DRAWING INDEX

DRAWING No. SHEET No. DESCRIPTION
GN-1 1 COVER SHEET, SITE LOCATION, AND DRAWING INDEX
GN-2 2 STANDARD LEGEND AND ABBREVIATIONS
GN-3 3 GENERAL NOTES
SV-1 4 EXISTING SURVEY
SI-1 5 SITE PLAN
GR-1 6 GRADING PLAN
DR-1 7 DRAINAGE PLAN
DR-2 8 DRAINAGE PROFILES
EC-1 9 EROSION CONTROL PLAN
DT-1 10 MISCELLANEOUS DETAILS

DT-2 11 MISCELLANEOUS DETAILS

COUNTY LOCATION SCALE, NONE

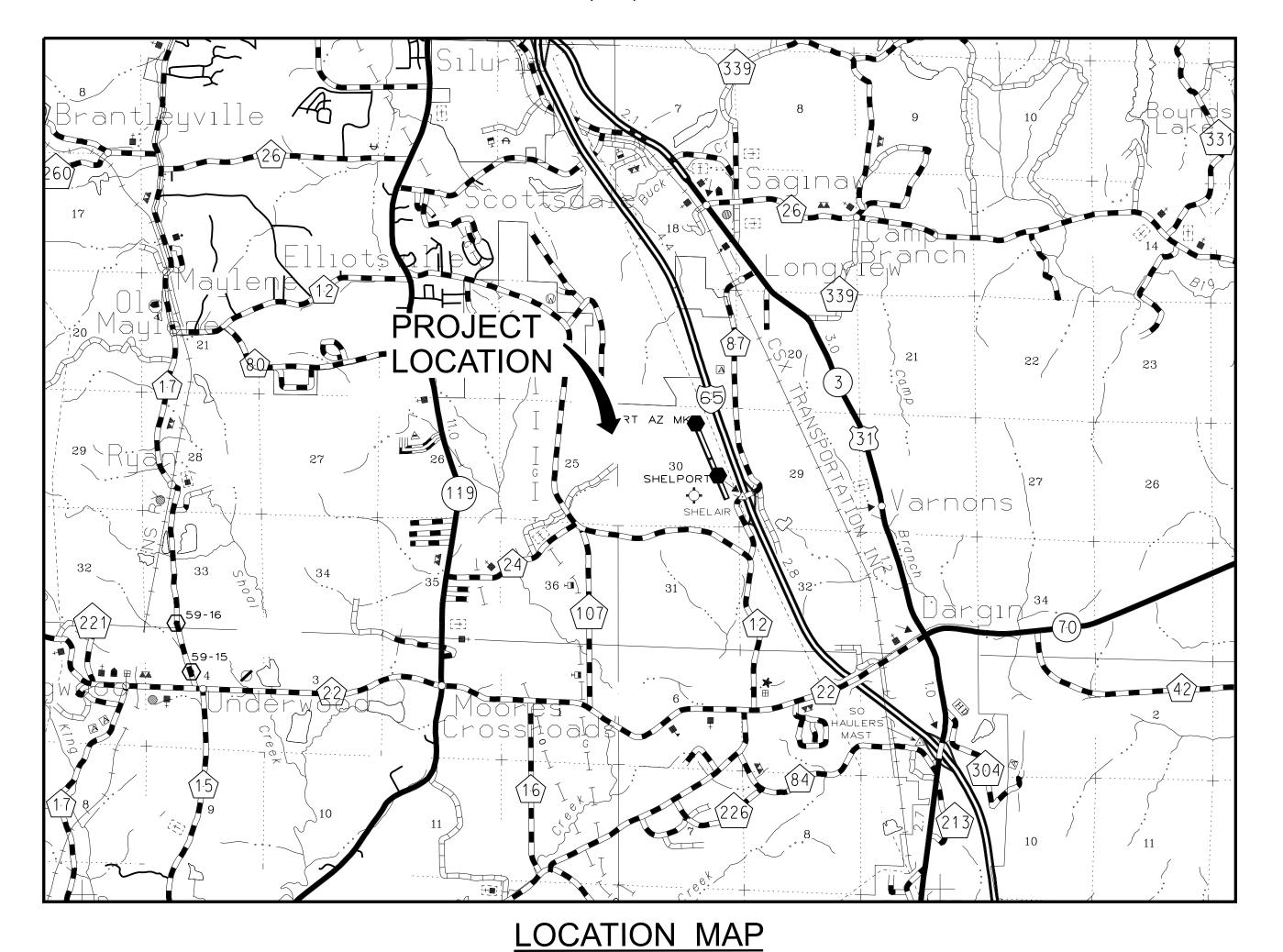
MALLARD LANDING STORAGE AREA

PREPARED BY:



INSITE ENGINEERING, LLC.

