOD (N)	CONOCARPUS ERECTUS	2" CAL., 12' MIN. HT., 4' SPRD.	3
- CS	GEIGER TREE (N)	CORDIA SEBESTENA	2" CAL., 12' MIN. HT., 4' SPRD.	5
- DC	DESERT CASSIA	SENNA POLYPHYLLA	2" CAL., 10' MIN. HT., 4' SPRD.	10
- LI	TONTO CRAPE MYRTLE	LAGERSTROEMIA INDICA 'TONTO'	2" CAL., 12' MIN. HT., 4' SPRD., STD.	6
- SP	CABBAGE PALM (N)	SABAL PALMETTO	15' CT., CLEAN STRAIGHT TRUNK, BOOTS REMOVED, REG HEADS.	14
- LIM	MUSKOGEE CRAPE MYRTLE	LAGERSTROEMIA INDICA 'MUSKOGEE'	2" CAL., 12' MIN. HT., 4' SPRD., MULTI. TRUNK	8
- CC	JAMACIAN CAPER (N)	CAPPARIS CYNOPHALLOPHORA	2" CAL., 12' MIN. HT., 4' SPRD., STD.	3
- SPR	RELOCATED CABBAGE PALM	SABAL PALMETTO	REFER TO SHEET TR-1 FOR DETAILS	1
- SPE	EXISTING CABBAGE PALM	SABAL PALMETTO	REFER TO SHEET TR-1 FOR DETAILS	7

CI	REDTIP COCOPLOM (N)	CHRYSOBALANUS ICACO	3 GAL., 36" MIN. HT., 24" MIN. SPRD., 24" O.C.	30
MF	SIMPSON STOPPER (N)	MYRICANTHES FRAGRANS	3 GAL., 24" MIN. HT., 12" MIN. SPRD., 36" O.C.	81
MF1	SIMPSON STOPPER (N)	MYRICANTHES FRAGRANS	3 GAL., 60" MIN. HT., 30" MIN. SPRD., 36" O.C.	86
PM	MAKI PODOCARPUS	PODOCARPUS MACROPHYLLUS	7 GAL., 48" MIN. HT., 12" MIN. SPRD., 30" O.C.	73
PN	WILD COFFEE (N)	PSYCHOTRIA NERVOSA	3 GAL., 24" MIN. HT., 8" MIN. SPRD., 36" O.C.	32
SR	ORANGE BIRD OF PARADISE	STRELITZIA REGINAE	3 GAL., 36" MIN. HT., 24" MIN. SPRD., 36" O.C.	6

AA	LILY OF THE NILE	AGAPANTHUS AFRICANUS	3 GAL., 12" MIN. HT., 12" SPRD., 24" O.C.	67
AS	BUSH ALLAMANDA	ALLAMANDA SCHOTTII	3 GAL., 24" MIN. HT., 18" SPRD., 24" O.C.	182
CM	EMERALD BLANKET	CARISSA MACROCARPA 'EMERALD BLANKET'	3 GAL., 7" MIN. HT., 14" SPRD., 30" O.C.	115
EL	GOLDEN CREEPER (N)	ERNODEA LITTORALIS	1 GAL., 3" MIN. HT., 8" SPRD., 18" O.C.	95
FM	GREEN ISLAND FICUS	FICUS MICROCARPA 'GREEN ISLAND'	3 GAL., 24" MIN. HT., 18" SPRD., 24" O.C.	182
IC	MAUI IXORA	IXORA COCCINEA	3 GAL., 24" MIN HT., 12" SPRD., 30" O.C.	250
MC	MUHLY GRASS (N)	MUHLNBERGIA CAPILLARIS	3 GAL., 15" MIN. HT., 10" SPRD., 30" O.C.	355
TD	COONTINE (N)	ZAMIA PUMILA	3 GAL., 15" MIN. HT., 10" SPRD., 30" O.C.	18
ZP	FAKAHAATCHEE GRASS (N)	TRIPSACON FLORIDANUM	3 GAL., 24" MIN. HT., 18" SPRD., 36" O.C.	96

(N) = NATIVE SPECIES

7. ROOT BARRIER TO BE PROVIDED WITHIN 5' OF UTILITY PIPE, CURBS, PAVEMENT, FOUNDATIONS AND OTHER INFRASTRUCTURE.

A. LOCATE ALL UTILITIES AND SITE LIGHTING CONDUITS BEFORE LANDSCAPE CONSTRUCTION BEGINS.

B. NOTIFY LANDSCAPE ARCHITECT OR DESIGNATED REPRESENTATIVE OF ANY LAYOUT DISCREPANCIES PRIOR TO ANY PLANTING.

C. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SODDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY RELOCATED TREES SHALL BE MAINTAINED UNTIL SUCH POINT AS TREE IS RE-ESTABLISHED. ANY AREAS DISTURBED SHALL ANY REASON PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

D. CONTRACTOR IS TO VERIFY IF APPLICABLE THE LOCATION OF THE MASTER DEVELOPMENT IRRIGATION SYSTEM, VALVE BOXES, CONTROL BOXES, BACKFLOW PREVENTION DEVICES AND OTHER ITEMS WHICH ARE PART OF THE SYSTEM. IF DAMAGED THEY MUST BE REPAIRED AT CONTRACTOR'S COST.

E. CONTRACTOR IS TO PROTECT EXISTING LANDSCAPING/IRRIGATION MATERIALS.

F. ACCEPTANCE OF GRADING AND SEEDING SHALL BE BY THE OWNER. THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A MINIMUM OF ONE (1) YEAR OR UNTIL SECOND CUTTING, WHICH EVER IS LONGER. MAINTENANCE SHALL INCLUDE WATERING, WEEDING, RESEEDING AND OTHER OPERATIONS NECESSARY TO KEEP ALL LAWN AREAS IN A THRIVING CONDITION. UPON FINAL ACCEPTANCE, THE OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES. AFTER LAWN AREA HAVE GERMINATED, AREAS WHICH FAIL TO SHOW A UNIFORM STAND OF GRASS FOR ANY REASON WHATSOEVER SHALL BE RE-SEEDDED REPEATEDLY UNTIL ALL AREAS ARE COVERED WITH A SATISFACTORY STAND OF GRASS. MINIMUM ACCEPTANCE OF SEEDED LAWN AREAS MAY INCLUDE

SCATTERED BARE SPOTS, NONE OF WHICH ARE LARGER THAN 1 SQUARE FOOT, AND WHEN COMBINED DO NOT EXCEED 2% OF TOTAL SEEDED LAWN AREA.

G. ALL PERMANENT TURF AREAS SHALL BE SOD.

H. FERTILIZE ALL PLANTS AT THE TIME OF PLANTING WITH TIME RELEASE FERTILIZER.

I. SEE DEVELOPMENT PLAN FOR APPLICATION OF TOPSOIL AND MAINTENANCE OF SEEDED AREAS.

J. SINGLE PROCESSED NON-CYPRESS HARDWOOD MULCH SHALL BE USED AS A FOUR INCH (4") TOP DRESSING IN ALL PLANT BEDS AND AROUND ALL TREES. SINGLE TREES OR SHRUBS SHALL BE MULCHED TO THE OUTSIDE EDGE OF THE SAUCER OR LANDSCAPE ISLAND (SEE PLANTING DETAILS).

K. ALL PLANT MATERIAL SHALL BE WARRANTED FOR A PERIOD OF 1 YEAR AFTER PLANTING. IF ANY PLANTS DIE BEFORE THEY END OF 1 YEAR THEY SHALL BE REPLACED, AT NO COST TO THE OWNER, BY A PLANT OF SIMILAR SIZE AND SPECIES.

L. ALL TREES SHALL BE PLANTED PER DETAILS, SHEET L5.0.

M. GC SHALL INCORPORATE PRE-EMERGENT HERBICIDE AND WEED BARRIER FABRIC IN ALL MULCH AND PLANTING AREAS.

N. IF A CONFLICT ARISES BETWEEN THESE AND THE GENERAL LANDSCAPE NOTES, THESE WILL TAKE PRECEDENCE.

O. GC SHALL INCORPORATE PRE-EMERGENT HERBICIDE AND WEED BARRIER FABRIC IN ALL MULCH AND PLANTING AREAS.

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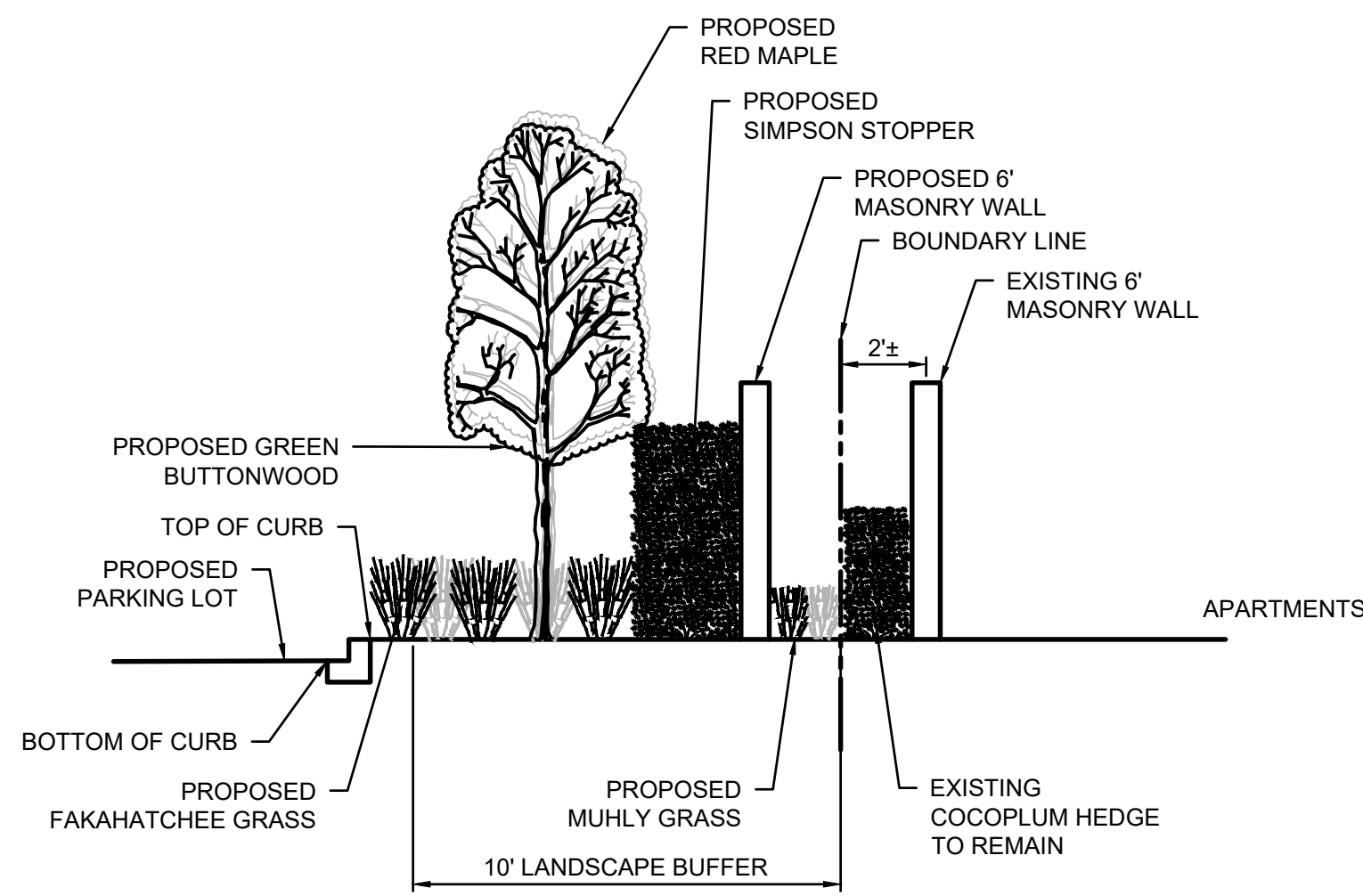
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LANDSCAPE DATA			
NAME OF PROJECT	GREENACRES MURPHY		
PROPERTY CONTROL NUMBERS	18-42-44-10-0-000-5020		
FEMA FLOOD ZONE	X		
EXISTING/PROPOSED LAND USE DESIGNATION	SERVICE STATION		
EXISTING/PROPOSED ZONING DISTRICT	CI (COMMERCIAL INTENSIVE)		
MAXIMUM BUILDING HEIGHT	35'		
PROPOSED BUILDING HEIGHT	18.5'		
NUMBER OF STORIES	1		
NUMBER OF BUILDING	1		
TOTAL SITE AREA	51,111 SQ. FT.	1.17 AC	
LAND USE	SQ. FT.	AC.	%
BUILDING LOT COVERAGE	6,680 SQ. FT.	0.15	13.1
VEHICULAR USE AREA/SIDEWALK/HARDSCAPE	27,726 SQ. FT.	0.64	54.2
OPEN SPACE	16,705 SQ. FT.	0.38	32.7
TOTAL SITE AREA	51,111 SQ. FT.	1.17	100
OPEN SPACE	MINIMUM	PROPOSED	
	20%	32.6%	
LOT COVERAGE			
IMPERVIOUS AREA	SQ. FT.	AC.	%
BUILDING LOT COVERAGE	6,680 SQ. FT.	0.15	13.1
VEHICULAR USE AREA/SIDEWALK/HARDSCAPE	27,726 SQ. FT.	0.64	54.2
TOTAL IMPREVIOUS AREA	34,406 SQ. FT.	0.79	67.3
PERVIOUS AREA	SQ. FT.	AC.	%
BUFFER AREA	14,100 SQ. FT.	0.32	27.7
INTERIOR LANDSCAPE AREA	2,605 SQ. FT.	0.06	5
TOTAL PREVIOUS AREA	16,705 SQ. FT.	0.38	32.7
TOTAL SITE AREA	51,111 SQ FT	1.17	100
LANDSCAPE BUFFER REQUIREMENTS		REQUIRED	PROPOSED
181 LF NORTH (BUFFER TYPE A-2, ADJ. TO MAJOR ROADWAY)		15'	15'
1 TREE PER EA. 25'		8	11
CONTINUOUS 24" TALL HEDGE		REQUIRED	PROVIDED
200 LF SOUTH (BUFFER TYPE C, ADJ TO COMMERCIAL)		10'	10'
1 TREE PER EA. 30'		7	7
CONTINUOUS 24" TALL HEDGE		REQUIRED	PROVIDED
267 LF EAST (BUFFER TYPE D, ADJ TO COMMERCIAL)		10'	10'
1 TREE PER EA. 25'		11	11
CANOPY TREES (CE, AR, CD, BS)		11	9
3:1 PALM GROUPINGS		0	2
PERCENTAGE PALMS		MAX 30%	18%
CONTINUOUS 24" TALL HEDGE		REQUIRED	PROVIDED
163 LF WEST (BUFFER TYPE C, ADJ TO COMMERCIAL)		10'	10'
1 TREE PER EA. 25'		7	7
CANOPY TREES (CD)		0	5
3:1 PALM GROUPINGS		0	2
PERCENTAGE PALMS		MAX 30%	29%
CONTINUOUS 24" TALL HEDGE		REQUIRED	PROVIDED
INTERIOR LANDSCAPE REQUIREMENTS		REQUIRED	PROPOSED
MIN. 10% VEHICULAR USE AREA SHALL BE INTERIOR LANDSCAPE AREA	22,527 SQ. FT.	2,252 SQ. FT.	2,257 SQ. FT.
1 TREE PER EA. 100 SQ. FT.		23	23
MIN. 5% OF INTERIOR LANDSCAPE AREA SHALL BE FOUNDATION PLANTING		111 SQ. FT.	543 SQ. FT.
1 TREE PER EA. 100 SQ. FT.		2	2
TOTAL TREES			
CANOPY TREES (AR, CD, BS, CE, CS)		25	28
3:1 PALMS (EXISTING, SP)			7

