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THE WOODLANDS

PREPARED BY:



INSITE ENGINEERING, LLC.

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ABBREVIATIONS

ACQD	ACQUIRED
AC	ACRE
ALDOT	ALABAMA DEPARTMENT OF TRANSPORTATIC
AVE	AVENUE
BM	BENCH MARK
BLDG	
	BOULEVARD
CIP	CAST IRON PIPE
ፍ	CENTER LINE
CL	CLASS
CONC	CONCRETE
COR	COPNER
CES	
	CUBIC FEET PER SECOND
CY	CUBIC YARD
C & G	CURB AND GUTTER
Q	DESIGN FLOW
DIST	DISTANCE
DBL	
Πa	
DI	DUCTILE IRON PIPE
ESMT	EASEMENT
EL	ELEVATION
F	FLOW LINE
FPS	
GAL	GALLON
GPM	GALLONS PER MINUTE
GPD	GALLONS PER DAY
HDWL	HEADWALL
HWEL	HEADWATER ELEVATION
HP	
1 11 4/1	
HVVL	HIGH WATER LEVEL
HORIZ	HORIZONTAL
INV	INVERT
JCT	JUNCTION
JB	
IF	
LP	LOW POINT
MB	MAIL BOX
MH	MANHOLE
MP	MILEPOST
MGD	
	NORMAL WATER LEVEL
Ν	NORTHING
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
LB	POUND
ዊ	PROPERTY LINE
RR	RAILROAD
R	RANGE
RCP	
	REQUIRED
ROW	RIGHT OF WAY
RD	ROAD
SS	SANITARY SEWER
SEC	SECTION
SHIDR	
SD	
50	SIDE DRAIN
SY	SQUARE YARD
STA	STATION
ST	STREET
ТВМ	TEMPORARY BENCH MARK
т	
VERT	VERTICAL
VLF	VERTICAL FEET
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	
	VITRIFIED CLAY PIPE
WL	WATER LEVEL
W	WATER MAIN

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EXISTING

P Iø _____@_____ **____** _-----_____

R∕W ⊘ ———— ROW ————

_------

STANDARD LEGEND

EXISTING PROPOSED EXISTING **PROPOSED UTILITIES** \odot \bigcirc SANITARY SEWER MANHOLE SIDEWALK — X″ SS — SANITARY SEWER GRAVITY LINE (NOTE DIA. OF PIPE IF KNOWN) -----UNPAVED ROAD OR DRIVEWAY <u>a histoistoistoistoistoistoistoistoistois</u> SANITARY SEWER FORCE LINE (ARROW INDICATES FLOW) \leftarrow PAVED ROAD OR DRIVEWAY \bigotimes \otimes UTILITY MANHOLE (NOTE TYPE IN CIRCLE - P,T,ETC.) PAVED ROAD WITH GUTTER Ρ Ρ POWER JUNCTION BOX 白 DRAIN WITH HEADWALL (SIZE POWER POLE \square AND TYPE STRUCTURE NOTED) \triangle \triangle LIGHT POLE (NOTE TYPE) EXISTING BRIDGE, BOX CULVERT, OR $\mid =$ \bowtie HIGH VOLTAGE TRANSMISSION POLE OR TOWER STORM DRAIN (SIZE AND TYPE STRUCTURE NOTED) — UP —— UNDERGROUND POWER CONDUIT —— UP —— WALK BRIDGE OVERHEAD POWER LINES — P — — — P — — RAILROAD TRACK SINGLE ++++++++++ Т TELEPHONE JUNCTION BOX Т RAILROAD TRACK DOUBLE — UT — ____ UT ____ UNDERGROUND TELEPHONE CONDUIT OVERHEAD TELEPHONE LINES — T —— —____ T _____ RAILROAD MILEPOST —— T&P —— —— T&P —— OVERHEAD TELEPHONE AND POWER LINES 0 0 OUTDOOR ADVERTISING SIGN Θ \rightarrow GUY POLE MASONRY WALL (NOTE TYPE) UTILITY POLE ANCHOR ∽--- \frown \square MAILBOX GAS LINE MARKER (NOTED) θ \ominus GAS METER CLOTHES LINE AND POLES (NOTED) o_____0 — X″G — GAS LINE (NOTE DIA. OF PIPE IF KNOWN) _____ • WELL G G GAS VALVE \cdots LEVEE OR EARTH DAM \bigotimes WATER VALVE (\mathbb{V}) WOOD FENCE **___** WATER LINE (NOTE DIA. OF PIPE IF KNOWN) HOG WIRE OR BARBED WIRE FENCE _____X___ \oplus \oplus WATER METER \bigcirc ဝွာ FIRE HYDRANT **____** CHAIN LINK FENCE DROP INLET (NOTED)

<u>NATURAL</u>

TREES. (DRAW DOT TO SCALE OF TREE)
HEDGES OR SHRUBBERY
SHRUB
FLOWER BED, GARDEN, OR ROCK GARDEN (NOTED)
LAKE OR POND
SWAMP, MARSH, ETC.
DITCH OR STREAM (ARROW INDICATES DIRECTION OF FLOW)
EARTH
ROCK

N 9,952.45

E 9,439.16

NORTHING & EASTING

WATTLE DITCH CHECK DAM

DOUBLE WING CURB INLET

SINGLE WING CURB INLET

SILT FENCE

HEADWALL

DRAINAGE CALLOUT

PROFILE SHEET NUMBER-

STRUCTURE NUMBER -

<u>PROPOSED</u>

Pl 🖉 _____ ዊ _____ _-----_____ R/W 🛛 —— ROW —— _.._..