5800 FELDSPAR WAY HOOVER, ALABAMA 35244 OFFICE (205) 733-9696 FAX (205) 733-9697



INSITE
ENGINEERING

5800 FELDSPAR WAY
HOOVER ALABAMA 35244

OFFICE (205) 733-9696 FAX (205) 733-9697

CIVIL / GIS
INFRASTRUCTUF
ENVIRONMENTA
PLANNING
COMMERCIAL
RESIDENTIAL

OING EA

ER. ALABAMA

\(\)

REVIEW
DRAWING
(NOT FOR CONSTRUCTION

PROJECT INFO:

INSITE JOB No. 17057.2 PLOTTED: 10/16/23

THIS SHEET CONTAINS:

COVER SHEET,
SITE LOCATION, AND
DRAWING INDEX

SCALE: NONE SHEET 1 OF

<u>GN-1</u>

ABBREVIATIONS ACQ'D ACQUIRED ACRE ALDOT ALABAMA DEPARTMENT OF TRANSPORTATION AVE AVENUE вм BENCH MARK BLDG BUILDING BLVD BOULEVARD CIP CAST IRON PIPE CENTER LINE CLASS CONC CONCRETE COR CORNER CUBIC FEET PER SECOND CFS CUBIC YARD C & G CURB AND GUTTER **DESIGN FLOW** DIST DISTANCE DBL DOUBLE DRAINAGE AREA DUCTILE IRON PIPE EASEMENT

ELEVATION

FLOW LINE

GALLON

HEADWALL

FEET PER SECOND

GALLONS PER MINUTE

HEADWATER ELEVATION

NORMAL WATER LEVEL

GALLONS PER DAY

HP HIGH POINT

HWL HIGH WATER LEVEL

HORIZ HORIZONTAL

INV INVERT

JCT JUNCTION

JB JUNCTION BOX

LF LINEAR FEET

LP LOW POINT

MB MAIL BOX

MH MANHOLE

MP MILEPOST

MGD MILLION GALLONS PER DAY

GPD

HDWL

HWEL

NWL

STA

TBM

VERT

VLF

VPC

VPI

VPT

VCP

NORTHING POINT OF CURVATURE POINT OF INTERSECTION POINT OF TANGENCY POT POINT ON TANGENT POUND PROPERTY LINE RAILROAD RANGE RCP REINFORCED CONCRETE PIPE REQ'D REQUIRED ROW RIGHT OF WAY RD ROAD SANITARY SEWER SEC SECTION SHOULDER SHLDR SIDE DRAIN

SQUARE YARD

TEMPORARY BENCH MARK

VERTICAL POINT OF CURVE

VERTICAL POINT OF TANGENT

VITRIFIED CLAY PIPE

WATER LEVEL WATER MAIN

VERTICAL POINT OF INTERSECTION

STATION

STREET

TOWNSHIP

VERTICAL

VERTICAL FEET

STANDARD LEGEND

EXISTING PROPOSED PROPOSED UTILITIES 0 SANITARY SEWER MANHOLE SIDEWALK — X " SS — SANITARY SEWER GRAVITY LINE (NOTE DIA. OF PIPE IF KNOWN) प्रमान असम्बद्धाः अनुस्तर अस्य UNPAVED ROAD OR DRIVEWAY SANITARY SEWER FORCE LINE (ARROW INDICATES FLOW) PAVED ROAD OR DRIVEWAY \otimes UTILITY MANHOLE (NOTE TYPE IN CIRCLE - P,T,ETC.) PAVED ROAD WITH GUTTER POWER JUNCTION BOX DRAIN WITH HEADWALL (SIZE POWER POLE Щ AND TYPE STRUCTURE NOTED) LIGHT POLE (NOTE TYPE) EXISTING BRIDGE, BOX CULVERT, OR \bowtie HIGH VOLTAGE TRANSMISSION POLE OR TOWER STORM DRAIN (SIZE AND TYPE STRUCTURE NOTED) — UP — UNDERGROUND POWER CONDUIT —— UP —— WALK BRIDGE OVERHEAD POWER LINES RAILROAD TRACK SINGLE T TELEPHONE JUNCTION BOX RAILROAD TRACK DOUBLE ____ UT ____ UNDERGROUND TELEPHONE CONDUIT • M.P. 129 OVERHEAD TELEPHONE LINES — T — — T — RAILROAD MILEPOST —— T&P —— —— T&P —— OVERHEAD TELEPHONE AND POWER LINES 0 0 0 0 OUTDOOR ADVERTISING SIGN \rightarrow $\overline{}$ **GUY POLE** MASONRY WALL (NOTE TYPE) **○** UTILITY POLE ANCHOR ₫ MAILBOX GAS LINE MARKER (NOTED) GAS METER CLOTHES LINE AND POLES (NOTED) — X "G — GAS LINE (NOTE DIA. OF PIPE IF KNOWN) 0 WELL GAS VALVE ++++++++++LEVEE OR EARTH DAM WATER VALVE WOOD FENCE WATER LINE (NOTE DIA. OF PIPE IF KNOWN) -X-X-HOG WIRE OR BARBED WIRE FENCE WATER METER တ္တ FIRE HYDRANT CHAIN LINK FENCE