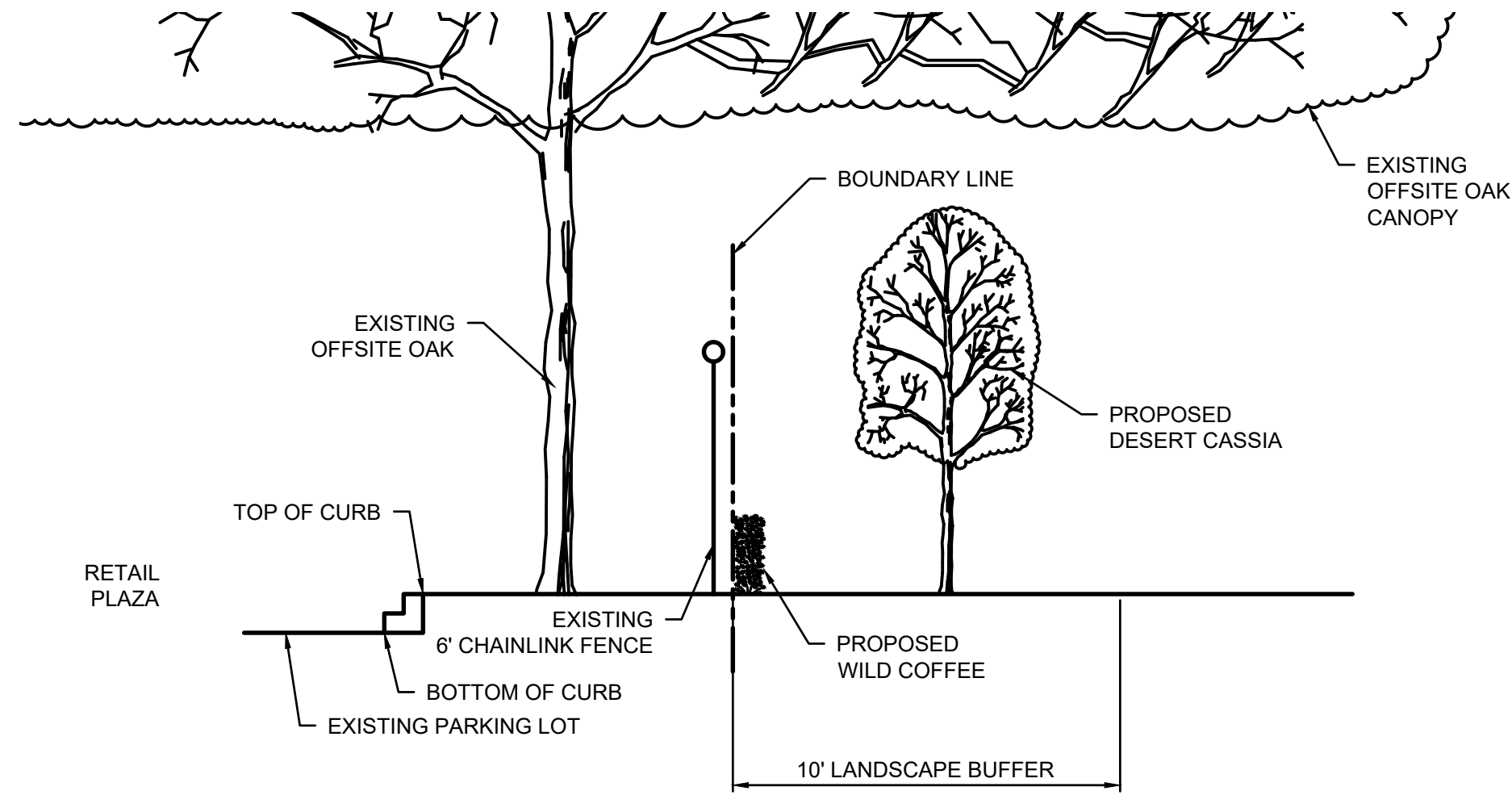
<b>MURPHY OIL USA, INC.</b>		<b>SHEET NO. LP-2</b>	
		Danita R. Bryant, R.L.A. LA6667318 Feb 27, 2025	
		JOB NO. M39699	Concept 1.0
REV-0	TH DATE	A.D.A. DRW	D.R.B. DES
		LANDSCAPE NOTES, PLANT LIST AND DATA	
		MURPHY # 23039	
		6270 FOREST HILL BLVD	
		GREENACRES, FLORIDA, 33415	
			
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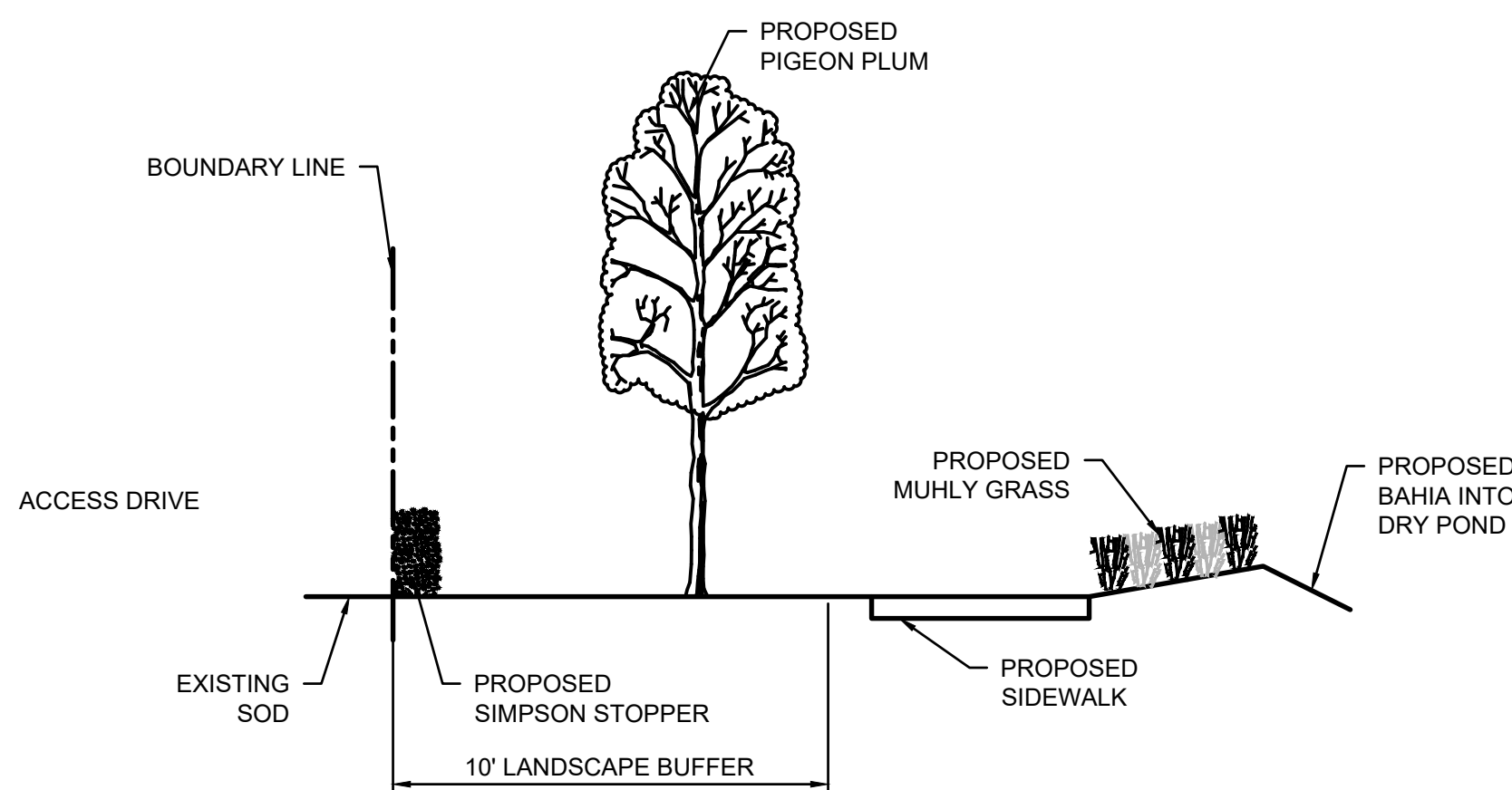
**EAST BUFFER SECTION A - A**