<u>SURVEY</u>

PROPERTY IRON (SIZE AND TYPE NOTED) PROPERTY LINE SECTION CORNER OR 1/4 SECTION CORNER IRON (SIZE, TYPE, AND DESCRIPTION NOTED) 1/4 OR 1/4 - 1/4 SECTION LINE SECTION LINE RIGHT OF WAY MONUMENTS (NOTED FOR EXISTING) ROW LINE CONSTRUCTION LIMITS EASEMENT CONSTRUCTION EASEMENT

NORTH ARROW

Know what's **below.** Call before you dig.



PROJECT SPECIFIC NOTES

- 1. FLOOD HAZARD RISK, IF ANY, ASSOCIATED WITH THIS PROPERTY MAY BE FOUND IN THE DETAILED DRAINAGE REPORT. THIS INFORMATION HAS BEEN OBTAINED FROM THE FEMA MAPPING SERVICE AND FOR FURTHER INFORMATION SEE THE APPROPRIATE FEMA FLOOD PANEL.
- 2. A SUBSURFACE INVESTIGATION HAS NOT BEEN DONE. INSITE ENGINEERING, LLC ALWAYS RECOMMENDS OBTAINING A GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION. FILL COMPACTION REQUIREMENTS, FILL TYPE REQUIREMENTS, AND PAVEMENT BUILD UPS SHOULD BE DIRECTED AND PROVIDED BY THE GEOTECHNICAL ENGINEER.
- 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT SUBDIVISION REGULATIONS AND DESIGN STANDARDS OF THE GOVERNING AUTHORITY.
- 4. CONTRACTOR IS RESPONSIBLE FOR BUILDING SITES FREE OF DRAINAGE PROBLEMS DUE TO ANY DEVIATION FROM THE DESIGN PLANS.
- 5. GOVERNING AUTHORITIES ARE NOT RESPONSIBLE FOR ANY DRAINAGE EASEMENT OUTSIDE THE PUBLIC RIGHT-OF-WAY.
- 6. THE GOVERNING AUTHORITY IS NOT, NOR EVER WILL BE, RESPONSIBLE FOR MAINTENANCE OF PRIVATE ROADS, EASEMENTS, OR AREAS OFF PUBLIC RIGHTS OF WAY.
- 7. CONTRACTOR SHALL NOTIFY GOVERNING AUTHORITIES A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY WORK WITHIN THE RIGHT-OF-WAY OF EXISTING ROADS.
- 8. ALL FEMA, USACE, COUNTY, AND/OR STATE PERMITS SHALL BE IN HAND AND ON SITE DURING THE CONSTRUCTION OF THE PROJECT.
- 9. A SIGNED AND SEALED COPY OF THE PLANS SHALL BE MAINTAINED ON SITE AND MADE READILY AVAILABLE FOR THE DURATION OF THE CONSTRUCTION.
- 10. CONTRACTOR SHALL KEEP A MARKED UP SET OF PLANS SHOWING ALL CHANGES, DIMENSIONS, ETC. TO PROVIDE TO THE ENGINEER AFTER THE JOB IS COMPLETE AND CAPABLE OF BEING UTILIZED AS AS-BUILT DRAWINGS FOR FUTURE LOCATES.

GENERAL NOTES

- 1. CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, MECHANICAL, STRUCTURAL, ELECTRICAL, AND OTHER DRAWINGS. ANY DISCREPANCIES BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 2. UNDERGROUND UTILITY LOCATIONS SHOWN ARE FROM UTILITY COMPANY RECORDS OR FROM LINE LOCATOR MARKS AND ARE SHOWN IN APPROXIMATE MANNER ONLY. CONTRACTOR SHALL FIELD VERIFY THE EXISTENCE, LOCATION, SIZE, AND TYPE OF ANY AND ALL UTILITY LINES PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES AS A RESULT OF THEIR CONSTRUCTION OPERATIONS.
- 3. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION METHODS, SEQUENCES, PROCEDURES, AND JOB SITE SAFETY, THE CONTRACTOR SHALL TAKE ALL MEANS NECESSARY TO MAINTAIN AND PROTECT THE INTEGRITY OF ALL CONSTRUCTION (NEW AND EXISTING) AT ALL STAGES. ENGINEER ASSUMES NO LIABILITY FOR SAFETY ON THE JOB SITE.
- 4. ALL UTILITIES WITHIN ROADWAY SHALL BE BACKFILLED COMPLETELY WITH STONE UNLESS OTHERWISE DIRECTED BY THE GEOTECHINAL ENGINEER OR THE GOVERNING AUTHORITY.
- 5. ALL AREAS WHICH WILL LIE UNDER NEW STRUCTURES, PAVING, CONCRETE, OR WALKWAYS SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.
- 6. ALL PERMITS, OTHER THAN THOSE LISTED IN THE SPECIFICATIONS, FOR THE DEVELOPMENT OF THESE PLANS ARE THE CONTRACTORS RESPONSIBILITY AND SHOULD BE OBTAINED PRIOR TO DISTURBING ANY AREAS OR BEGINNING ANY CONSTRUCTION.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND LEGAL DISPOSAL OF ALL MATERIALS AND DEBRIS NOT ACCEPTABLE TO THE OWNER
- 8. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONCURRENT WORK BEING PERFORMED IN THE AREA.

