CONSTRUCTION PLANS
FOR
B.R.A.T.S. HUB
FAIRHOPE, ALABAMA
CONSTRUCTION PLANS
THOMPSON PROJECT NO. 09-5010-0015
MARCH 30, 2012

NOTE:

THE EROSION CONTROL PLAN OUTLINE WITHIN IS A SUGGESTED PLAN ONLY. THE CONTRACTOR SHALL REFINE OR MODIFY THIS PLAN AS NECESSARY DURING CONSTRUCTION TO BEST ACCOMPLISH THE GOAL OF PREVENTING ANY DAMAGE TO THIS PROPERTY OR ADJACENT PROPERTY DUE TO EROSION OR SEDIMENTATION. IT IS IMPERATIVE THAT EROSION CONTROL DEVICES BE MAINTAINED ON A CONTINUING BASIS.

ALL REFERENCES TO ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION ARE TO THE 2012 EDITION.

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE, JULY 2002 EDITION & THE CITY OF FAIRHOPE PLANNING & BUILDING DEPARTMENT REQUIREMENTS. IN ADDITION, THE CONTRACTOR SHALL BE SOLEY RESPONSIBLE FOR ANY DAMAGES CAUSED BY SEDIMENT OR ANY OTHER ERODIBLE MATERIALS BEING DEPOSITED ONTO ADJACENT PROPERTY.

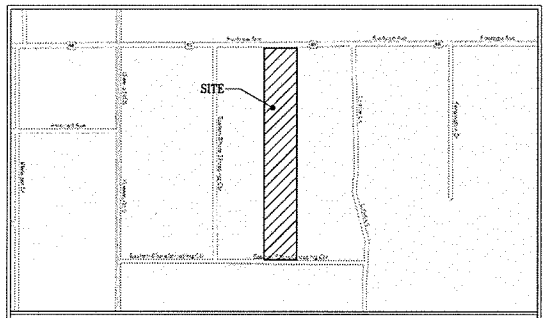
THESE PLANS CONFORM WITH "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS", 2011, 6TH EDITION, BY AASHTO.

ALL REFERENCES TO ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS ARE TO THE 2012 EDITION.

SHOULD ARTIFACTS OR ARCHAEOLOGICAL FEATURES BE ENCOUNTERED DURING PROJECT ACTIVITIES, WORK SHALL CEASE AND THE ALABAMA HISTORICAL COMMISSION SHALL BE CONSULTED IMMEDIATELY (CALL 334-242-3184, REFERENCE PROJECT #AHC 05-0752, MSC-05-12). ARTIFACTS ARE OBJECTS MADE, USED OT MODIFIED BY HUMANS. THEY INCLUDE BUT ARE NOT EXCLUDED TO ARROWHEADS, BROKEN PIECES OF POTTERY OR GLASS, STONE IMPLEMENTS, METAL FASTENERS OR TOOLS, ETC.. ARCHAEOLOGICAL FEATURES ARE STAINS IN THE SOIL THAT INDICATED DISTURBANCE BY HUMAN ACTIVITY. SOME EXAMPLES ARE POST HOLES, BUILDING FOUNDATIONS, TRASH PITS AND EVEN HUMAN BURIALS.

NPDES GENERAL PERMIT
AUTHORIZATION ALR

ADMINISTRATIVE APPROVAL: "COUNTY ENGINEER" DATE



VICINITY MAP

ISSUED FOR REVIEW

thompson
ENGINEERING

216 North Alston St.
FOLEY, ALABAMA 36535
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WATER AND SANITARY SEWER SYSTEMS

ALL WORK AND MATERIALS SHALL CONFORM TO THE CITY OF FAIRHOPE UTILITIES SPECIFICATIONS FOR WATER, SEWER, NATURAL GAS AND ELECTRIC.