SCALE 1:4



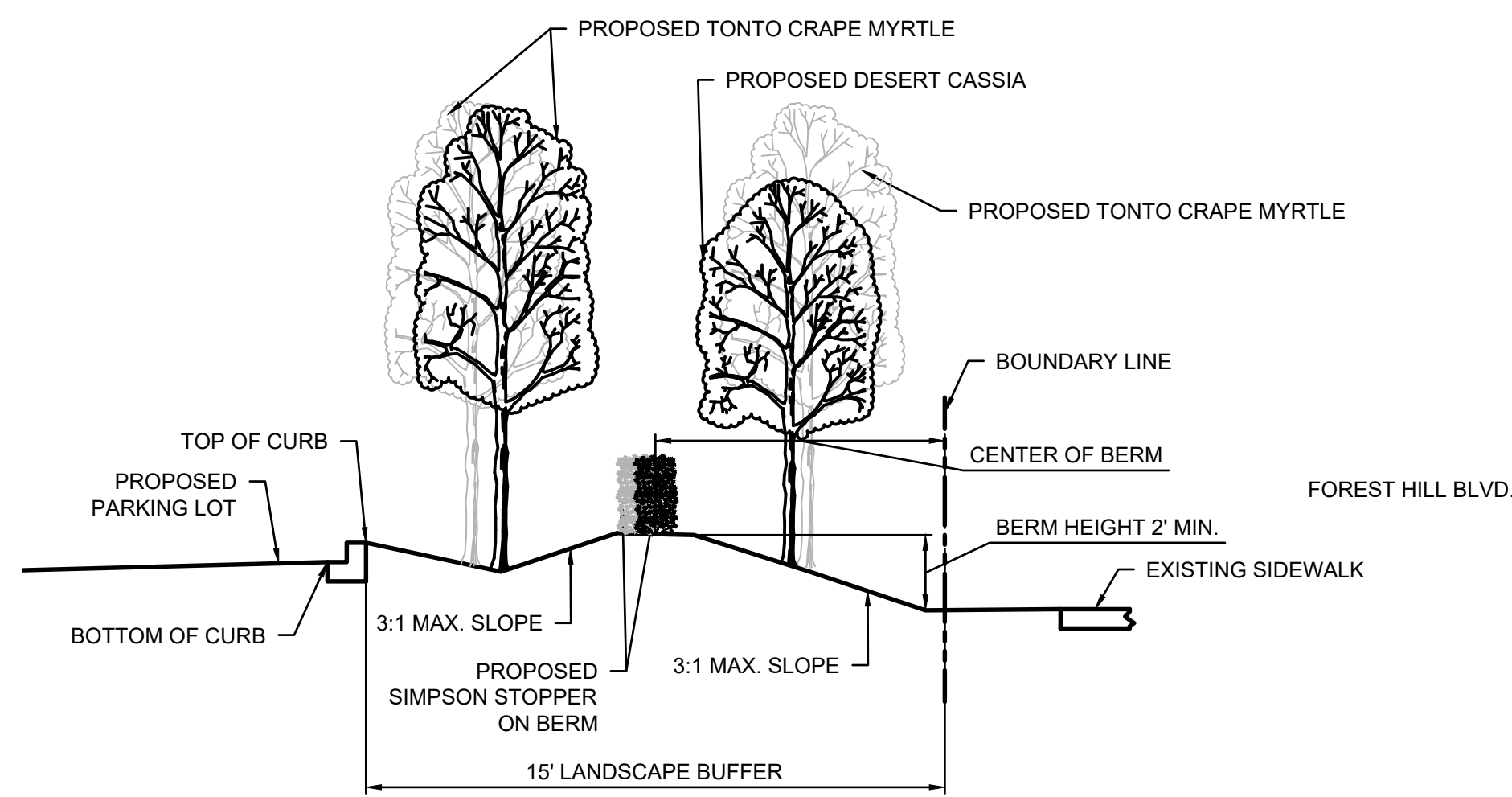
**SOUTH BUFFER SECTION B - B**

SCALE 1:4



**WEST BUFFER SECTION C - C**

SCALE 1:4



**NORTH BUFFER SECTION D - D**

SCALE 1:4

THIS SHEET NOT VALID FOR  
CONSTRUCTION UNLESS  
STAMPED APPROVED



**SHEET**  
**NO.**  
**LP-4**

Danila R. Bryant, RLA  
LA6667318  
Feb 27, 2025

JOB NO. M3693  
Concept 1.0

A.D.A.  
DRW

D.R.B.  
DES

AD  
PM

TH  
PRN

08/11/2023  
DATE

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**CROSS SECTIONS**  
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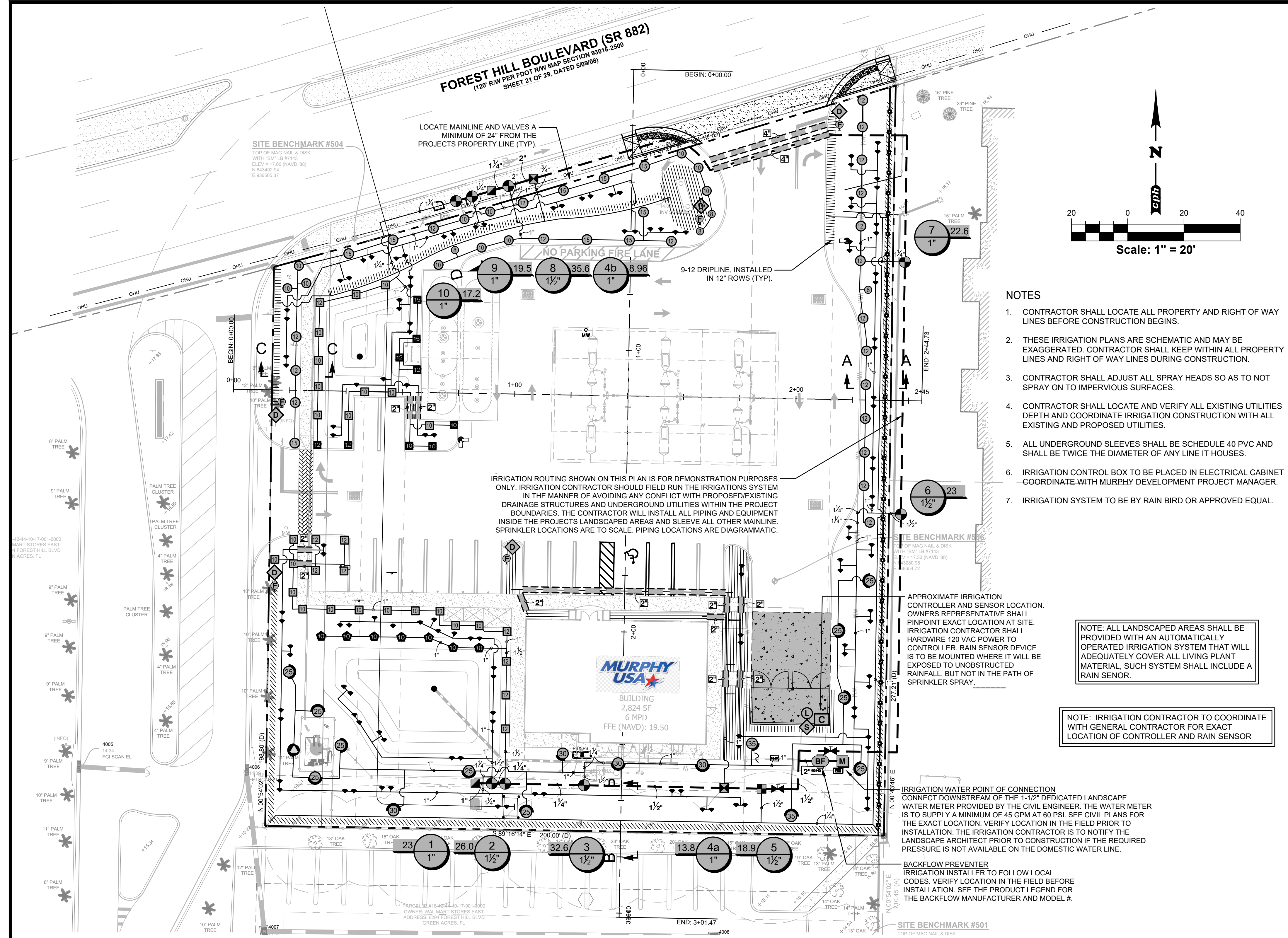
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Miami, FL 33135  
Ph: 305.274.4805  
Licenses:  
Eng. C.O.A. No. 3215  
Survey L.B. No. 7143  
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**MURPHY OIL USA, INC.**

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**USA**  
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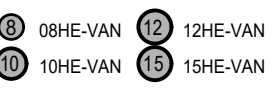
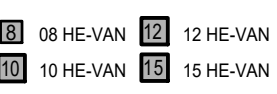




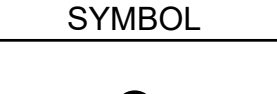
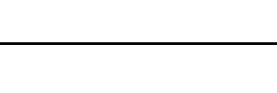
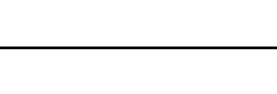
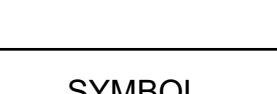


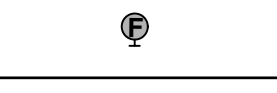

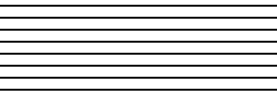
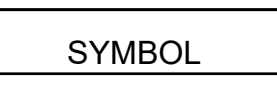
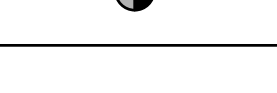
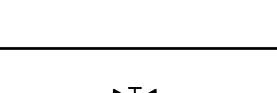
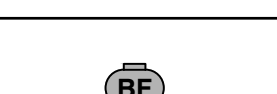
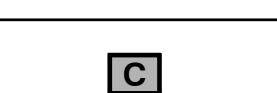


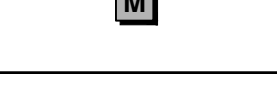
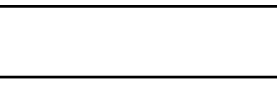
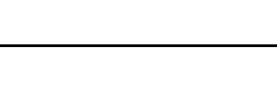


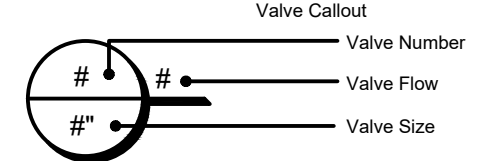
THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THEY AGREE TO BE FULLY RESPONSIBLE ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THEIR FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

THESE PLANS ARE DIAGRAMMATIC OF THE WORK TO BE PERFORMED. ALL LANDSCAPED AREAS ARE TO RECEIVE 100% COVERAGE. INSTALL THIS IRRIGATION SYSTEM PER THE SITE CONDITIONS, AVAILABLE FLOW/PRESSURE AND MANUFACTURERS RECOMMENDATIONS. ADJUST ZONE FLOWS TO ACCOMMODATE THE AVAILABLE MAINLINE FLOWS AND PRESSURES.

THE DESIGN PROFESSIONAL DOES NOT ACCEPT ANY/ALL RESPONSIBILITY AND/OR LIABILITY FOR PROBLEMS WHICH ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS AND DESIGN INTENT THEY CONVEY OR PROBLEMS WHICH ARISE FROM OTHERS' FAILURE TO OBTAIN AND/OR FOLLOW THE DESIGN PROFESSIONALS GUIDANCE WITH RESPECT TO ANY ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES OR CONFLICTS WHICH ARE ALLEGED.