GRADING NOTES

- 1. CONTRACTOR SHALL MAINTAIN 2% SLOPE ON ALL SIDEWALKS.
- 2. EMBANKMENTS WITHIN THE RIGHT-OF-WAY SHALL BE CONSTRUCTED IN MAX. 10" LIFTS AND MIN. 98% COMPACTION (AASHTO T - 180) UNLESS OTHERWISE DIRECTED BY GEOTECHNICAL ENGINEER.
- 3. NO WORK TO BE DONE IN EITHER ALDOT OR COUNTY RIGHT-OF-WAY UNTIL ALL APPROPRIATE PERMITS ARE PROVIDED TO THE CITY.
- 4. CITY ENGINEER TO BE PROVIDED AT LEAST 48 HOURS NOTICE PRIOR TO THE STARTING OF EACH PHASE OF WORK.
- 5. ALL PERMITS/APPROVALS BY ADEM, ALDOT, FEMA, CORPS OF ENGINEERS WILL BE REQUIRED PRIOR TO DISTURBING AREAS UNDER JURISDICTIONS OF SUCH PERMITS.
- 6. THERE SHALL BE NO LAND DISTURBING ACTIVITY UNTIL PROOF OF ADEM NOR COVERAGE IS PROVIDED TO THE CITY AND ADEQUATE EROSION CONTROL MEASURES ARE IN PLACE.
- 7. ELEVATIONS SHOWN ARE FINISHED GRADE. THE CALCULATION OF THE APPROPRIATE SUBGRADE ELEVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. SUBGRADE ELEVATIONS SHALL VARY IN ACCORDANCE WITH THE SURFACE TREATMENT FOR ON THESE PLANS (I. E. ASPHALT PAVEMENT, CONCRETE PAVEMENT, SIDEWALK, TOPSOIL, ETC.) AND THE RELATED SECTIONS OR DETAILS.
- 8. CONTRACTOR SHALL TIE PROPOSED PAVING INTO EDGE OF EXISTING PAVING. CONTRACTOR SHALL ADJUST CROSS SECTION AS REQUIRED TO ENSURE SMOOTH PAVEMENT TRANSITIONS AND POSITIVE DRAINAGE. CURB AND GUTTER SHALL BE WORKMANLIKE, SMOOTH, AND ENSURE POSITIVE DRAINAGE.
- 9. ALL CUT AND FILL SIDE SLOPES ARE 3:1 UNLESS NOTED OTHERWISE. UNLESS OTHERWISE DIRECTED BY GEOTECHNICAL ENGINEER.
- 10. CLEARING LIMITS TO BE 5' OUTSIDE OF TOE AND TOP OF SLOPE.
- 11. CONTRACTOR SHALL OVER EXCAVATE ALL PONDS BY ADEQUATE AMOUNT IN ORDER TO ALLOW FOR SEDIMENTATION OF THE WATER ENTERING THE DETENTION FACILITIES. THIS BOTTOM SHALL BE RESTORED TO ELEVATIONS DETAILED ON SHEETS PO-1 UPON COMPLETION AND STABILIZATION OF THE SITE.
- 12. DIMENSIONS AND RADII ARE SHOWN TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- 13. ELEVATION SPOTS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 14. PAD ELEVATIONS AS REFLECTED IN THE GRADING PLAN ARE DEVELOPED BASED ON THE ASSUMTION THAT THE FINISH FLOOR OF THE STRUCTURE SHALL BE A MIN 1' HIGHER.

EROSION CONTROL NOTES

- 1. ALL EROSION CONTROL PERMITS FOR THE DEVELOPMENT OF THESE PLANS SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO ANY GROUND DISTURBANCE.
- 2. EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO BEGINNING ANY OTHER CONSTRUCTION ON THE JOB SITE.
- 3. CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MAINTAINING, AND REMOVING ALL EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES AS SHOWN ON THESE DRAWINGS OR REQUIRED BY LOCAL, STATE, AND/OR FEDERAL REGULATORY AUTHORITIES.
- 4. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE DRAWINGS ARE CONSIDERED THE MINIMUM ACCEPTABLE AND SHALL BE MODIFIED IN THE FIELD AS NECESSARY TO COMPLY WITH LOCAL, STATE, AND/OR FEDERAL REQUIREMENTS.
- 5. EROSION CONTROL MEASURES MUST BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED AND THE NPDES PERMIT IS TERMINATED.
- 6. ALL DISTURBED AREAS NOT SHOWN TO BE LANDSCAPED SHALL BE SEEDED & MULCHED AS PER LOCAL STANDARDS AND SPECIFICATIONS.
- 7. CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATING TO THE ONSITE STORAGE OF FUEL, OIL, AND GREASE. AN SPCC PLAN MUST BE MAINTANED AND IMPLEMENTED ON SITE.
- 8. STREAMS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR HEAVY EQUIPMENT. CROSSINGS SHALL BE LIMITED TO ONE POINT AND EROSION CONTROL MEASURES MUST BE UTILIZED WHERE STREAM BANKS AND DRAINAGE DITCHES ARE DISTURBED.