<u>NATURAL</u>

DROP INLET (NOTED)

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 STRUCTURE NUMBER

LINE: SL-1

N= 1210812.28 ST-1

NUMBER E= 2217825.67 WATTLE DITCH CHECK DAM
SILT FENCE

HEADWALL

DOUBLE WING CURB INLET

SINGLE WING CURB INLET

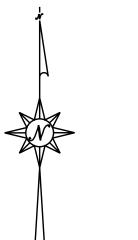
NORTHING & EASTING

DRAINAGE CALLOUT

PROFILE SHEET NUMBER —

EXISTING PROPOSED SURVEY

 $\mathsf{PI}_{\varnothing}$ 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 _____ R/W ∅ RIGHT OF WAY MONUMENTS (NOTED FOR EXISTING) R/W ∅ ------ ROW ------**ROW LINE** -----ROW -----CONSTRUCTION LIMITS _... — — ESMT — — — — ESMT — — **EASEMENT** CONSTRUCTION EASEMENT



NORTH ARROW

Know what's below.
Call before you dig.



HOOVER, ALABAMA 35244 OFFICE (205) 733-9696 FAX (205) 733-9697

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

REANDING AGE AREA

REVIEW
DRAWING
(NOT FOR CONSTRUCTION)

PROJECT INFO:
INSITE JOB No. 17057.2
PLOTTED: 10/16/23

THIS SHEET CONTAINS:

STANDARD LEGEND

AND ABBREVIATIONS

SCALE: NONE
SHEET 2 OF 11

GN-2

PROJECT SPECIFIC NOTES

- 1. FLOOD HAZARD RISK, IF ANY, ASSOCIATED WITH THIS PROPERTY MAY BE FOUND IN THE INTHE DETAILED DRAINAGE REPORT OR ON THE FEMA WEBSITE. 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, 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.
- GOVERNING AUTHORITIES ARE NOT RESPONSIBLE FOR ANY DRAINAGE EASEMENT OUTSIDE THE PUBLIC RIGHT-OF-WAY.
- THE GOVERNING AUTHORITY IS NOT, NOR EVER WILL BE RESPONSIBLE FOR MAINTENANCE OF PRIVATE ROADS, EASEMENTS, OR AREAS OFF PUBLIC RIGHT-OF-WAYS.
- 9. CONTRACTOR SHALL NOTIFY GOVERNING AUTHORITIES A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY WORK WITHIN THE RIGHT-OF-WAY OF EXISTING ROADS.
- 10. ALL FEMA, USACE, COUNTY, AND/OR STATE PERMITS SHALL BE IN HAND AND ON SITE DURING THE CONSTRUCTION OF THE PROJECT.
- 11. A SIGNED AND SEALED COPY OF THE PLANS SHALL
 BE MAINTAINED ON SITE AND MADE READILY AVAILABLE FOR THE
 DURATION OF THE CONSTRUCTION.
- 12. 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.
- 13. CONTRACTOR IS TO MODIFY, ADJUST, AND RELOCATE EROSION AND SEDIMENT CONTROLS AS DEEMED NECESSARY BY THEIR MEANS OF CONSTRUCTION DURING THE PROJECT. ALL ADEM AND FEDERAL GUIDLELINES SHOULD BE UPHELD DURING THESE OPERATIONS. ANY EXPENSE, FINES, ETC. DURING THE GRADING PROCESS DUE TO LACK OF EROSION CONTROL, MOVEMENT, OR LACK OF MODIFICATION OF THE CONTRACTORS PROCESS SHALL BE AT THE CONTRACTORS SOLE EXPENSE.

GRADING NOTES

- 1. CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, MECHANICAL, STRUCTURAL, ELECTRICAL, SURVEY, AND OTHER DRAWINGS. ANY DISCREPANCIES BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER. SURVEY ACCURACY SHOWN HAS BEEN SUPPLIED TO STATE STANDARDS PER CONTOUR INTERVAL. ALL GRADES, ELEVATIONS, SETBACKS, ETC. SHALL BE VERIFIED PRIOR TO ANY SLAB, SIDEWALK, DRIVEWAY, ETC. BEING POURED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COST ASSOCIATED WITH FAILURE TO COMPLY WITH THIS PROVISION.
- 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 HIS CONSTRUCTION OPERATIONS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, 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.