## IRRIGATION SCHEDULE

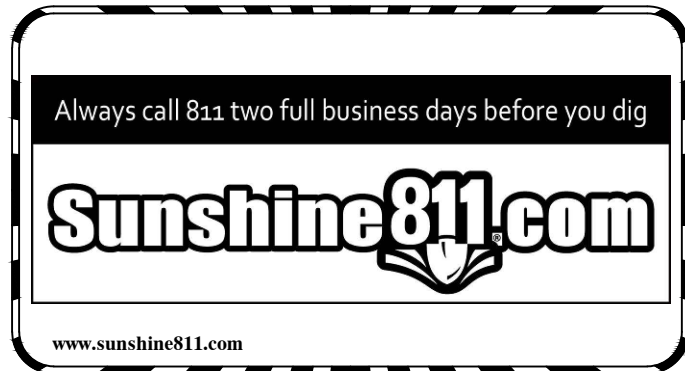
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	
	Rain Bird 1806-U-PRS HE-VAN Series Turf Spray 6in. Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2in. NPT Female Threaded Inlet. Pressure Regulating.	44	30	
	Rain Bird 1806-PRS-U HE-VAN Series Shrub Spray, 6.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	31	30	
	Rain Bird 1812-PRS-U HE-VAN Series Shrub Spray, 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. Side and Bottom Inlet. 1/2" NPT Female Threaded Inlet. With Pressure Regulating Device.	9	30	
	Rain Bird PA-8S-PRS-U HE-VAN Series Shrub Spray on fixed riser with the PA-8S-PRS 30 psi Pressure Regulating Shrub Adapter. Use with 1/2in. MPT threaded risers. U series nozzles.	7	30	
	Rain Bird R-VAN18 1806-SAM-P45 Turf Rotary, 13'-18' 45-270 degrees and 360 degrees. Hand Adjustable Multi-Stream Rotary w/1800 turf spray body on 6" pop-up, with check valve and 45 psi in-stem pressure regulator. 1/2" NPT Female Threaded Inlet.	1	35	
	Rain Bird 1800-1400 Flood 1401 Fixed flow rate (0.25-2.0GPM), full circle bubbler, 1/2" FIPT.	131	20	
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI	RADIUS
	Rain Bird 5006-PC-FC-MPR 25 Turf Rotor, 6" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige.	10	35	24'
	Rain Bird 5006-PC-FC-MPR 30 Turf Rotor, 6" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige.	4	35	30'
	Rain Bird 5006-PC-FC-MPR 35 Turf Rotor, 6" Pop-Up, Plastic Riser, Matched Precipitation Rotor (MPR nozzle). Arc and Radius as per Symbol. 25 ft=red, 30 ft=green, 35ft=beige.	2	35	34'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		
	Rain Bird XCZ-100-LC Wide Flow Drip Control Kit, for Light Commercial Uses. 1in. PEB Valve with 1in. Pressure Regulating 40psi Basket Filter. 0.3-20 GPM.	2		
	Rain Bird XCZ-150-LCS High Flow Control Zone Kit, for Large Commercial Drip Zones. 1-1/2" PEB Globe Valve with single 1-1/2" Pressure Regulating (40psi) Quick-Check Basket Filters. Flow range: 15-62gpm.	1		
	Rain Bird MDCFCAP Dripline Flush Valve cap in compression fitting coupler.	5		
	Rain Bird OPERIND Drip System Operation Indicator, stem rises 6" for clear visibility when drip system is charged to a minimum of 20psi. Includes 16" of 1/4" distribution tubing with connection fitting pre-installed.	5		
	Area to Receive Dripline Rain Bird XFD-09-12 XFD On-Surface Pressure Compensating Landscape Dripline. 0.9 GPH emitters at 12" O.C. Dripline laterals spaced at 12" apart, with emitters offset for triangular pattern. UV Resistant. Specify XF insert fittings.	2,780 s.f.		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY		
	Rain Bird PEB 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration.	8		
	Rain Bird 33-DLRC 3/4" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring. Locking Thermoplastic Rubber Cover, Double Track Key Lug, and 2-Piece Body.	2		
	Nilco T-113-K Class 125 bronze gate shut off valve with cross handle, same size as mainline pipe diameter at valve location. Size Range - 1/4" - 3"	2		
	Watts 919QT 2" Backflow reduced pressure zone - Installation by a licensed Florida Plumbing Contractor in accordance with Manufacturer's recommendations and all federal, state and local codes.	1		
	Rain Bird ESP4ME3 with (3) ESP-SM3 13 Station, Hybrid Modular Outdoor Controller. For Residential or Light Commercial Use. LNK WiFi Module and Flow Sensor Ready.	1		
	Rain Bird LNK2WiFi! Upgrades controllers (ESP-M, ESP-RZx, ST8) to Have Weather Data for ET-Based Adjustments (WaterSense Approved) & WiFi Capabilities -	1		
	Rain Bird RSD-Bex Rain Sensor, with metal latching bracket, extension wire.	1		
	Water Meter 1-1/2" Water meter requires 45 GPM @ 60 PSI. Irrigation contractor shall be responsible to verify the sources ability to service the systems requirements at site before starting construction.	1		
	Irrigation Lateral Line: PVC Class 200 SDR 21 Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size. Fittings shall be SCH 40 and molded. Install 12" below final grade.	3,720 l.f.		
	Irrigation Mainline: PVC Class 200 SDR 21 Pipe sizes 3" inch or smaller shall have bell and socket joints. Fittings shall be SCH 40 and molded. Install 18" below grade.	568.8 l.f.		
	Pipe Sleeve: PVC Schedule 40 The depth of the sleeves shall be a minimum 30" cover from finished grade under roadway crossings and 24" under all sidewalks and hardscapes. Extend sleeves 18" beyond edges of paving or construction, mark both ends with a 3" "V" in pavement.	218.7 l.f.		



**IRR. DESIGN**

3215 ELLEN DR.  
ORLANDO, FL 32806  
PHONE (407) 859-5790  
IRRdesign.com  
Jason McElroy  
irrdesign@gmail.com

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CONSTRUCTION UNLESS  
STAMPED APPROVED



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Survey L.B. No. 7143

Arch. Lic. No. A42600928

Landsc. Lic. No. LC00000298

**SHEET  
NO. 1  
IR-1**

Danila R. Bryant, RLA  
LA6667318  
Feb 27, 2025

JOB NO. M3899

Concept 1.0

A.D.A.

DRW

D.R.B.

DES

AD

PM

TH

PRN

DATE

08/11/2023

REV-0

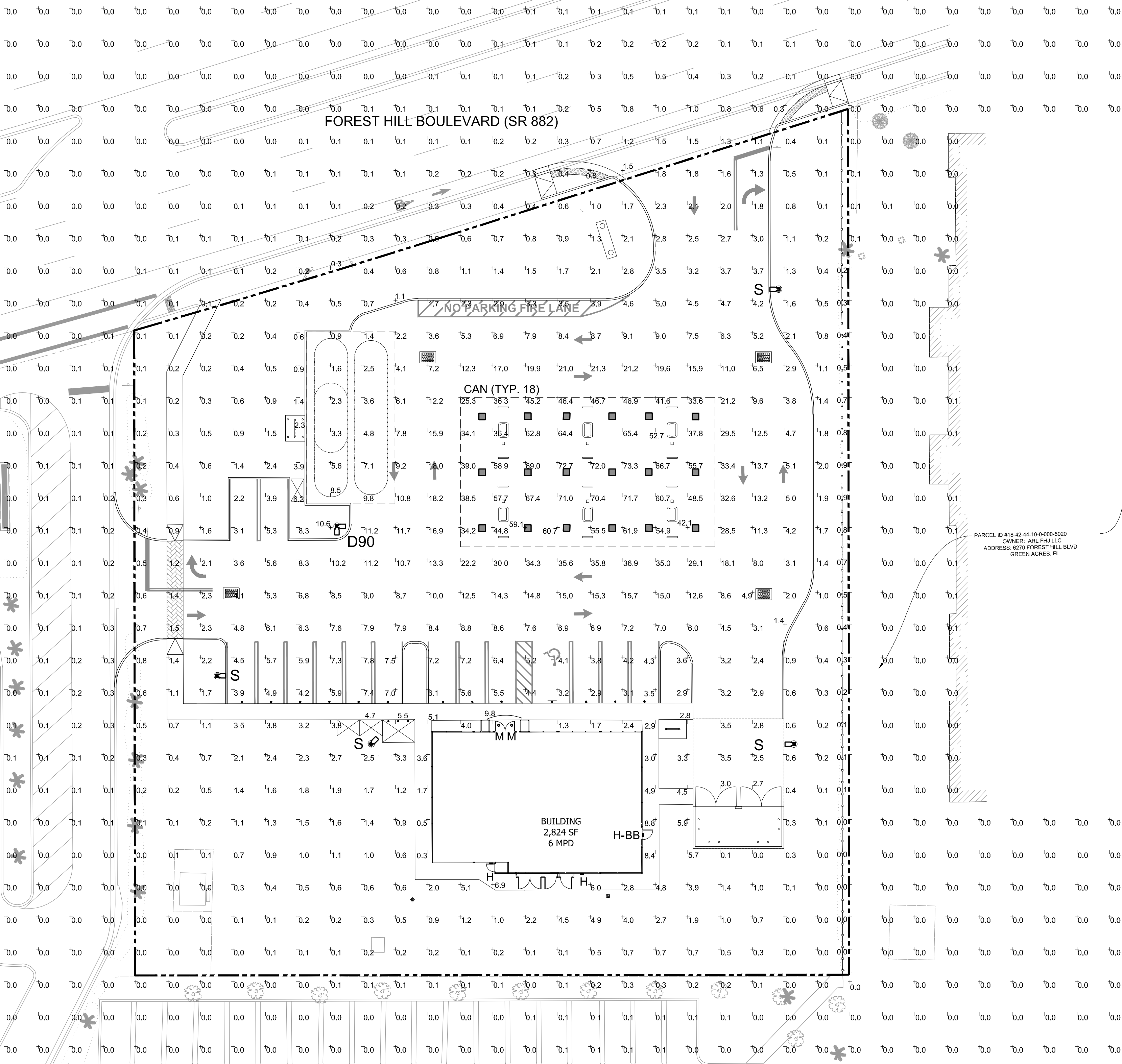
IRRIGATION PLAN

MURPHY # 23039

6270 FOREST HILL BLVD

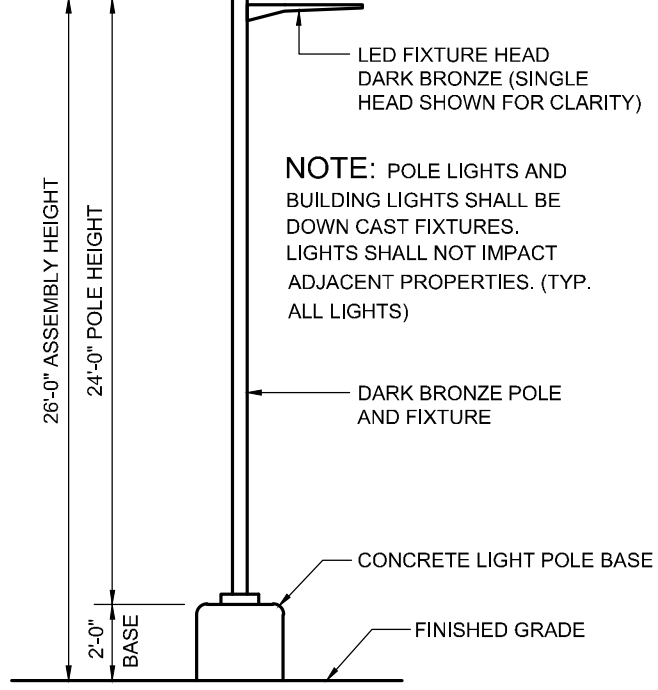
GREENACRES, FLORIDA, 33415





CALCULATION SUMMARY					
LABEL	UNITS	AVG	MAX	MIN	MAX/MIN
PARKING	FC	5.31	7.8	2.9	2.69:1
ILLUMINATED AREA	FC	8.92			

CONTRACTOR TO ENSURE THE LIGHT POLE AND HANDICAP PARKING SIGN ARE AT LEAST 2' FROM THE BACK OF CURB TO PREVENT VEHICLES FROM STRIKING THE LIGHT POLE OR HANDICAP PARKING SIGN. PROPOSED LIGHT POLE BASES SHOWN AT A MINIMUM OF 2'-6" FROM BACK OF CURB TO CENTER OF POLE/BASE. ENGINEER TO VERIFY PROPOSED LOCATIONS FOR ANY CONFLICTS OR MISPLACEMENTS. REPORT TO LIGHTING DESIGNER ANY DISCREPANCIES OR CONFLICTS.