EROSION CONTROL SEQUENCE

ALL CONSTRUCTION SHALL BE DONE IN A LOGICAL SEQUENCE SO TO MINIMIZE THE AREA OF DISTURBANCE.

- **1. OBTAIN REQUIRED PERMITS**
- 2. STAKE PROPERTY LINES AND CLEARING LIMITS.
- 3. SELECTIVELY CLEAR PATH AS REQUIRED TO INSTALL SILT FENCING AND PERIMETER EROSION CONTROL MEASURES.
- 4. INSTALL SILT FENCES ALONG SIDE SLOPE BOUNDARIES.
- 5. INSTALL STONE ENTRANCE DRIVE.
- 6. PROTECT STORM DRAIN INLETS DOWNSTREAM OF CONSTRUCTION WITH HAY BALES, WATTLES, SILT FENCE AND/OR OTHER PROTECTIVE MEASURES. 7. INSTALL OTHER REQUIRED EROSION CONTROL MEASURES DOWNSTREAM
- OF PROJECT AREA.
- 8. PERFORM CLEARING AND GRUBBING.
- 9. INSTALL SILT FENCE AROUND STOCKPILES.
- 10. BEGIN EARTHWORK AND CONSTRUCT PROJECT.
- 11. MODIFY AND MAINTAIN EROSION CONTROL AS REQUIRED DURING CONSTRUCTION.
- 12. INSPECT ALL EROSION CONTROL MEASURES AFTER EVERY 0.50" RAINFALL. COPIES OF ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE PROPER AUTHORITIES IN ACCORDANCE WITH APPLICABLE PERMITS.
- 13. TEMPORARILY OR PERMANENTLY STABILIZE STRIPPED AREAS AND STOCKPILES LEFT INACTIVE FOR 14 OR MORE CALENDAR DAYS.
- 14. REMOVE ANY SEDIMENT REACHING PUBLIC OR PRIVATE ROADWAYS BY STREET CLEANING BEFORE THE END OF EACH DAY. FLUSHING OF STREETS WILL NOT BE ALLOWED
- 15. INSTALL TEMPORARY SEDIMENTATION PONDS OR DIVERSION BERMS AS NEEDED TO CONTROL THE FLOW OF WATER AND COLLECTION OF SEDIMENT DURING THE PROJECT.
- 16. COMPLETE FINE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING.
- 17. COMPLETE FINAL PAVING FOR ROADS.
- 18. REMOVE SILT FENCE UPON COMPLETION OF ALL CONSTRUCTION ACTIVITY. 19. RESEED AND STABILIZE ANY BARE SPOTS OR WASHOUTS. 20. TERMINATE ALL PERMITS.

EROSION CONTROL PLAN AND PERFORMANCE STANDARDS

- 1. THE EROSION CONTROL PLAN SHALL CONTAIN A DESCRIPTION OF THE EXISTING SITE CONDITIONS, A DESCRIPTION OF ADJACENT TOPOGRAPHICAL FEATURES, INFORMATION NECESSARY TO DETERMINE THE EROSION QUALITIES OF THE SOIL ON THE SITE, POTENTIAL PROBLEM AREAS OF SOIL EROSION AND SEDIMENTATION, SOIL STABILIZATION SPECIFICATIONS, STORM WATER MANAGEMENT CONSIDERATIONS, PROJECTED TIME SCHEDULE FOR COMMENCEMENT AND COMPLETION OF THE LAND-DISTURBING ACTIVITY, SPECIFICATIONS FOR BMP PLAN MAINTENANCE DURING THE PROJECT AND AFTER THE COMPLETION OF THE PROJECT, CLEARING AND GRADING LIMITS, AND ALL OTHER INFORMATION NEEDED TO DEPICT ACCURATELY THE SOLUTIONS TO POTENTIAL SOIL EROSION AND SEDIMENTATION PROBLEMS TO THE MS4. THE CONTROL PLAN SHALL INCLUDE THE SERIES OF BMP'S AND SHALL BE REVIEWED BY, AND SUBJECT TO THE APPROVAL OF, THE OFFICIAL PRIOR TO THE ISSUANCE OF THE PERMIT.
- 2. CONTROL MEASURES SHALL BE MAINTAINED AS AN EFFECTIVE BARRIER TO SEDIMENTATION AND EROSION IN ACCORDANCE WITH THIS PLAN.
- 3. THERE SHALL BE NO DISTINCTLY VISIBLE FLOATING SCUM, OIL OR OTHER MATTER CONTAINED IN THE STORM WATER DISCHARGE. THE STORM WATER DISCHARGE TO AN MS4 MUST NOT CAUSE AN UNNATURAL COLOR (EXCEPT DYES OR OTHER SUBSTANCES DISCHARGED TO AN MS4 FOR THE PURPOSE OF ENVIRONMENTAL STUDIES AND WHICH DO NOT HAVE HARMFUL EFFECT ON THE BODIES OF WATER WITHIN THE MS4) OR ODOR IN THE COMMUNITY WATERS. THE STORM WATER DISCHARGE TO THE MS4 MUST RESULT IN NO MATERIALS IN CONCENTRATIONS SUFFICIENT TO BE HAZARDOUS OR OTHERWISE DETRIMENTAL TO HUMANS, LIVESTOCK, WILDLIFE, PLANT LIFE OR FISH AND AQUATIC LIFE IN THE COMMUNITY WATERS.