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CIVIL DRAWING INDEX

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M-200	MECHANICAL PLAN
E-1.0	SITE LIGHTING PLAN
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GENERAL CONSTRUCTION NOTES

STREETS, DRAINAGE & SITE GRADING

1. ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STATE OF ALABAMA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2012 EDITION" EXCEPT AS MODIFIED IN THE SPECIFICATIONS OR BY GENERAL NOTE, AND SPECIFICATIONS IN THE CONTRACT DOCUMENTS. IN THE EVENT OF A CONFLICT THE MORE STRINGENT SHALL APPLY.
2. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO ADEQUATELY SCHEDULE AND COORDINATE WORK ON THE PROJECT WITH, THE TESTING LABORATORY FOR REQUIRED TESTING, AND WITH UTILITY PERSONNEL FOR LOCATING AND RESOLVING CONFLICTS WITH EXISTING UTILITIES AND CONSTRUCTING UTILITY IMPROVEMENTS WITHIN THE PROJECT – NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK. THE COST FOR THE WORK SHALL BE INCLUDED IN THE CONTRACTOR'S BID FOR THE PROJECT.
3. ALL STAKEOUT AND CONSTRUCTION LAYOUT WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. EXISTING STREETS AND/OR ROADS SHALL BE MAINTAINED PASSABLE AT ALL TIMES AND SHALL BE OPEN DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SCHEDULE AND SEQUENCE THE WORK SO THAT THIS PROVISION IS COMPLIED WITH.
5. A MINIMUM 6" LAYER OF MATERIAL SHALL BE STRIPPED AND STOCKPILED FOR USE AS TOPSOIL.
6. THE CONTRACTOR SHALL LANDSCAPE THE SITE IN ACCORDANCE WITH THE CITY OF FAIRHOPE ZONING ORDINANACE.
7. APPROVED JOB MIX FORMULA SHALL BE REQUIRED FOR ALL BITUMINOUS CONCRETE LAYERS.
8. EACH LAYER OF THE PAVEMENT STRUCTURE SHALL BE APPROVED IN THE FIELD BY THE ENGINEER PRIOR TO STARTING CONSTRUCTION OF THE NEXT OVERLYING LAYER. EACH LAYER OF THE PAVEMENT STRUCTURE, INCLUDING THE SUBGRADE, COMPRISED OF GRANULAR SOIL TYPE MATERIALS, SHALL BE "BLUETOPPED" BY THE CONTRACTOR TO THE FINISH ELEVATIONS AT THE CENTER AND GUTTER LINES AT 50' INTERVALS. ASPHALTIC CONCRETE PAVEMENT STRUCTURE LAYERS SHALL BE "BLUETOPPED" OR ELEVATIONS DETERMINED AS OTHERWISE APPROVED BY THE ENGINEER. COMPACTION AND MATERIAL TESTING SHALL BE CONDUCTED BY A LABORATORY AUTHORIZED BY THE OWNER FOR THE PROJECT. "BLUETOPPING" AND ESTABLISHING OF PAVEMENT LAYER ELEVATIONS AS NOTED ABOVE SHALL BE THE CONTRACTORS RESPONSIBILITY.
9. PRIOR TO FINAL INSPECTION, ALL REPAIRS ON CONCRETE WORK SHALL BE COMPLETED WHERE REQUIRED, THEN CONCRETE WORK SHALL BE CLEANED TO REMOVE STAINS AND DISCOLORATIONS. POWER WASHING, SAND BLASTING, OR OTHER ACCEPTABLE METHODS SHALL BE UTILIZED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL SEDIMENT CONTROL AND STORMWATER MANAGEMENT ON CONSTRUCTION SITES AND URBAN AREAS BY THE ALABAMA SOIL AND WATER CONSERVATION COMMITTEE, JULY 2002 EDITION AND THE CITY OF FAIRHOPE PLANNING & BUILDING DEPARMENT REQUIREMENTS. IN ADDITION, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGES CAUSED BY SEDIMENT OR ANY OTHER ERODIBLE MATERIALS BEING DEPOSITED ONTO ADJACENT PROPERTY.
11. ALL CONCRETE STORM SEWER PIPE OR CONCRETE ROADWAY PIPE SHALL BE CLASS 3 REINFORCED CONCRETE PIPE UTILIZING RUBBER GASKET JOINTS FOR CIRCULAR PIPE AND RAM NECK GASKETS FOR ARCH PIPE. CLASS C AND PIPE TRENCHES SHALL BE BACKFILLED WITH SUITABLE UNCLASSIFIED EXCAVATION MATERIAL OR BORROW AS DIRECTED BY THE ENGINEER. BACKFILL OF THE PIPE TRENCH SHALL BE INCLUDED IN THE PRICE BID FOR THE PIPE. ALL LIFTING HOLES SHALL BE SEALED WITH RAM NECK GASKET MATERIAL AND ONE SQUARE FOOT (DOUBLE THICKNESS) OF FILTER FABRIC.
12. ALL DISTURBED AREAS TO RECEIVE SOLID SOD ARE TO BE FINE GRADED AND FERTILIZED PRIOR TO PLACING SOD.
13. SOLID SOD. SHALL BE UTILIZED WHERE DIRECTED BY THE ENGINEER FOR CONTROL OF EROSION AND IN AREAS SET FORTH IN THE PLANS.
14. BORROW EXCAVATION SHALL BE UTILIZED AS DIRECTED BY THE ENGINEER IN LOCATIONS WHERE UNSUITABLE MATERIAL IS ENCOUNTERED IN THE ROADBED AS WELL AS SANITARY SEWER TRENCHES ABOVE PIPE EMBEDMENT.
15. DRAINAGE STRUCTURES, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLAN DETAILS FOR THE PIPE SIZES AND DEPTHS INDICATED IN THE PLANS. WEEPHOLES AND STEPS SHALL BE PLACED AS DIRECTED BY THE PLANS OR THE ENGINEER.
16. CONTRACTOR SHALL CONTACT THE CITY OF FAIRHOPE PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT OF WAY.