2 AREA LIGHT DETAIL  
SCALE: NOT TO SCALE

1 PHOTOMETRIC SITE PLAN  
SCALE: 1"=20'-0"

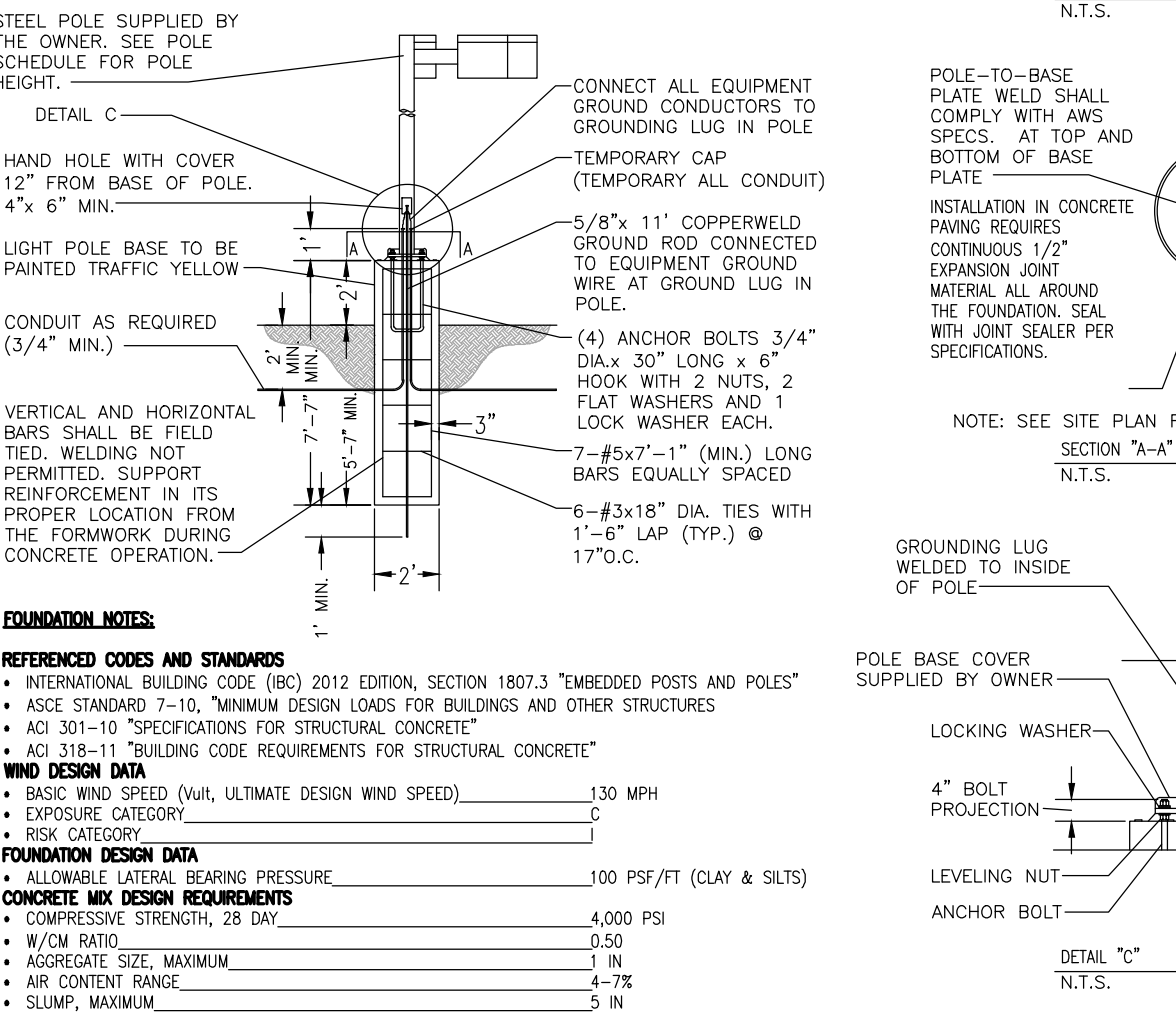
LUMINAIRE SCHEDULE							
MOUNTING CONFIG	SYMBOL	QTY	ASSEMBLY HEIGHT	POLE HEIGHT	LUMENS	TOTAL WATTS	MODEL NUMBER
S		4	26'-0"	24'-0"	18904	135	SLM-18L-SIL-FT-UNV-50-70-BRZ-IL
D90		1	26'-0"	24'-0"	18904	135	SLM-18L-SIL-FT-UNV-50-70-BRZ
CAN		18	15'-0"	N/A	19071	125	CRUS-SC-LED-HO-50-UE-WHT
H		2	8'-3"	N/A	4124	30	XWM 3 LED 04L 50 UE BRZ
H-BB		1	8'-3"	N/A	4124	30	XWM 3 LED 04L 50 UE BRZ BB
M		2	8'-8"	N/A	2333	22	LCD6LED25LUNVDM135WV TR6RWHAZ EM

POLE SCHEDULE							
MOUNTING CONFIG	SYMBOL	QTY	POLE HEIGHT	MODEL NUMBER	DESCRIPTION		
S		4	24'-0"	SSSQB3-STG-24-S-BRZ-4BC	LSI LIGHTING, STEEL SQUARE POLE, BOLT-ON ARM MOUNT, BRONZE		
D90		1	24'-0"	SSSQB3-STG-24-D90-BRZ-4BC	LSI LIGHTING, STEEL SQUARE POLE, BOLT-ON ARM MOUNT, BRONZE		

NOTES: ALL AREA SITE LIGHT FIXTURES AND POLES TO BE MOUNTED ON CONCRETE BASE PER DETAIL, THIS SHEET. POLES RATED TO 130 MPH WIND VELOCITY. ALL ANCHOR BOLTS TO BE ORIENTED IN THE SAME DIRECTION (SQUARE) AT INSTALLATION PER MANUFACTURER'S SPECIFICATIONS. ALL PROPOSED FIXTURES ARE FULL CUT-OFF FIXTURES.

POLE SCHEDULE				
MOUNTING CONFIG	SYMBOL	QTY	POLE HEIGHT	MODEL NUMBER
S		4	24'-0"	SSSQB3-STG-24-S-BRZ-4BC
D90		1	24'-0"	SSSQB3-STG-24-D90-BRZ-4BC

NOTES: ALL AREA SITE LIGHT FIXTURES AND POLES TO BE MOUNTED ON CONCRETE BASE PER DETAIL, THIS SHEET. POLES RATED TO 130 MPH WIND VELOCITY.



TYPICAL LIGHT POLE BASE DETAIL  
NOT TO SCALE

**NOTES:**  
PLAN WAS BASED ON THE INFORMATION PROVIDED. ALL DIMENSIONS, LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.  
THE CALCULATED PHOTOMETRIC LEVELS MAY OR MAY NOT MEET CERTAIN STANDARDS OR RECOMMENDED PRACTICES OF IESNA.  
THE PHOTOMETRIC PLAN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY (IES) APPROVED METHODS. LABORATORY TESTS ARE MADE UNDER OPTIMUM CONDITION, WITH LAMP OUTPUT AT RATED VALUE, AND IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS.  
ACTUAL ILLUMINATION LEVELS MAY DIFFER DUE TO VARIABLE FIELD CONDITIONS SUCH AS (BUT NOT LIMITED TO): VARIANCE IN LAMP LUMEN OUTPUT; LAMP TILT FACTOR; BALLAST WATTAGE OUTPUT; LINE VOLTAGE AT BALLAST; REFLECTOR SPECULARITY; LAMP LUMEN DEPRECIATION; AND LUMINAIRE DIRT DEPRECIATION.  
THE 24'-0" MOUNTING HEIGHT IS THE ACTUAL ASSEMBLY (POLE, BASE, AND FIXTURE) AND MAY DIFFER FROM THE FROM THE LUMINAIRE'S LUMINOUS APERTURE.  
THIS PLAN IS FOR RELATIVE LAYOUT AND SCOPE OF WORK PURPOSES ONLY. REFER TO SITE PLAN PREPARED BY LOCAL CONSULTANT FOR RELATIONSHIP OF THESE LUMINAIRES AND THEIR LOCATIONS TO EXISTING STRUCTURES AND REFERENCE.

Catalog #:  
Prepared By:  
Date:  
Project:  
Type:

### Slice Medium (SLM)

Outdoor LED Area Light

OVERVIEW					
Lumen Package	9,000 - 48,000				
Wattage Range	63 - 401				
Efficacy Range (LPW)	112 - 156				
Weight lbs/kg	30 (13.6)				

**QUICK LINKS**

Ordering GuidePerformancePhotometricsDimensions

**FEATURES & SPECIFICATIONS**

**Construction**

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

**Optical System**

- State-of-the-Art one piece silicone optical sheet delivers industry leading optical control with an integrated gasket to provide IP65 rated seal.
- Proprietary silicone refractor optics provide exceptional coverage and uniformity in distribution types 2, 3, SW, ET, TA and AM.
- Silicone optical material does not yellow or crack with age and provides a typical light transmittance of 93%.
- Zero uplight.
- Available in 5000K, 4000K, and 3000K color temperatures per ANSI C78.377. Also available in phosphor converted amber with peak intensity at 610nm.
- Minimum CRI of 70
- Integral louver (L) and house-side shield (H) options available for improved backlight control without sacrificing street side performance. See page 5 for more details.

**Controls**

- Optional integral passive infrared Bluetooth™ motion and photocell sensor. Fixtures operate independently and can be commissioned via iOS or Android configuration app.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

**Electrical**

- High-performance driver features over-voltage, under-voltage, short-circuit and over temperature protection.
- 0-10V dimming (0% - 100%) standard.
- Standard Universal Voltage (120-277 VAC) Input 50/60 Hz or optional High Voltage (247-480 VAC).
- L80 Calculated Life: >100k Hours (See Lumen Maintenance on page 5)
- Total harmonic distortion: <20%
- Operating temperature: -40°C to +50°C (-40°F to +122°F). 42L and 48L lumen packages rated to +40°C.
- Power factor >99
- Input power stays constant over life.
- Field replaceable 10kV surge protection device meets a minimum Category C Low voltage surge protection device.
- IP65 rated Luminaires per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications.
- IP65 rated Luminaires per IEC 60529.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

**Installation**

- A single fastener secures the hinged door, underneath the housing and provides quick & easy access to the electrical compartment.
- Included terminal block accepts up to 12 ga. wire.
- Utilizes LSI's traditional B3 drill pattern. (See drawing on page 9)

**Warranty**

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsiindustries.com/resources/terms-and-warranty.aspx> for more information.

**Listings**

- Listed to UL 1598 and UL 8750.
- Meets Buy American Act requirements.
- Title 24 Compliant: see local ordinance for qualification information.
- Suitable for wet locations.
- IP65 rated Luminaires per IEC 60598-1.
- 3G rated for ANSI C136.31 high vibration applications.
- IP65 rated Luminaires per IEC 60529.
- LSI's AirLink™ wireless control system options reduce energy and maintenance costs while optimizing light quality 24/7.

Catalog #:  
Prepared By:  
Date:  
Project:  
Type:

### Scottsdale® Legacy (CRUS)

LED Canopy Luminaire

OVERVIEW					
Lumen Package	5,000 - 22,500				
Wattage Range	38 - 152				
Efficacy Range (LPW)	114 - 156				
Weight lbs/kg	23 (10.4)				

**QUICK LINKS**

Ordering GuidePerformancePhotometricsDimensions

**FEATURES & SPECIFICATIONS**

**Construction**

- Features a ultra-slim 11/16" profile die-cast housing, with flat clear or diffused tempered glass lens. Unit is water-resistant, sealed and IP66 rated. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.
- Standard color is white and is finished with LSI's DuraGrip® polyester powder coat process. DuraGrip finish withstands extreme weather changes without cracking or peeling.
- Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards. 0-10 V dimming supplied standard with all drive currents.
- Die-cast aluminum, wet location rated driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and acts as the primary heat sink ensuring cool operation of internal components for longer life. Seals to optical housing via one-piece molded silicone gasket.
- Universal voltage power supply, 120-277 VAC, 50/60 Hz and 347-480 VAC, 50/60 HZ input.
- 40°C to 55°C (-40°F to 131°F) ambient operating temperature. (Varies based on lumen package and mounting style see performance data for specifics.)
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)
- Diffuse lens available as an option to soften brightness of the luminaire.
- LSI Lumen Packages: 5,000, 8,000, 10,000, 13,000, 18,000 and 22,000 Lumens.