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L L



RAY & GILL	ILAND, P.C.
122 NORTH CALHOUN STREET P.O. BOX 1183	TEL NO. (256) 245-3243 FAX NO. (256) 245-3202
SYLACAUGA, ALABAMA 35150	FILE: BURNT PINE
DRAWN BY: JMR	SCALE: 1" = 60'
BOUNDARY SURVEY	

SCALE 1"=60' BEARING BASED ON STATE PLANE WEST ZONE NAD 83 ELEVATIONS BASED ON NAVD 88 FIELD WORK AUGUST 2022 BOUNARY/TOPOGRAPHIC SURVEY

I, James M. Ray, a Registered Land Surveyor in the State of Alabama, hereby certify that all parts of this survey and plat (or drawing) have been completed in accordance with the requirements of the Standards for the Practice of Surveying in the State of Alabama.

According to my survey this the 7th day of SEPTEMBER 2022.

Note: No title search of the public records has been performed by this firm and land shown hereon was not abstracted for easements and /or rights-of-way, recorded or unrecorded. The parcel shown hereon is subject to setbacks, easements, zoning, and restrictions that may be found in the public Underground portions of foundations and footings and/or other underground structures, utilities, cemeteries or burial sites were not located unless otherwise noted. We do not look for underground



Minimum livable floor area: One-story dwelling 1,400 square feet More than one-story dwelling: First floor 1,000 square feet Total dwelling 1,600 square feet Maximum building height 35 feet

Parcel Num: 23 2 09 0 001 001.038 Name: ADAIR MATTHEW STEVEN & MICHELLE L Address: 101 FOREST RIDGE RD



City: MAYLENE ZONED R-3







″ REBAF

PLACE



SCALE: 1"= 60'

SHEET 4 OF 22



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PAVEMENT	LEGEND
1	1" SUPERPAVE BITUMINOUS CONCRETE WEARING SI 3/4" MAXIMUM AGGREGATE SIZE MIX, ESAL RANGE C
2	TACK COAT
3	2" SUPERPAVE BITUMINOUS CONCRETE UPPER BIND WIDENING, 1" MAXIMUM AGGREGATE SIZE MIX @ 275 ESAL RANGE C/D
4	OMIT
5	8" CRUSHED AGGREGATE BASE (TO BE PLACED IN
6	SUBGRADE TO BE ANALYZED & DESIGNED TO PR SUPPORT SUBGRADE COMPACTION TO BE 100%
7	TOP SOIL
8	BORROW/FILL
9	BITUMINOUS TREATMENT TYPE A