19. SITE PREPARATION NOTES:
    A. REMOVE DELETERIOUS MATERIALS FROM WITHIN AND EXTENDING FIVE (5) FEET BEYOND BUILDING BOUNDS AND EARTHWORK LIMITS. UNDERCUT SHALL PROCEED WITHIN AND EXTENDING THREE (3) FEET OUTSIDE THE BUILDING TO A DEPTH OF 24 INCHES BELOW EXISTING GRADES.
    B. USE OFF-SITE, STRUCTURAL FILL AND/OR SELECT SAND AS SPECIFIED BELOW TO OBTAIN DESIGN GRADES. MATERIAL PLACEMENT SHALL PROCEED IN 8 INCH LOOSE LIFTS WITH EACH LIFT COMPACTED TO 95 PERCENT STANDARD PROCTOR DENSITY AS PER ASTM-D698, AT A FIELD MOISTURE WITHIN +/- 3 PERCENT OF OPTIMUM. A MINIMUM OF 12 INCHES OF STRUCTURAL FILL SHALL BE PLACED BELOW UNDERSIDE OF FLOOR SLAB LEVEL.
    C. OFF-SITE MATERIAL SHALL CONSIST OF THE FOLLOWING: "STRUCTURAL FILL' SHALL BE A SANDY MATERIAL FREE OF ORGANICS, DEBRIS, AND OTHERWISE DELETERIOUS MATERIALS AND CONTAINING BETWEEN 12 AND 20 PERCENT PASSING THE NO. 200 SIEVE AND 95 PERCENT OR LESS PASSING THE NO. 40 SIEVE, BY WEIGHT.

       "SELECT SAND" USED TO BACKFILL WITHIN SATURATED ZONES SHOULD CONSIST OF A LOCALLY AVAILABLE PIT MATERIAL DEFINED AS MEDIUM TO COARSE SAND CONTAINING LESS THAN 90 PERCENT PASSING THE NO. 40 SIEVE AND LESS THAN 6 PERCENT PASSING THE NO. 200 SIEVE, BY WEIGHT.
    D. SUBGRADE AND FILL SURFACE SHALL BE SHAPED AND GRADED FOR POSITIVE SURFACE DRAINAGE. SLOPES AND THE SURFACE MATERIAL TYPE SHALL BE AS REQUIRED TO MINIMIZE EROSION.