ALL UTILITIES WITHIN ROADWAY SHALL BE BACKFILLED COMPLETELY WITH

- STONE UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER
 OR THE GOVERNING AUTHORITY.

 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 EXCLUDED BY THE SPECIFICATIONS, FOR THE DEVELOPMENT OF THESE PLANS ARE THE CONTRACTORS RESPONSIBILITY AND SHALL BE OBTAINED PRIOR TO DISTURBING ANY AREAS OR BEGINNING ANY CONSTRUCTION.
- DISPOSAL OF ALL MATERIALS AND DEBRIS NOT ACCEPTABLE TO THE OWNER.

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND LEGAL

CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER CONCURRENT WORK BEING PERFORMED IN THE AREA.

EROSION CONTROL SEQUENCE

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

- 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.
- 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.

MALLARD LANDIN STORAGE AREA

ENGINEERING

5800 FELDSPAR WAY

HOOVER, ALABAMA 35244

OFFICE (205) 733-9696

FAX (205) 733-9697

INFRASTRUCTURE

ENVIRONMENTAL

PLANNING

COMMERCIAL

RESIDENTIAL

GENERAL 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 GOVERNING AUTHORITY 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 CALLED FOR ON THESE PLANS (I. E. ASPHALT PAVEMENT, CONCRETE PAVEMENT, SIDEWALK, TOPSOIL, ETC.) AND THE RELATED SECTIONS OR DETAILS. THE CONTRACTOR SHOULD PLAN ON SAWCUT AND EXCAVATION OR MILLING EFFORTS TO ENSURE SMOOTH TRANSITION UNLESS AN EXISTING VERTICAL LIP IS PRESENT TO CONNECT THE TRANSITION.
- 8. CONTRACTOR SHALL TIE PROPOSED PAVING INTO EDGE OF EXISTING PAVING. CONTRACTOR SHALL ADJUST CROSS SECTION, EDGE OF DEMOLITION LIMITS, ETC. AS REQUIRED TO ENSURE SMOOTH PAVEMENT TRANSITIONS AND POSITIVE DRAINAGE. CURB AND GUTTER, SIDEWALK, CONCRETE PAVING, ETC. SHALL BE WORKMANLIKE, SMOOTH, AND ENSURE POSITIVE DRAINAGE. ADDITIONAL REQUIRED DEMOLITION TO ENSURE A SMOOTH TRANSITION IS THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. ALL CUT AND FILL SLOPES THAT ARE STEEPER THAN 3:1 SHALL BE INSPECTED BY A GEOTECHNICAL ENGINEER TO DETERMINE ACCEPTABILITY
- 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 SHEET WITH THE POND OUTLET INFORMATION 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.

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.
- 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.
- . CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS RELATING TO THE ON SITE STORAGE OF FUEL, OIL, AND GREASE. AN SPCC PLAN MUST BE MAINTANED AND IMPLEMENTED ON SITE.
- 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 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.
- 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.

REVIEW
DRAWING
(NOT FOR CONSTRUCTION

PROJECT INFO: INSITE JOB No. 17057.2

PLOTTED: 10/16/23

THIS SHEET CONTAINS:
GENERAL NOTES

SCALE: NONE

GN-3

SHEET 3 OF 11



CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

MALLARD LANDING STORAGE AREA

REVIEW
DRAWING
NOT FOR CONSTRUCTION

PROJECT INFO:
INSITE JOB No. 17057.2
PLOTTED: 10/16/23

THIS SHEET CONTAINS:
EXISTING SURVEY

SCALE: 1"= 30'
SHEET 4 OF 11

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF INSITE ENGINEERING. LLC TREPRODUCTION, COPYING, OR USE OF THIS DRAWING THOUT THEIR WRITTEN CONSENT IS PROHIBITED AND ANY INFINIGEMENT WILL BE SUBJECT TO LEGAL ACTION, CODADICIT (**) 2023 INCITE FACTINITY OF ALL OF THE PROPERTY.