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EQ'D. INLET SINGLE WING) TA. 6+49.39, LINE SL-100A	· · · · · · · · · · · · · · · · · · ·			
A. = 0.61 ACRES ₂₅ = 2.20 CFS OP EL. = 610.13+/-	620		620	
105 DR-1	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·
E SL-100A 3	610		610	102 REQ'D. INLE
7/- 04 R-1	· · · · · · · · · · · · · · · · · · ·			DR-1/ (SINGLE WII STA. 0+00.00 STA. 2+39.49
	F 600		600	D.A. = 0.11 A Q ₂₅ = 0.71 C TOP EL. = 5
29.25 CP. CL 18" RCP. CL 18" RCP. SLC 0F3 @ 4.00% SLC	JPE			
106.65 L.F. CLOPE 2109 106.76 P. SLOPE 109 11	590	101 REQ'D. INLET DR-1/ (SINGLE WING)	590	//- 25 YR
	· · · · · · · · · · · · · · · · · · ·	STA. 0+00.00, LINE SL-100B = STA. 0+49.49, LINE SL-100A D.A. = 0.14 ACRES		DR-1 (S
ν Ψ Ζ Ζ	580	Q ₂₅ = 0.91 CFS TOP EL. = 555.72+/-	580	
	570		570	
	· · · · · · · · · · · · · · · · · · ·	107 REQ'D. INLET DR-1 (SINGLE WING) STA. 0+32.99, LINE SL-100B		27.01 L.F. OF 18" RCP, CL. 3 @ 2.00% SLOPE
	560	D.A. = 1.23 ACRES Q ₂₅ = 4.13 CFS TOP EL. = 556.86+/-	560	L. 568.51 L. 568.51 L. 570.38
	· · · · · · · · · · · · · · · · · · ·	108 REQ'D. HEADWALL DR-1 STA. 0+66.02, LINE SL-100B		
	550	$Q_{25} = 6.88 \text{ CFS}$	550	8 8 8 8 8
	540	@ 1.42% SLOPE 28.99 L.F. OF 24" RCP, CL. 3	540	
	· · · · · · · · · · · · · · · · · · ·	30" RCP 30" RCP 550.00 347.		· · · · · · · · · · · · · · · · · · ·
	530		530	
	· · · · · · · · · · · · · · · · · · ·	PROFILE - SL-100B		PROFILE
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		1. A
IONS:	A "SERVICE CONNECTION" INCLUDES THE PIPE, FITTINGS, AND MISCELLANEOUS ITEMS REQUIRED TO DELIVER WATER FROM THE MAIN TO THE WATER METER. A SERVICE CONNECTION GENERALLY CONSISTS OF A TAPPING SADDLE WITH CORPORATION STOP, SERVICE LINE, AND METER BOX WITH CURB STOP WITH AN APPROVED METER AND BACKFLOW PREVENTION DEVICE. THESE ITEMS ARE DESCRIBED WITH MORE DETAIL HEREIN BELOW. ALL SERVICE FITTING SHALL BE	2. U W
	NO LEAD BRASS FITTINGS EQUIPPED WITH MECHANICAL JOINT CONNECTIONS. AWB REQUIRES CORPORATION STOPS MANUFACTURED BY FORD BRASS WITH Q-NUT AND CURB STOPS MANUFACTURED BY FORD BRASS TYPE B43-232W-Q.	3. P
	1) TAPPING SADDLE SHALL BE A BRASS DOUBLE STRAPPED TYPE WITH BOLTED CONNECTION ON THE STRAPS FOR SIZES ."(IN) UP TO 2"(IN) SIZE. THE TAPPING SADDLE SHALL BE OF TYPE APPROVED BY THE BOARD. A CORPORATION STOP (MINIMUM ."(IN) SIZE) SHALL BE INSTALLED ON THE TAPPING SADDLE.	4. W S
	2) SERVICE LINE SHALL BE REHAU MUNICIPEX OR PRE APPROVED EQUIVALENT. IT SHALL BE UTILIZED WITH STAINLESS STEEL INSERTS AT CONNECTIONS. TYPE "K" COPPER IS NOT ALLOWED. SERVICE LINES SHALL EXTEND FROM THE CORPORATION STOP ON THE TAPPING SADDLE TO THE METER DEVICE DATE OF DEVICE LINES THAT EXTEND FOR DATE OF DEVICE AND A DEPARTMENT OF DEVICE AND A DEPARTMENT OF DEVICE AND A DEPARTMENT.	5. A
	METER BOX CURB STOP. SERVICE LINES THAT EXTEND ONDER ROADWAYS OR DRIVEWAYS SHALL BE PLACED INSIDE A PVC CASING. THE CASING SHALL HOUSE ONE SERVICE LINE AND SHALL BE A MINIMUM SIZE OF TWICE THE SERVICE LINE DIAMETER SIZE. SUCH CASING PIPE SHALL EXTEND TO AT LEAST SEVEN FEET BEYOND THE BACK OF CURB ON EACH SIDE OF THE ROADWAY, BUT NOT UNDER THE EXISTING OR PROPOSED SIDEWALK OR DRIVEWAY. THE TRENCH FOR CASING SHALL BE COMPLETELY BACKFILLED WITH CRUSHED STONE. THE DIAMETER OF SERVICE LINES SHALL BE	6. W B
	AS FOLLOWS:	7. E A
	A) STANDARD RESIDENTIAL DEVELOPMENT - SERVICE LINES WILL SUPPLY ONLY ONE METER . SERVICE LINES SHALL BE AT LEAST . ""(IN) DIAMETER. WATER SHUT-OFF VALVES ON THE SERVICE LINES SHALL BE ."(IN) LEAD FREE BRASS WITH LOCK-WING DEVICES.	8. A
	B) ESTATE LOT DEVELOPMENT - SERVICE LINES WILL SUPPLY ONLY ONE METER. SERVICE LINES SHALL BE AT LEAST 1" (IN) DIAMETER. WATER SHUT-OFF VALVES ON THE SERVICE LINES SHALL BE 1"(IN) LEAD FREE BRASS WITH LOCK-WING DEVICES.	9. W E
	C) COMMERICAL DEVELOPMENT - SERVICE LINES WILL SUPPLY ONLY ONE METER. SERVICE LINES SHALL BE AT LEAST 1" (IN) DIAMETER. WATER SHUT-OFF VALVES ON THE SERVICE LINES SHALL BE 1"(IN) LEAD FREE BRASS WITH LOCK-WING DEVICES. AWB MAY REQUIRE A LARGE DIAMETER SERVICE LINE SHOULD IT BE REQUIRED BY THE CONDITIONS AT A PARTICULAR SERVICE.	10. / 11 ⁻
	3) METER BOX SHALL MEET THE CURRENT BOARD REQUIREMENTS FOR LATERALS AND SIZE. A LOCKING TYPE CURB STOP (SEE ABOVE FOR SIZE) SHALL BE INSTALLED AT THE END OF THE SERVICE LINE IN THE METER BOX. THE METER BOX SHALL BE LOCATED AT THE RIGHT-OF-WAY BOUNDARY. IN NEW DEVELOPMENTS THE METER BOX SHALL ALSO BE LOCATED AT THE CENTER OF THE LOT FRONTAGE. THE WATER METERS WILL BE INSTALLED BY THE AWB AFTER THE FEES AND ACCOUNTS ARE SETUP BY THE CUSTOMER.	12.