       NOTE: IT SHOULD BE NOTED THAT IF SEASONAL PERCHED GROUNDWATER IS ENCOUNTERED DURING CONSTRUCTION, SUMP AND PUMP DE-WATERING WILL BE REQUIRED.
20. PAVEMENT SUBGRADE PREPARATION: SITE PREPARATION WITHIN PAVEMENT AREAS SHOULD BE INITIATED BY CLEARING, GRUBBING, AND REMOVING SURFICIAL ORGANICS AND OTHERWISE DELETERIOUS MATERIALS. THE SUBGRADE SHOULD BE INSPECTED FOR AREAS OF VERY LOOSE OR VERY SOFT SUBGRADE, THEN ONCE APPROVED BY A QUALIFIED MATERIAL'S TECHNICIAN, THE SUBGRADE SHALL BE SCARIFIED AND COMPACTED TO 95 PERCENT OF THE MATERIAL'S STANDARD PROCTOR DENSITY (SPD). TO ACHIEVE FINISH SUBGRADE LEVELS, "STRUCTURAL FILL" SHALL BE PLACED IN MAXIMUM 8 INCH THICK LOOSE LIFTS, AND EACH LIFT SHOULD BE COMPACTED TO AT LEAST 95 PERCENT SPD, WITH THE FINAL LIFT COMPACTED TO 100% SPD. IF THE SUBGRADE SOILS SATISFY THE REQUIREMENTS OF "SELECT SAND" AS SPECIFIED BELOW, THE SUBGRADE SHALL BE COMPACTED TO 90 PERCENT OF THE MATERIAL'S RELATIVE DENSITY AS PER ASTM D-2726. A MINIMUM OF 12 INCHES OF "STRUCTURAL FILL" SHALL SERVE AS THE PAVEMENT SUBBASE.
21. FIELD COMPACTION SHALL BE AT FIELD MOISTURE CONTENT WITHIN PLUS OR MINUS 2 PERCENT OF LABORATORY OPTIMUM MOISTURE OR AS REQUIRED BY THE ENGINEER.
22. "STRUCTURAL FILL" SHALL BE A SANDY MATERIAL FREE OF ORGANICS, DEBRIS, AND OTHERWISE DELETERIOUS MATERIALS AND CONTAINING BETWEEN 12 AND 25 PERCENT PASSING THE NO. 200 SIEVE AND 95 PERCENT OR LESS PASSING THE NO. 40 SIEVE, BY WEIGHT. "SELECT SAND" SHALL CONSIST OF A LOCALLY AVAILABLE PIT MATERIAL DEFINED AS A MEDIUM TO COARSE SAND CONTAINING LESS THAN 90% PERCENT PASSING THE NO. 40 SIEVE AND LESS THAN 5 PERCENT PASSING THE NO. 200 SIEVE, BY WEIGHT. MAXIMUM LOOSE LIFT THICKNESS OF 8 TO 12 INCHES SHALL BE COMPACTED TO 90 PERCENT OF THE MATERIAL'S RELATIVE DENSITY AS PER ASTM D-2726. USE OF "SELECT SAND" MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD. ONSITE SOILS FREE OF DEBRIS AND ORGANICS AND WHICH ADHERE TO THE SPECIFICATIONS FOR "STRUCTURAL FILL" OR "SELECT SAND" MAY BE STOCKPILED AND REUSED AS FILL MATERIAL IN ACCORD WITH THE ABOVE SPECIFICATIONS.
24. CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD, DEBRIS, TRASH, ETC... OFF OF ADJOINING PAVED AREAS AND PUBLIC RIGHTS OF WAY. CLEAN-UP IS REQUIRED DAILY.
25. ALL EXCAVATION FOR THE PLACEMENT OF INLETS, PIPE, LATERALS, ETC. SHALL BE MINIMIZED WHERE POSSIBLE. THE CONTRACTOR SHALL USE SHORING, TRENCH BOXES, ETC. TO EXCAVATE AS LITTLE AS NECESSARY WHILE CONFORMING TO THE SAFETY REQUIREMENTS ESTABLISHED BY O.S.H.A.
26. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NPDES CONSTRUCTION STORMWATER PERMIT.