**Optical System**

- Features an array of select, mid-power, high brightness, high efficiency LED, 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).
- Choice of Symmetric or Asymmetric distribution. Asymmetric provides a wider distribution pattern. Optional symmetric with diffused lens also available.
- Forward Throw distribution provides an industry leading unique distribution pattern that illuminates the area under the gas canopy and beyond. The forward throw optic directs the light to the forefront from the gas canopy illuminating the need for supplemental lighting and the luminaire.

**Hazardous Location**

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Divisions 2 only when properly installed per LSI installation instructions. See lsi.com for specific guidance. Not available on SLW.

**Installation**

- One-person installation.
- Install in a 2" or 3" deck pan. Deck penetration consists of 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SL/ECTA without having to relocate the conduit.
- Reinforce panels are available for existing Encores as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck.

**Warranty**

- LSI Luminaires carry a 5-year warranty (contact your LSI representative for extended warranty options.)

**Listings**

- UL and ETL listed to UL 1598, UL 8750 and other U.S. and international safety standards. Suitable for wet locations.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/DLC](http://www.designlights.org/DLC) to confirm which versions are qualified.
- Meets Buy American Act requirements.
- IDA compliant with 3000K or lower color temperature.

MANUFACTURER SPECIFICATION SHEET FOR CANOPY FIXTURE

5500 Greenwood Plaza Blvd. Suite 200  
Greenwood Village, CO 80111  
303.770.8884  
GallowayUSA.com

Project No:  
Sheet Scale:  
Date:  
Disc. File:

MOC9999  
1"=20'-0"  
November, 2023  
Photometric-Greenscres, R. (Forest Hill) #796

**PHOTOMETRIC SITE PLAN**

L-1.0

MURPHY USA  
GREENACRES, FLORIDA  
6272 Forest Hill Boulevard

Project No:  
Sheet Scale:  
Date:  
Disc. File:

MOC9999  
1"=20'-0"  
November, 2023  
Photometric-Greenscres, R. (Forest Hill) #796

**PHOTOMETRIC SITE PLAN**

L-1.0



ALL SIGNAGES UNDER A SEPARATE PERMIT



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ISSUE RECORD

DATE	REV.	DESCRIPTION
11/17/2023		ENTITLEMENT SET
04/22/2024		ENTITLEMENT SET
06/17/2024		ENTITLEMENT SET
11/20/2024		ENTITLEMENT SET
03/07/2025		ENTITLEMENT SET
04/10/2025		ENTITLEMENT SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE

SCOTT LOUNTS

PROJECT MANAGER

BEATA KLAK

QUALITY CONTROL

CHRIS CERBO

DRAWN BY

SS

PROJECT NAME



MURPHY OIL  
CONVENIENCE  
STORE

6270 FOREST HILL BLVD,  
GREENACRES  
FLORIDA 33145



1801 Rockdale Industrial Blvd.  
Conyers, Georgia 30012  
Voice: (800) 366-6385  
Fax: (770) 483-6037

FMS JOB NUMBER  
G25MU00042  
FMS MODEL NUMBER  
XXXXXX

PROJECT NUMBER  
20230587.5

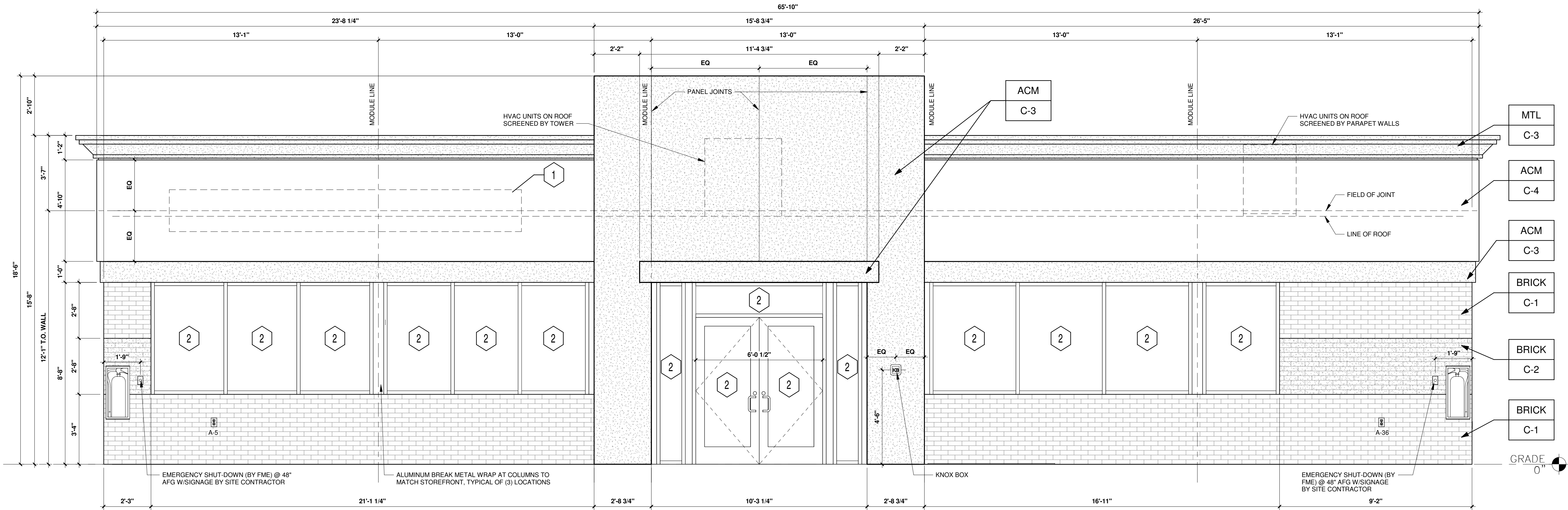
SHEET TITLE

ARCHITECTURAL  
ELEVATIONS  
(BUILDING)

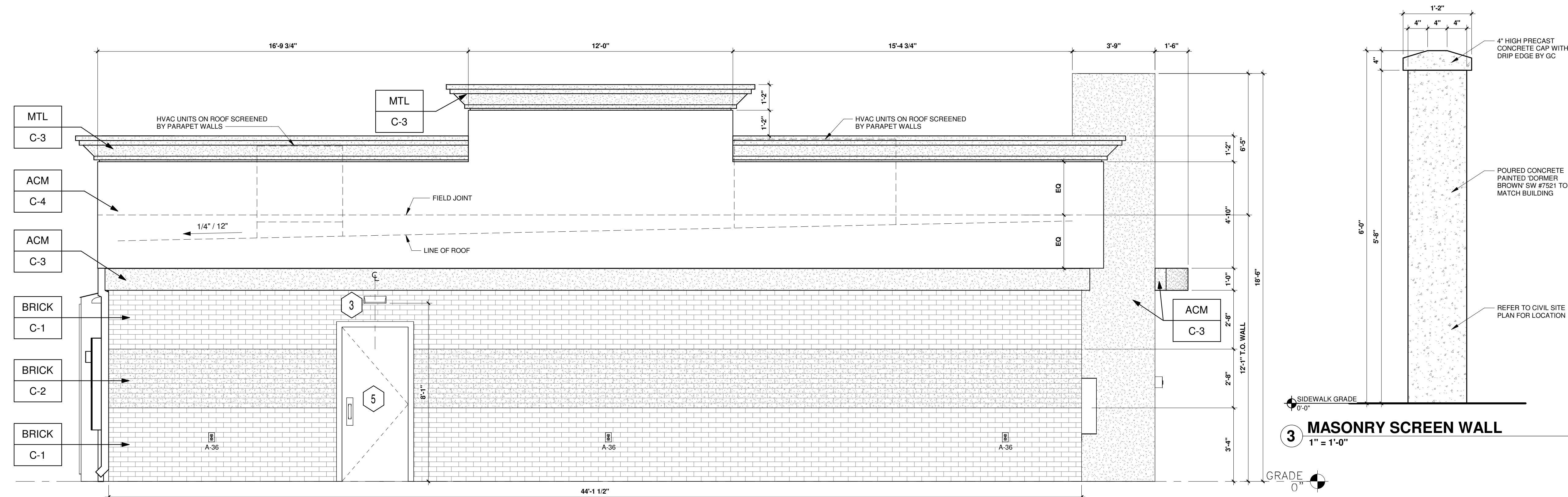
SHEET NUMBER

A01

PROTO V4.0 06/28/2024  
2800 SQ. FT. BUILDING



1 NORTH ELEVATION - FOREST HILL BOULEVARD  
3/8" = 1'-0"



2 EAST ELEVATION  
3/8" = 1'-0"

KEYED NOTES:

- ROUTED LETTER LOGO SIGNAGE BY FMS
- CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM KAWNEER, YKK OR EQUAL C-7
- EXTERIOR LIGHTING, REFER TO LIGHTING PLAN SHEET EL2
- 4" x 4" PAINTED METAL DOWNSPOUTS C-3
- DOORS (EXTERIOR SIDE) AND DOOR FRAMES PAINTED C-3
- OPEN
- OPEN

EXTERIOR FINISHES:

- |       |   |        |
|-------|---|--------|
| ACM   | ACM (3MM THICKNESS)                         | BY FMS |
| BRICK | THIN BRICK                                  | BY FMS |
| MTL   | 20 GA. SHEET METAL (UNLESS NOTED OTHERWISE) | BY FMS |

EXTERIOR PAINT/COLORS:

- |     |  |        |
|-----|--|--------|
| C-1 | THIN BRICK VENEER - LIGHT SANDSTONE VELOUR BY ENDICOTT (WIRE CUT FINISH) WITH ENDURA MAX PREBLENDED GREY COLOR GROUT | BY FMS |
| C-2 | THIN BRICK VENEER - IVORY BLEND VELOUR BY ENDICOTT (WIRE CUT FINISH) WITH ENDURA MAX PREBLENDED GREY COLOR GROUT     | BY FMS |
| C-3 | DORMER BROWN SW #7521  | BY FMS |
| C-4 | REYNOBOND #4 NATURAL BRUSHED ALUMINUM BY ARCONIC   | BY FMS |
| C-5 | OPEN   |        |
| C-6 | OPEN   |        |
| C-7 | CLEAR ANODIZED ALUMINUM STOREFRONT   | BY FMS |

3 MASONRY SCREEN WALL  
1" = 1'-0"



ALL SIGNAGES UNDER A SEPARATE PERMIT



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**PROFESSIONAL SEAL**

**PROFESSIONAL IN CHARGE**  
SCOTT LOUNTS  
**PROJECT MANAGER**  
BEATA KLAK  
**QUALITY CONTROL**  
CHRIS CERBO  
**DRAWN BY**  
SS

**PROJECT NAME**  
**MURPHY OIL CONVENIENCE STORE**  
6270 FOREST HILL BLVD,  
GREENACRES  
FLORIDA 33145



1801 Rockdale Industrial Blvd.  
Conyers, Georgia 30012  
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Fax: (770) 483-6037