INSITE ENGINEERING

5800 FELDSPAR WAY

HOOVER, ALABAMA 35244
OFFICE (205) 733-9696
FAX (205) 733-9697

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

DING ZEA

ALLARD LAND STORAGE ARE

REVIEW
DRAWING
(NOT FOR CONSTRUCTION)

PROJECT INFO:

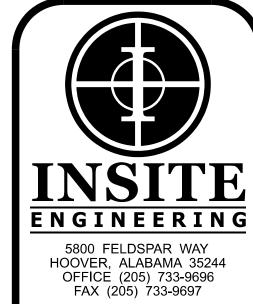
INSITE JOB No. 17057.2 PLOTTED: 10/16/23

THIS SHEET CONTAINS:

OVERALL
SITE PLAN

SCALE: 1"= 30'
SHEET <u>5</u> OF <u>11</u>

SI-1



OFFICE (205) 733-9696
FAX (205) 733-9697

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

RD LANDING AGE AREA

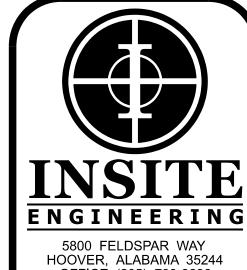
REVIEW
DRAWING
NOT FOR CONSTRUCTION

PROJECT INFO:
INSITE JOB No. 17057.2
PLOTTED: 10/16/23

THIS SHEET CONTAINS:
GRADING PLAN

SCALE: 1"= 30'
SHEET <u>6</u> OF <u>11</u>

GR-



5800 FELDSPAR WAY HOOVER, ALABAMA 35244 OFFICE (205) 733-9696 FAX (205) 733-9697 CIVIL / GIS INFRASTRUCTURE

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

LLARD LANDING TORAGE AREA

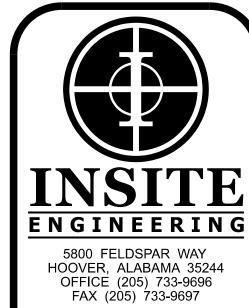
REVIEW
DRAWING
IOT FOR CONSTRUCTION

PROJECT INFO:
INSITE JOB No. 17057.2
PLOTTED: 10/16/23

THIS SHEET CONTAINS:
DRAINAGE PLAN

SCALE: 1"= 30'
SHEET <u>6</u> OF <u>11</u>

DR-



CIVIL / GIS

INFRASTRUCTURE

ENVIRONMENTAL

PLANNING

COMMERCIAL

RESIDENTIAL

ANDING AREA

ALLARD LANDI STORAGE ARE

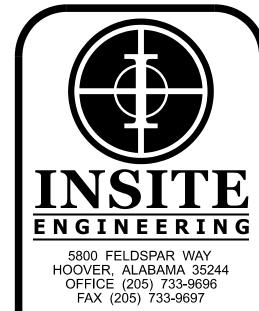
REVIEW
DRAWING
(NOT FOR CONSTRUCTION)

PROJECT INFO: INSITE JOB No. 17057.2 PLOTTED: 10/16/23

THIS SHEET CONTAINS:
DRAINAGE PROFILES

SHEET <u>8</u> OF <u>11</u>

THIS DRAWING AND THE DESIGN SHOWN IS THE PROPERTY OF INSITE ENGINEER! THE REPRODUCTION. COPYING, OR USE OF THIS DRAWING WITHOUT THEIR WRITT CONSENT IS PROHIBITED AND ONY INFRINGEMENT WILL BE SUBJECT TO LEGAL A CODYPICHT (**) 2022. INCITE FINGINEERING. I.C.