THE FOLLOWING IS A LIST OF STANDARD DRAWINGS CONTAINED IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD DRAWING BOOKLET, DATED 2012, WHICH APPLY TO THIS PROJECT.

INDEX NO.	STD. DRAWING NO.	DESCRIPTION
447	RPC-530	BEDDING AND FILL HEIGHTS FOR ALL ROADWAY PIPE CULVERTS (AND H.D.P.E. PIPE)
1049	TCM-703	PAVEMENT LEGENDS AND MARKINGS DETAILS
1301	SHS-1	STANDARD HIGHWAY SIGNS
1160	ESC-100 (SHEET 1 OF 2)	BEST MANAGEMENT PRACTICES REFERENCE MATRIX
1160-A	ESC-100 (SHEET 2 OF 2)	BEST MANAGEMENT PRACTICES REFERENCE MATRIX

THIS DRAWING REPRESENTS DESIGNS PREPARED BY THOMPSON ENGINEERING FOR SPECIFIC USE ON THIS PROJECT AND IS NOT TO BE COPIED, REPRODUCED, OR ALTERED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE THOMPSON ENGINEERING REPRESENTATIVE AUTHORIZED TO APPROVE THIS USE. UNAUTHORIZED USE IS SUBJECT TO LEGAL ACTION UNDER STATE AND FEDERAL LAW.