FMS JOB NUMBER  
G25MU00042  
FMS MODEL NUMBER  
XXXXXX

**PROJECT NUMBER**  
20230587.5

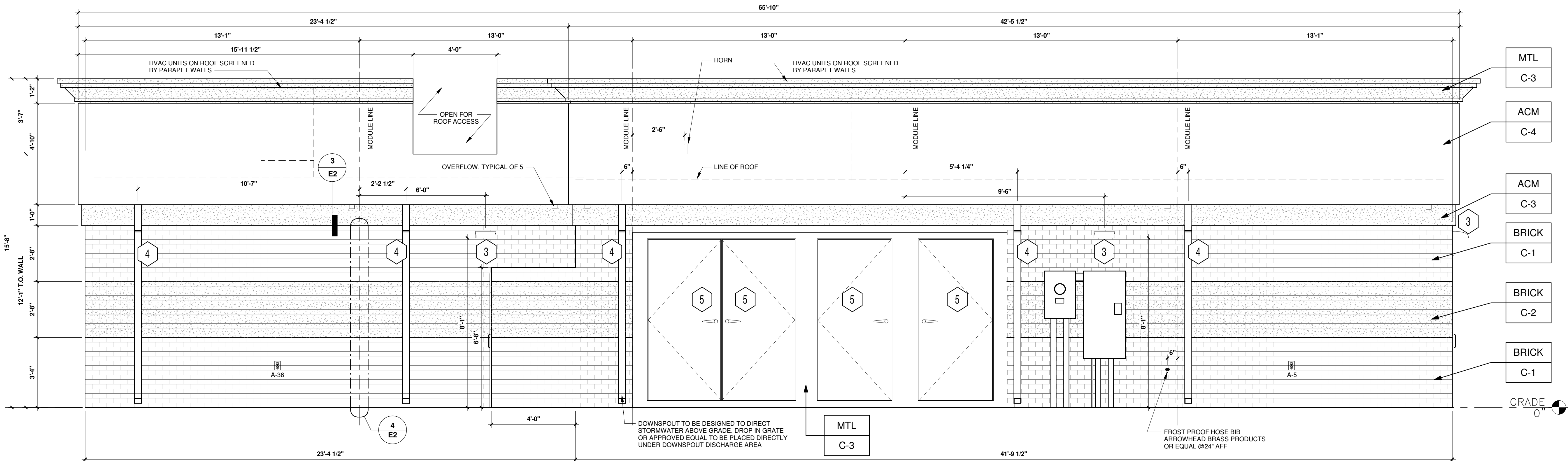
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**ARCHITECTURAL ELEVATIONS (BUILDING)**

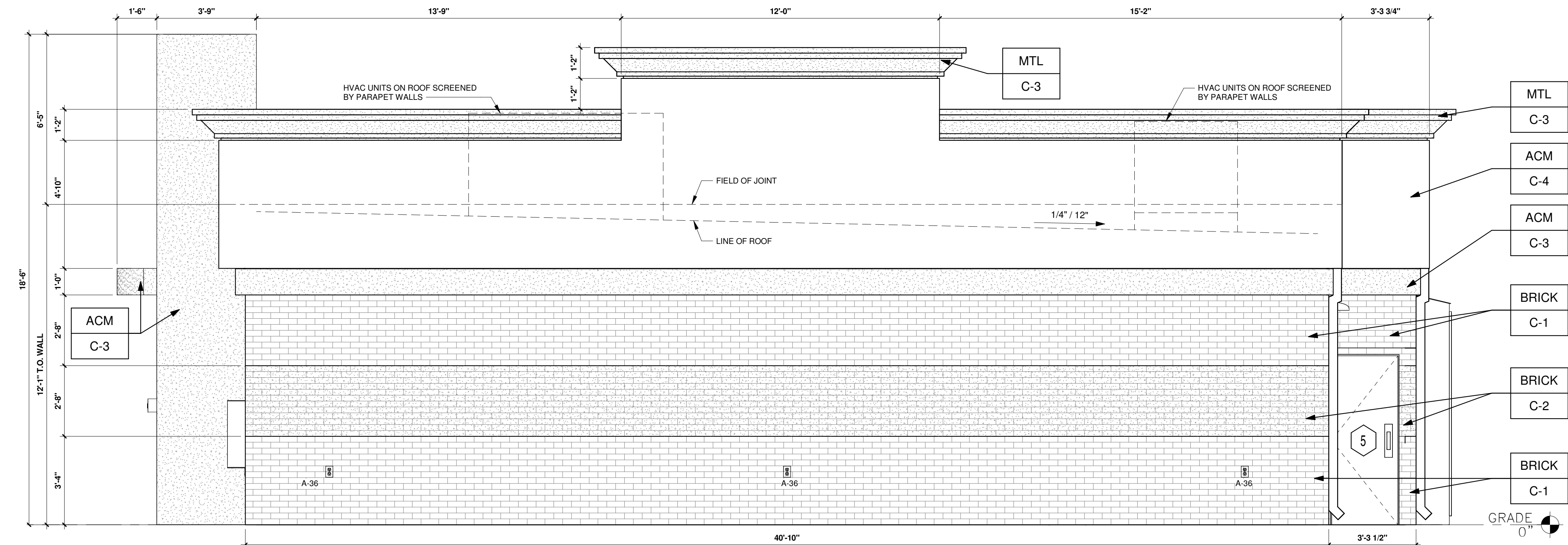
**SHEET NUMBER**

**A02**

PROTO V4.0 06/28/2024  
2800 SQ. FT. BUILDING



**1 SOUTH ELEVATION - W 20TH STREET**  
3/8" = 1'-0"



**2 WEST ELEVATION - PRIVATE DRIVE**  
3/8" = 1'-0"

**KEYED NOTES:**

- ROUTED LETTER LOGO SIGNAGE BY FMS
- CLEAR ANODIZED ALUMINUM STOREFRONT SYSTEM KAWNEER, YKK OR EQUAL C-7
- EXTERIOR LIGHTING, REFER TO LIGHTING PLAN SHEET EL2
- 4" x 4" PAINTED METAL DOWNSPOUTS C-3
- DOORS (EXTERIOR SIDE) AND DOOR FRAMES PAINTED C-3
- OPEN
- OPEN

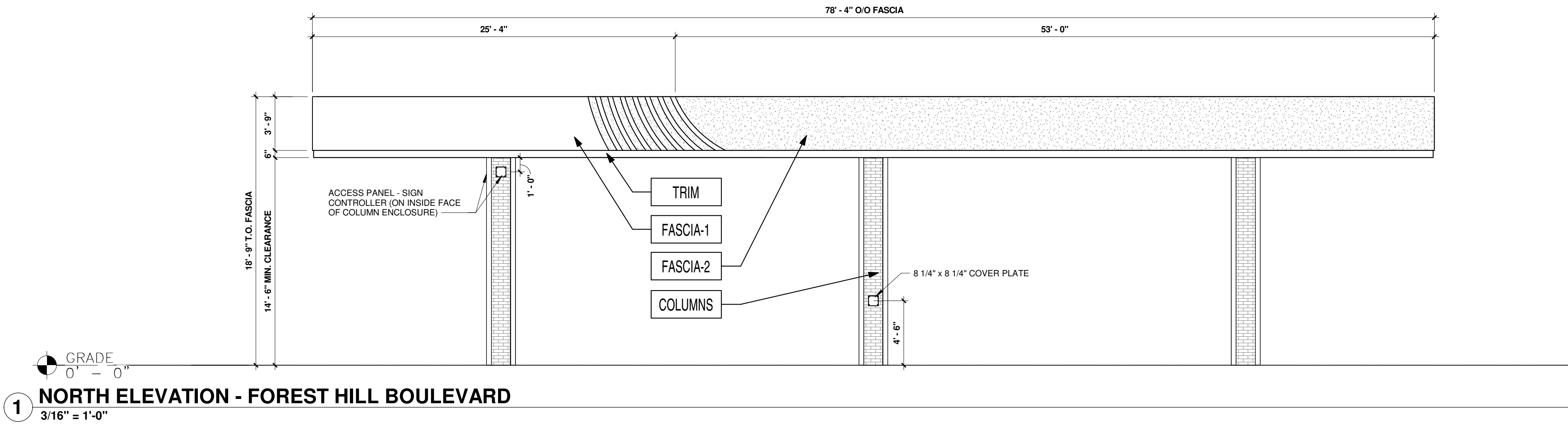
**EXTERIOR FINISHES:**

- |       |   |        |
|-------|---|--------|
| ACM   | ACM (3MM THICKNESS)                         | BY FMS |
| BRICK | THIN BRICK                                  | BY FMS |
| MTL   | 20 GA. SHEET METAL (UNLESS NOTED OTHERWISE) | BY FMS |

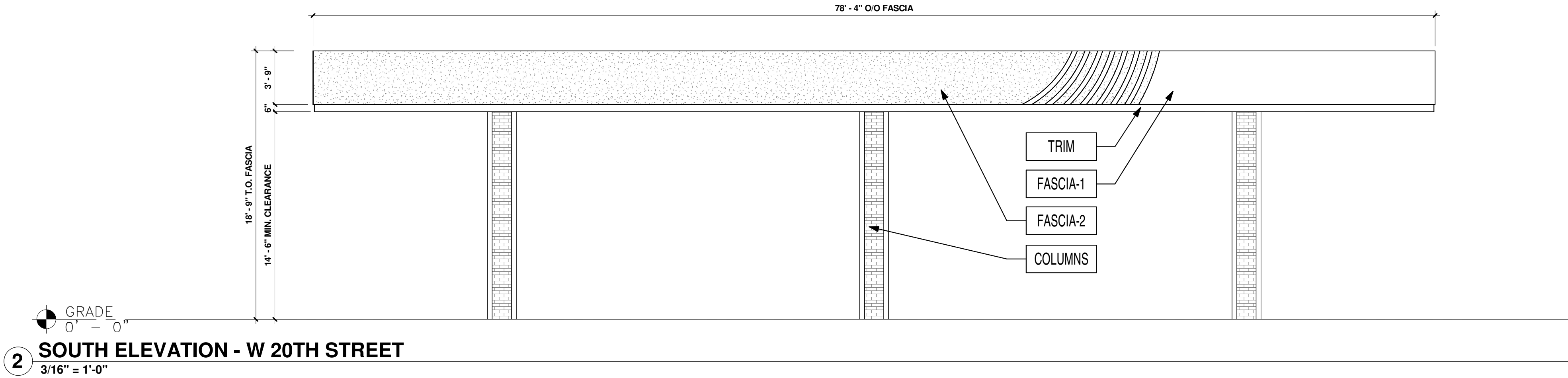
**EXTERIOR PAINT/COLORS:**

- |     |  |        |
|-----|--|--------|
| C-1 | THIN BRICK VENEER - LIGHT SANDSTONE VELOUR BY ENDICOTT (WIRE CUT FINISH) WITH ENDURA MAX PREBLENDED GREY COLOR GROUT | BY FMS |
| C-2 | THIN BRICK VENEER - IVORY BLEND VELOUR BY ENDICOTT (WIRE CUT FINISH) WITH ENDURA MAX PREBLENDED GREY COLOR GROUT     | BY FMS |
| C-3 | DORMER BROWN SW #7521  | BY FMS |
| C-4 | REYNOBOND #4 NATURAL BRUSHED ALUMINUM BY ARCONIC   | BY FMS |
| C-5 | OPEN   |        |
| C-6 | OPEN   |        |
| C-7 | CLEAR ANODIZED ALUMINUM STOREFRONT   | BY FMS |