OFFICE (205) 733-9696
FAX (205) 733-9697

CIVIL / GIS
INFRASTRUCTURE
ENVIRONMENTAL
PLANNING
COMMERCIAL
RESIDENTIAL

ַ ס ב ביוו

ASTER. ALABAMA

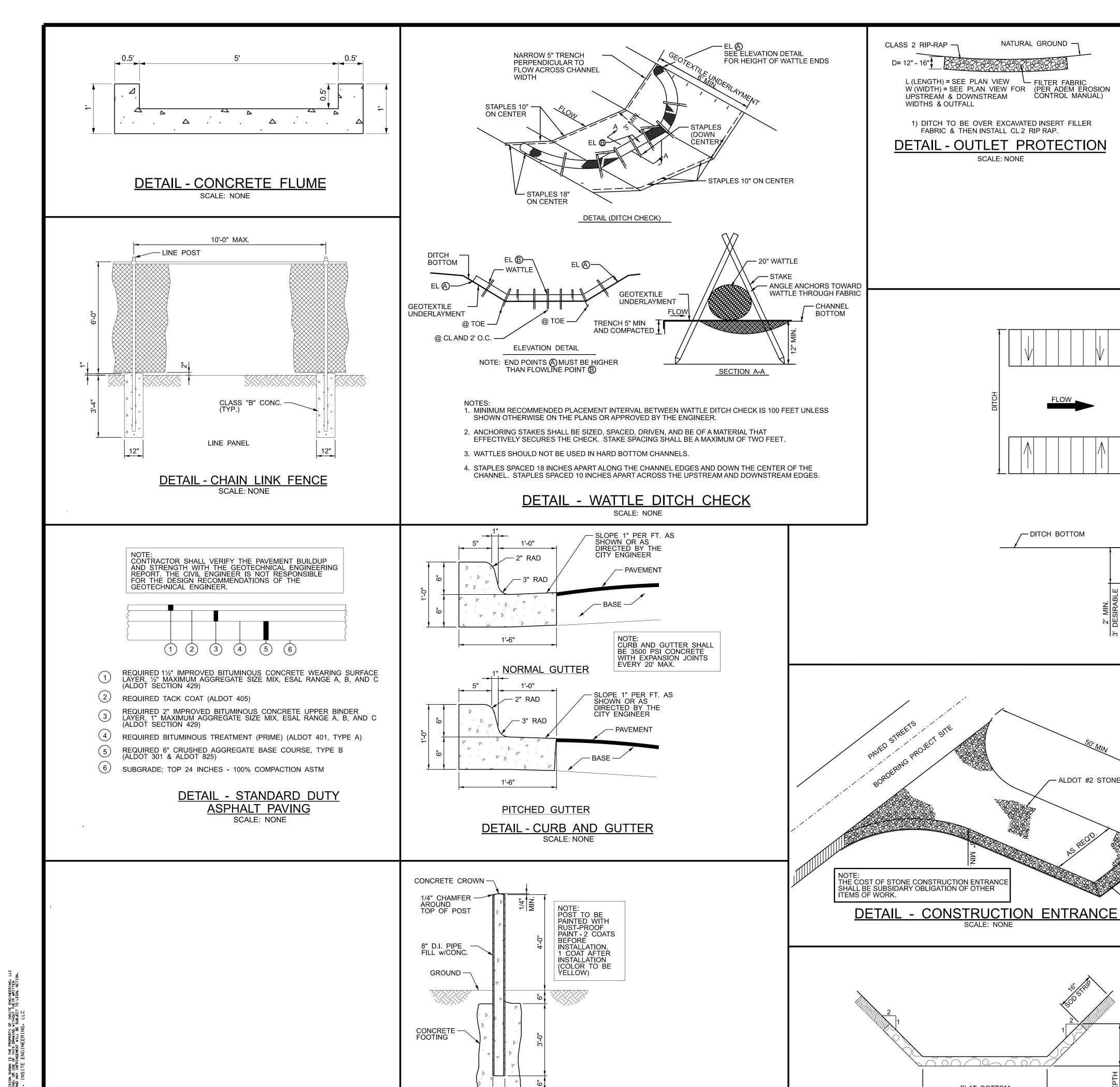
REVIEW
DRAWING
NOT FOR CONSTRUCTION

PROJECT INFO:
INSITE JOB No. 17057.2
PLOTTED: 10/16/23

THIS SHEET CONTAINS:
EROSION CONTROL
PLAN

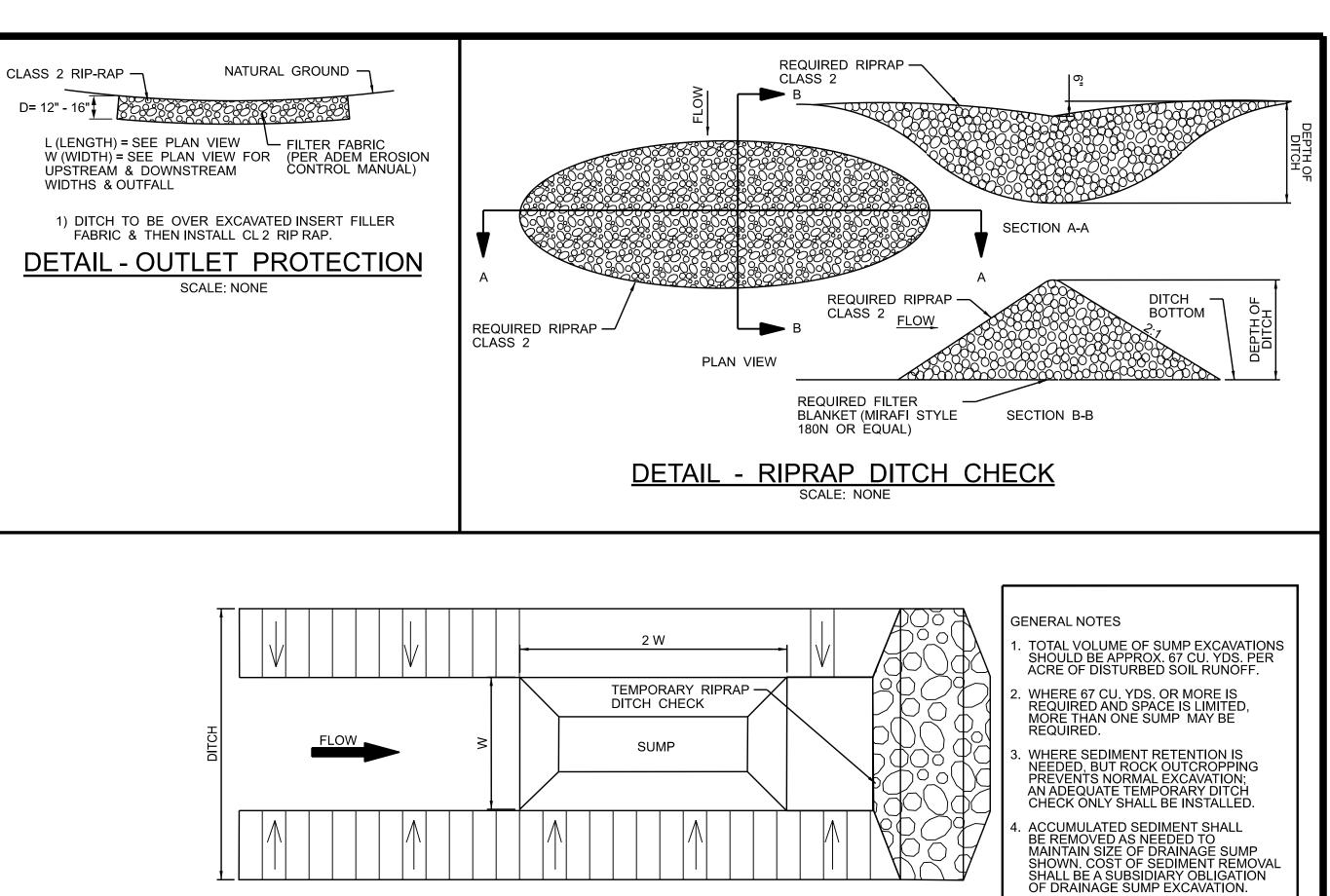
SCALE: 1"= 30' SHEET <u>9</u> OF <u>11</u>