	4) ALL .75"(IN) AND 1"(IN) FIRE LINES ARE REQUIRED TO BE METERED. FOR LARGER SIZE FIRE LINES THE OPERATIONS MANAGER MUST APPROVE PROPOSED PLANS.	
	5) BACKFLOW PREVENTION IS REQUIRED ON ALL TAPS. BACKFLOW PREVENTION AND TYPES MUST BE APPROVED AND INSTALLED AT A LOCATION AS DIRECTED BY THE OPERATIONS MANAGER.	
	6) COMMERCIAL DOMESTIC AND IRRIGATION FLOWS SHALL BE PROVIDED WITH THE PLANS TO ALL FOR THE PROPER METER SIZING. A METER SIZE WILL NOT BE GIVEN UNTIL THE FLOWS ARE PROVIDED.	13., 14. ⁻
	HOUSE SERVICE LINES FROM THE METER TO THE CUSTOMER ARE THE PROPERTY OF THE CUSTOMER. A SEPARATE SHUTOFF VALVE WILL BE INSTALLED OUTSIDE THE METER BOX BY THE CUSTOMER. THE CUSTOMER SHALL BE RESPONSIBLE FOR SIZING AND MAINTAINING THE HOUSE SERVICE LINES TO MEET THE CUSTOMERS NEEDS. AWB SHALL NOT BE RESPONSIBLE FOR WATER SERVICE OR SERVICE LINE PROBLEMS ASSOCIATED WITH IMPROPERLY SIZED, INSTALLED, OR MAINTAINED HOUSE SERVICE LINES.	15. v
		16.
RANTS:	FIRE HYDRANTS SHALL BE THREE-WAY WITH TWO 2"(IN) NOZZLES AND ONE 5" PUMPER NOZZLE. 2" NOZZLES ARE TO BE NATIONAL STANDARD HOSE COUPLING THREADING, AND EQUIPPED WITH CAPS, CHAINS, AND 5" INTEGRAL STORZ PUMPER CONNECTION, HYDRANTS SHALL BE FACTORY YELLOW IN ACCORDANCE WITH ALABASTER FIRE DEPARTMENT REQUIREMENTS. HYDRANTS SHALL BE AMERICAN DARLING MODEL B&4B OR M&H FIRE HYDRANTS. EACH HYDRANT INSTALLATION SHALL CONSIST OF DUCTILE IRON FIRE HYDRANT, TEE, VALVE, ANCHOR TEE AND COUPLING AS AN ASSEMBLED UNIT WITH A CONCRETE THRUST BLOCK, AND A MINIMUM OF ONE CUBIC FOOT OF GRAVEL (3/4"(IN) OR LARGER) ON AND AROUND THE WEEP HOLE TO ALLOW FOR BARRELL DRAINAGE. HYDRANTS SHALL BE PLACED ON THE RIGHT-OF-WAY BOUNDARY AT A SPACING AS DESIGNATED BY THE ALABASTER FIRE DEPARMENT, AWB, CURRENTLY ADOPTED VERSION OF THE INTERNATIONAL FIRE CODE, OR AS REQUIRED BY THE ALABASTER FIRE CHIEF. ALL FIRE HYDRANTS SHALL BE INSTALLED WITH 18"(IN) TO 24"(IN) FROM FINISHED GRADE TO THE CENTER D. OR AS REQUIRED BY THE ALABASTER FIRE CHIEF. ALL FIRE HYDRANTS SHALL BE INSTALLED WITH 18"(IN) TO 24"(IN) FROM FINISHED GRADE TO THE	17. : 18. (19. :
PRESSION BACKFLOW	CENTER OF THE POWFER NOZZLE.	20. \
	ALL FIRE SUPPRESSION SUPPLY LINES SHALL BE METERED AND SHALL HAVE A BACKFLOW PREVENTION DEVICE AS DIRECTED BY THE OPERATIONS MANAGER. THE FLOWS FOR ALL COMMERCIAL DEVELOPMENTS FOR FIRE SUPPRESSION SHALL BE SUPPLIED WITH THE DRAWINGS. A STANDARD DRAWING OF THE ACCEPTED METER / BACKFLOW VAULTS WILL BE PROVIDED BY AWB.	21. /
S: CTION:	PRIOR TO CONSTRUCTION OF WATER SYSTEM ADDITIONS FOR RESIDENTIAL DEVELOPMENT, DRAWING MUST BE SUBMITTED TO AWB AND APPROVED. THE FOLLOWING ITEMS MUST APPEAR ON THE DRAWINGS BEFORE APPROVAL BY AWB CAN BE GIVEN TO BEGIN	23. /
	N, SIZE, AND MATERIALS OF ALL PIPE AND FITTINGS.	25. /
VB STANDAF	RD DETAILS THAT PERTAIN TO THE PROJECT. (SERVICE CONNECTIONS, FIRE HYDRANTS, BEDDING, FITTINGS, ETC.)	
.OW REQUIR	REMENT FOR DOMESTIC, IRRIGATION, AND FIRE DEMANDS.	20.
ATERIAL LIS	T REQUIRED AT EACH SYSTEM CONNECTION.	27.
	NES, LOT NUMBERS, ELEVATIONS (CURRENT / PROPOSED), AND OTHER UTILITIES	28. /
NOTE STATI	NG THAT THE WATER SYSTEM ADDITIONS SHALL BE INSTALLED IN ACCORDANCE WITH AWB REQUIREMENTS.	
THER PERTI	NENT INFORMATION	29.
ESSURE:	A PUMP MUST BE INSTALLED ON ANY LOT THAT HAS A STATIC PRESSURE AT THE METER OF 40 PSI OR LESS BASED ON AWB SYSTEM MODEL. THE REQUIREMENT FOR A PUMP SHALL BE RECORDED IN THE DEED TO THE CONTRACTOR / HOMEBUILDER THEN TO THE HOMEOWNER AND STAY WITH THE LAND / LOT. THE PUMP WILL NEVER BE THE RESPONSIBILITY OF AWB. WHEN A LOW PRESSURE AREA IS ENCOUNTERED IN A DEVELOPMENT, A WRITTEN AGREEMENT WITH AWB MUST BE SIGNED BY THE DEVELOPER AGREEING TO THE ABOVE TERMS.	30. 31.
	AWB RESERVES THE RIGHT BASED UPON INDIVIDUAL SITE AND FIELD CONDITIONS TO CHANGE OR MODIFY PREVIOUSLY APPROVED PLANS.	
:	AWB RESERVES THE RIGHT TO SHUT OFF A SUBDIVISION, DEVELOPMENT, ETC. IF NO METERED ACTIVITY IS PRESENT AFTER 12 MONTHS OF INSTALLING WATER MAIN INTO SERVICE. IF SHUT OFF THE OWNER, DEVELOPER, ETC. SHALL REPRESSURE TEST AND PULL A NEW BACERIOLOGICAL TEST BEFORE THE MAIN CAN BE PUT BACK INTO SERVICE. THIS WILL BE DONE AT THE DEVELOPER / OWNER EXPENSE.	
OST:	AWB REQUIRES THE REVIEW COST TO BE SUBMITTED WITH THE APPLICATION, PLANS, AND SPECIFICATIONS. REVIEW WILL NOT BE CONDUCTED UNTIL THE REVIEW COST SCHEDULE MAY BE OBTAINED FROM THE OFFICE OF AWB.	
<u>_S:</u> NSTRUCTION	N - AWB APPROVED PLANS WILL HAVE AN APPROVAL STAMP WHEN ISSUED, THESE PLANS ARE REQUIRED TO BE KEPT ON SITE FOR REVIEW AND REFERNCE WHEN CONSTRUCTION IS UNDERWAY.	