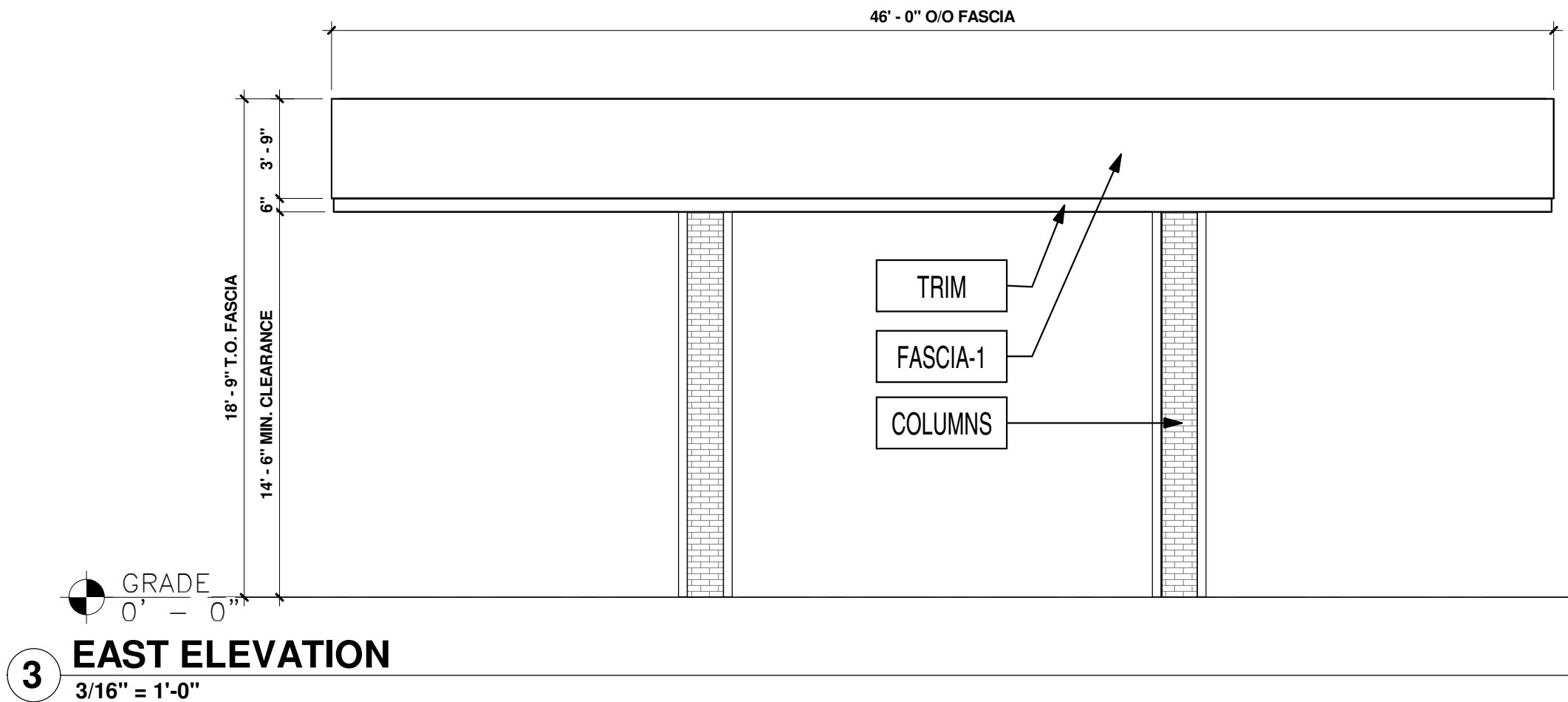




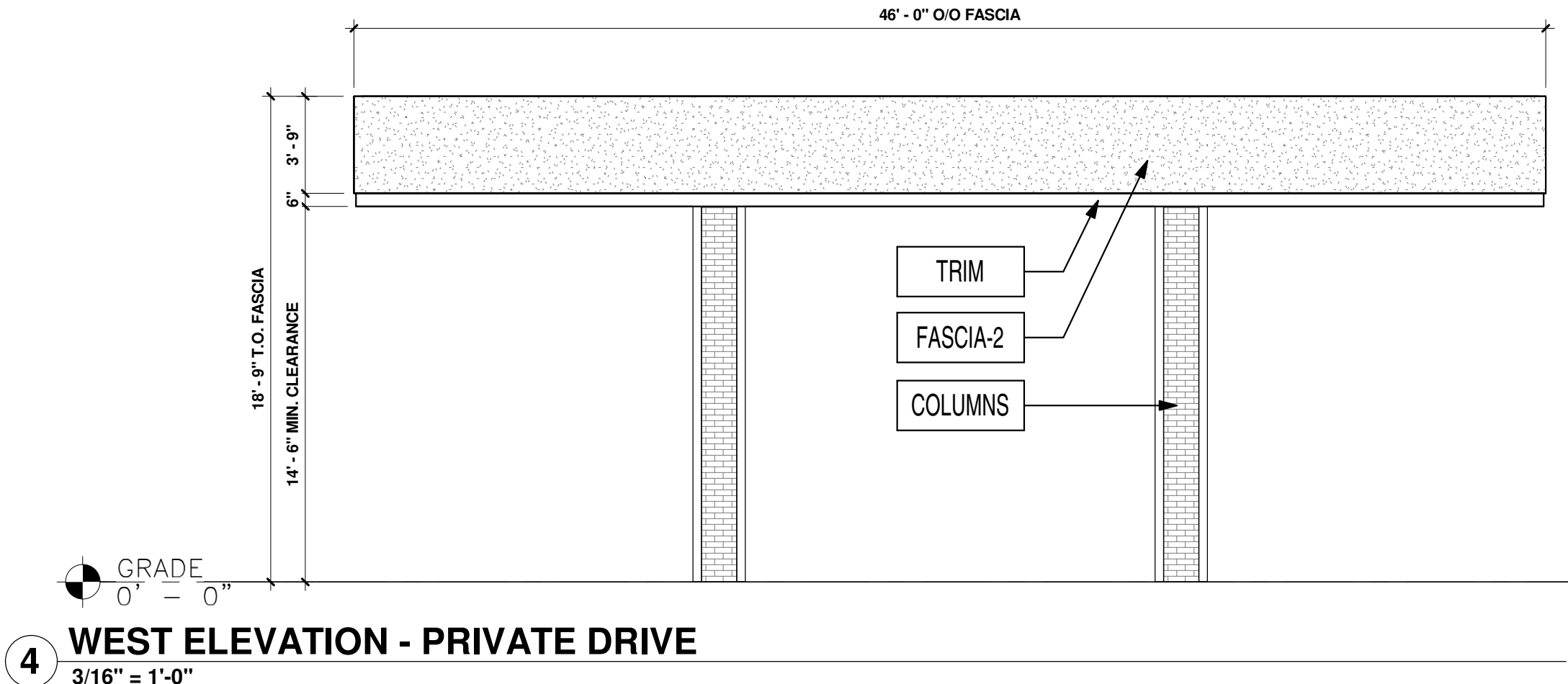
1 NORTH ELEVATION - FOREST HILL BOULEVARD  
3/16" = 1'-0"



2 SOUTH ELEVATION - W 20TH STREET  
3/16" = 1'-0"



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



4 WEST ELEVATION - PRIVATE DRIVE  
3/16" = 1'-0"

FINISH SCHEDULE			
FASCIA-1	ACM (ALUMINUM COMPOSITE MATERIAL)	ACM FASCIA "BRUSHED ALUMINUM" BY ARCONIC	FURNISHED & INSTALLED BY FMS
FASCIA-2	ACM (ALUMINUM COMPOSITE MATERIAL)	ACM FASCIA "DORMER BROWN" SW #7521	FURNISHED & INSTALLED BY FMS
TRIM	20 GA. SHEET METAL	6" HT PRE-FINISHED METAL ACCENT BAND "PURE WHITE" SW #7005	FURNISHED & INSTALLED BY FMS
COLUMNS	THIN BRICK VENEER	"LIGHT SANDSTONE VELOUR" BY ENDICOTT	FURNISHED & INSTALLED BY FMS



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ISSUE RECORD		
DATE	REV.	DESCRIPTION
11/17/2023		ENTITLEMENT SET
04/22/2024		ENTITLEMENT SET
06/17/2024		ENTITLEMENT SET
11/20/2024		ENTITLEMENT SET
03/07/2025		ENTITLEMENT SET
04/10/2025		ENTITLEMENT SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE  
SCOTT LONITS

PROJECT MANAGER  
BEATA KLAK

QUALITY CONTROL  
CHRIS CERBO

DRAWN BY  
SS

PROJECT NAME

**MURPHY  
USA**

**MURPHY OIL  
FUEL FACILITY  
CANOPY**

6270 FOREST HILL BVLD,  
GREENACRES  
FLORIDA 33145

**FREY MOSS**  
STRUCTURE

1801 Rockdale Industrial Blvd.  
Conyers, Georgia 30012  
Voice: (800) 366-6385  
Fax: (770) 483-6037

FMS JOB NUMBER  
G25MU00043

FMS MODEL NUMBER  
XXXXXX

PROJECT NUMBER  
20230587.5

SHEET TITLE

**ARCHITECTURAL  
ELEVATIONS  
(CANOPY)**

SHEET NUMBER

**A03**

PROTO V6.1 03/01/2023



ALL SIGNAGES UNDER A SEPARATE PERMIT



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04/10/2025		ENTITLEMENT SET

PROFESSIONAL SEAL

PROFESSIONAL IN CHARGE  
SCOTT LOIKTS

PROJECT MANAGER  
BEATA KLAK

QUALITY CONTROL  
CHRIS CERBO

DRAWN BY  
SS

PROJECT NAME

MURPHY  
USA

MURPHY OIL  
CONVENIENCE  
STORE

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FMS JOB NUMBER  
G25MU00042  
FMS MODEL NUMBER  
XXXXXX

PROJECT NUMBER  
20230587.5

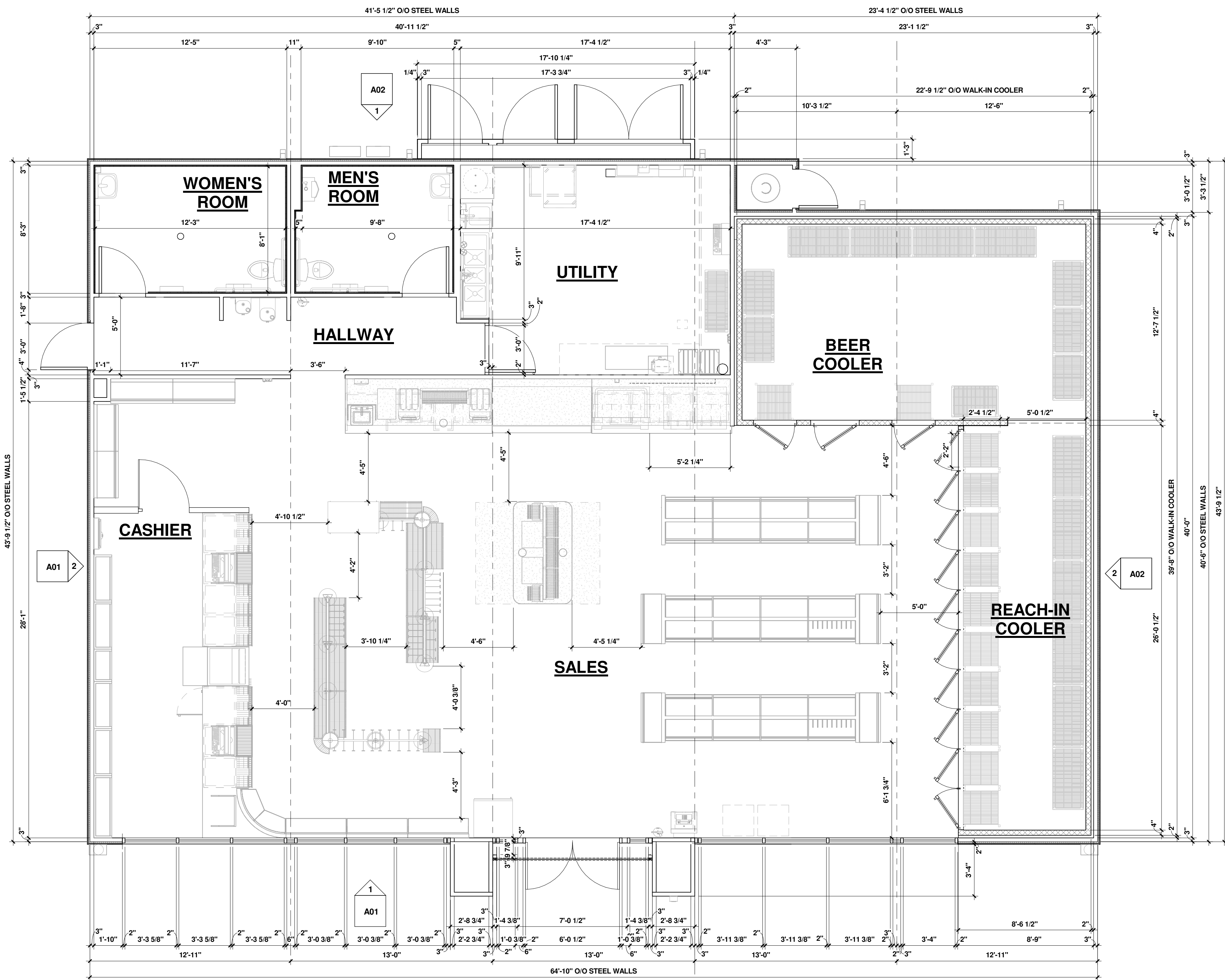
SHEET TITLE

FLOOR PLAN

SHEET NUMBER

A04

PROTO V4.0 06/28/2024  
2800 SQ. FT. BUILDING



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