EC-



DETAIL - BOLLARD

SCALE: NONE



PLAN

6' MIN.

ELEVATION

- DITCH BOTTOM

- ALDOT #2 STONE

FLAT BOTTOM SEE DR SHEETS FOR DITCH WIDTHS

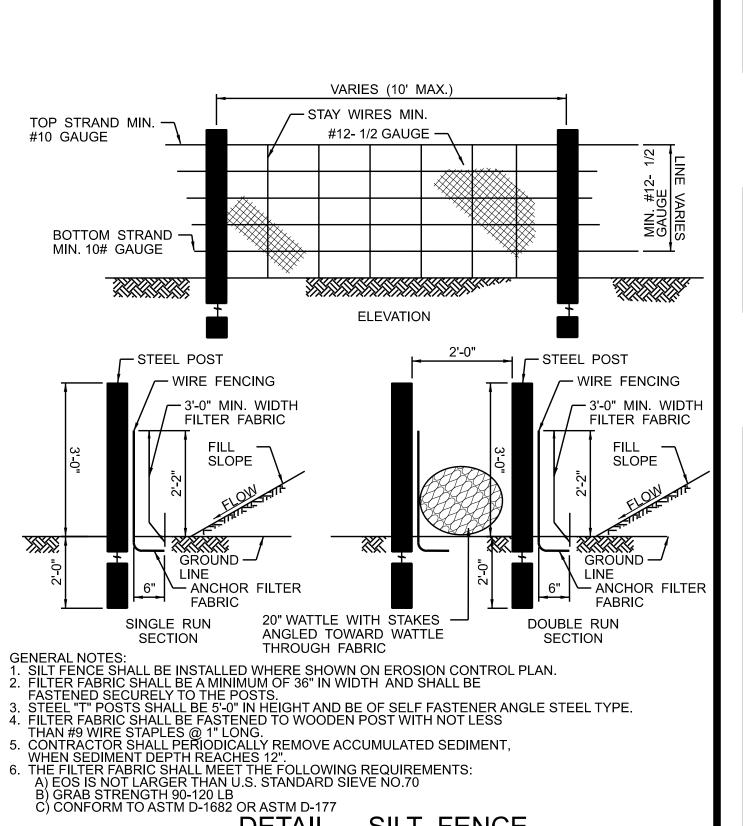
DETAIL - TYPICAL DITCH SECTIONS

SCALE: NONE

PROVIDE 8 oz.