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H2

H1 SQUARE

96" 24" PIPE BRACING ALABASTER WATER BOARD

42" | 24" | 25.00

24"

24"

44"

48"

60" 32"

66" 34"

38"

42"

58"

30" | 24" | 17.9 | 60" | 40" |

24"

24"

24"

36" 24" 22.5 69" 48" 24" 29.00

48"

60"

66" 36" 40" 24" 27.5 69" 48" 33.00 48"

SCALE: NONE

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TRANSFORMER GRADE TRANSITION (CUT CONDITION) (2:1 MAX, SLOPE)

45° BENDS 22-½° BENDS									11-¼°	PIPE				
H2	V	D	C.F.	H1	H2	V	D	C.F.	H1	H2	V	D	C.F.	SIZE
6"	12"	18"	1.50	18"	6"	12"	18"	1.50	18"	6"	12"	18"	1.50	2" & 2-1/4"
8"	12"	18"	1.60	18"	8"	12"	18"	1.60	18"	8"	12"	18"	1.60	3" & 4"
10"	16"	18"	3.20	24"	10"	16"	18"	3.20	24"	10"	16"	18"	3.20	6"
11"	18"	18"	3.95	30"	11"	18"	18"	3.95	24"	11"	16"	18"	3.40	8"
18"	21"	18"	4.60	24"	18"	21"	18"	4.60	24"	18"	21"	18"	4.60	10"
18"	24"	24"	9.60	24"	18"	24"	24"	6.60	24"	18"	21"	24'	6.10	12"
24"	30"	24"	13.2	30"	24"	24"	24"	9.20	27"	21"	24"	24'	7.90	14"
30"	36"	24"	17.0	36"	30"	27"	24"	11.80	27"	24"	27"	24"	9.10	16"
30"	36"	24"	17.0	36"	30"	29"	24"	13.0	27"	30"	29"	24"	11.0	18"
40"		24"			36"		24"		30"	40"		28"		20"
48"		24"			42"		24"			42"		32"		24"
72"		24"			72'		24"			48"		36"		30"

1/23/24

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