NON-WOVEN

FILTER BLANKET



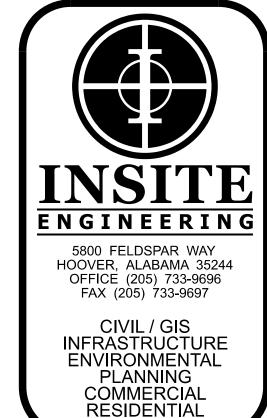
DETAIL - SILT FENCE

SCALE: NONE

VARIES

DETAIL - DRAINAGE SUMP EXCAVATION

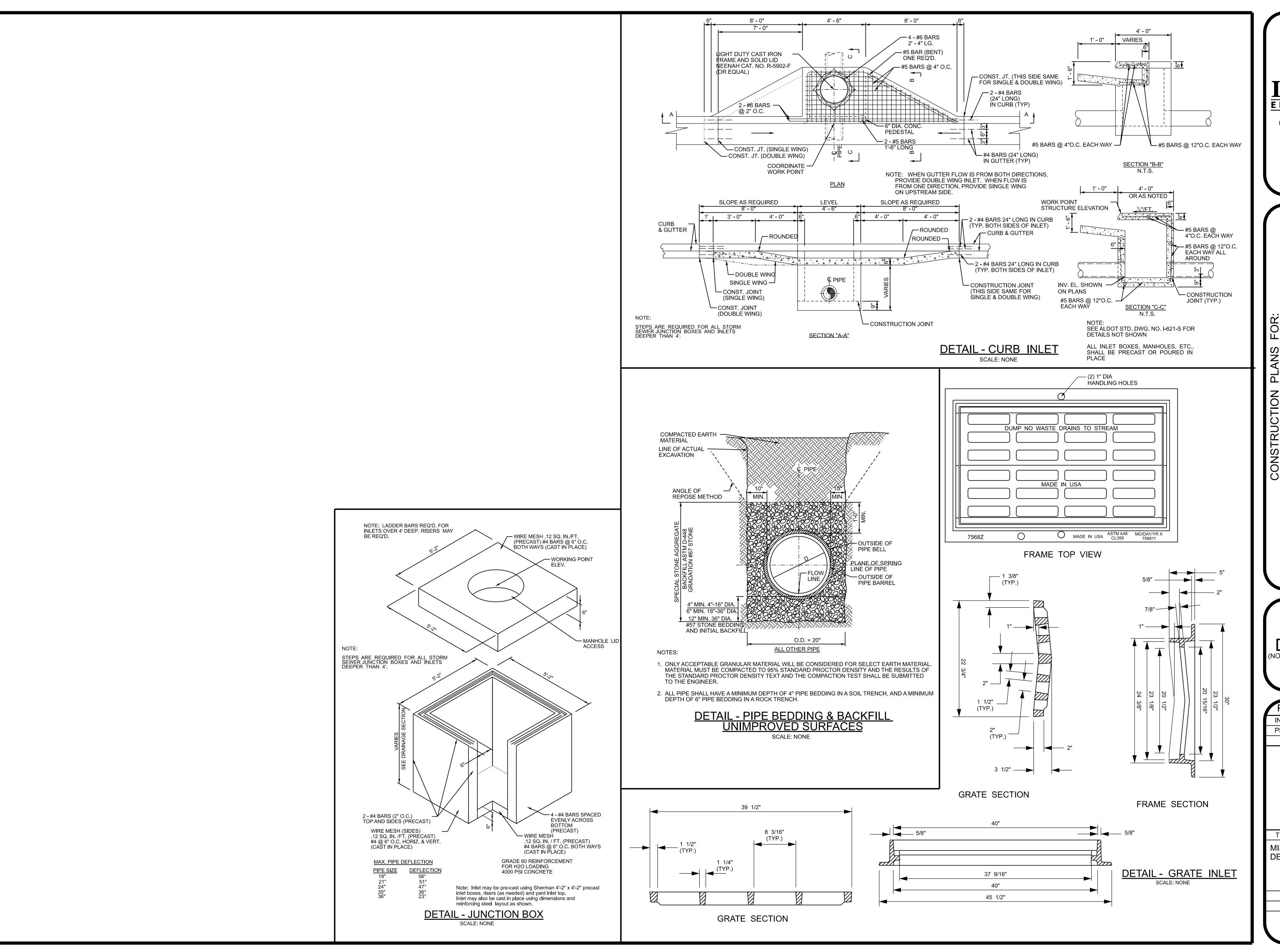
SCALE: NONE



REVIEW **DRAWING** NOT FOR CONSTRUCTION

PROJECT INFO INSITE JOB No. 17057.2 PLOTTED: 10/16/23 THIS SHEET CONTAINS: MISCELLANEOUS DETAILS

> SCALE: NONE SHEET 10 OF 11





ENVIRONMENTAL PLANNING COMMERCIAL RESIDENTIAL

INFRASTRUCTURE

LARD LANDIN ORAGE AREA

REVIEW
DRAWING
(NOT FOR CONSTRUCTION

PROJECT INFO:
INSITE JOB No. 17057.2
PLOTTED: 10/16/23

THIS SHEET CONTAINS:
MISCELLANEOUS
DETAILS

SHEET 11 OF 11

DT-2