ISSUED FOR REVIEW

3/30-2012

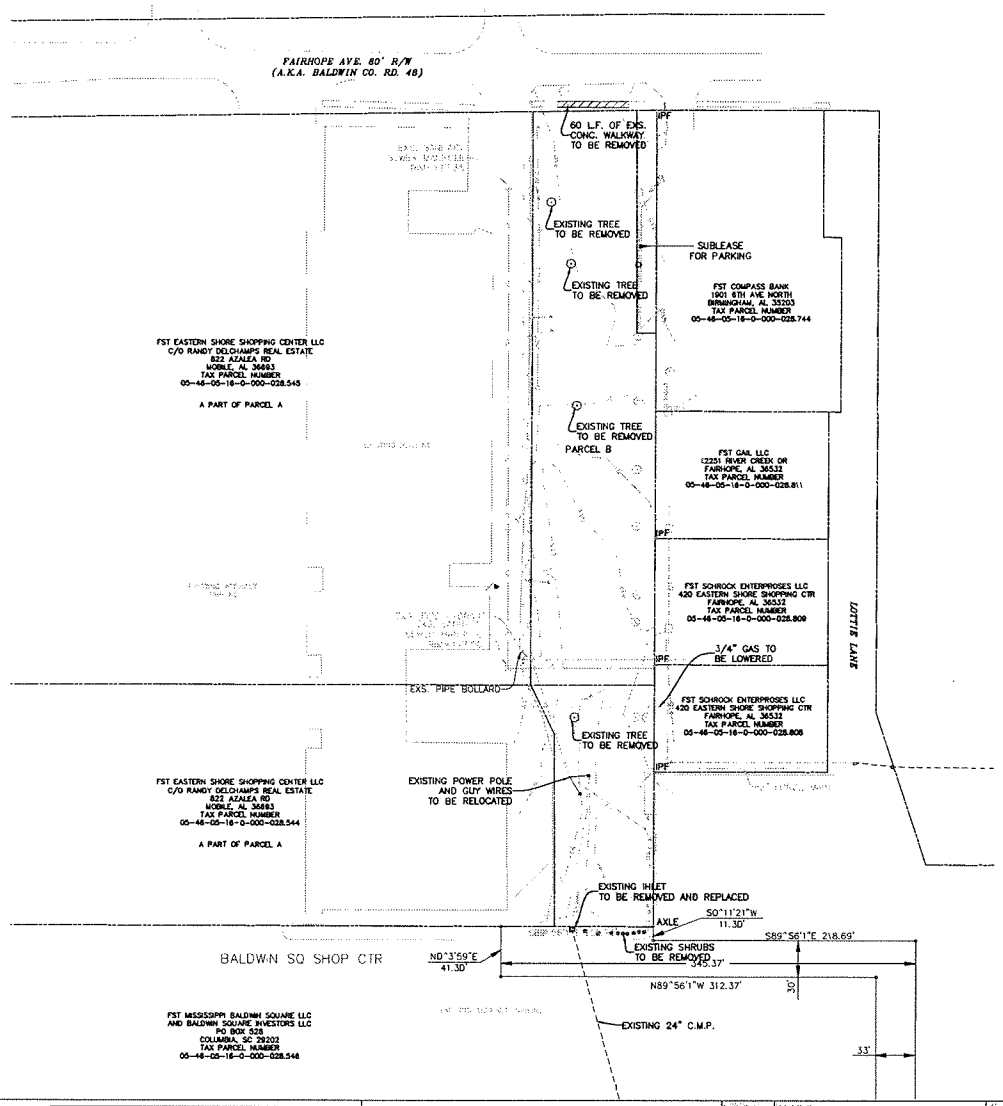
B.R.A.T.S.
FAIRHOPE,AL

thompson

NEW B.R.A.T.S. HUB

GENERAL NOTES & INDEX OF DRAWINGS

AS NOTED	1:1	P.B.	L.J.G.	L.J.G.	03-30-2012	09-5010-0015	C2.0	



GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)

DEMOLITION NOTES:

1. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH PROJECT ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2. CONTRACTOR LAYDOWN AREA SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.

3. ALL EXISTING ACCESS TO THE PROJECT SHALL BE MAINTAINED DURING CONSTRUCTION AND RETURNED TO PRE-CONSTRUCTION CONDITION BEFORE FINAL COMPLETION OF PROJECT.

4. CONCRETE SIDEWALK TO BE REMOVED SHALL BE REMOVED TO NEAREST JOINT.

NOTES:

1. THE BOUNDARY & TOPOGRAPHIC SURVEY SHOWN WAS PROVIDED BALDWIN COUNTY.

2. THE CONTRACTOR SHALL MAKE A SITE VISIT PRIOR TO CONSTRUCTION AND SHALL BRING ANY CONFLICTS OR CONCERNS TO THE ATTENTION OF THE CLIENT AND PROJECT ENGINEER IMMEDIATELY. BY COMMENCING CONSTRUCTION, THE CONTRACTOR ACCEPTS THE SITE AS SHOWN AND ANY RESURVEYING THAT MAY BE NECESSARY SHALL BE AT THE CONTRACTORS EXPENSE.

5. SAID PROJECT BEING LOCATED IN SECTION 16, T-6-S, R-2-E, BALDWIN COUNTY, AL

MAGNETIC

LEGEND

- .....AREA OF REQUIRED DEMOLITION
- IPF .....EXISTING IRON PIN FOUND
- .....EXISTING TREE (TO REMAIN)
- .....EXISTING COMMUNICATIONS MANHOLE
- .....EXISTING SANITARY SEWER MANHOLE
- .....EXISTING GUY POLE
- .....EXISTING POWER POLE
- AXLE .....EXISTING AXLE PROPERTY PIN
- .....EXISTING SHRUB
- .....EXISTING GRAVITY SANITARY SEWER LINE
- .....EXISTING 6" WATER MAIN
- .....EXISTING OVERHEAD ELECTRIC LINE
- .....EXISTING UNDERGROUND COMMUNICATIONS LINE
- .....LIMITS OF PROPERTY

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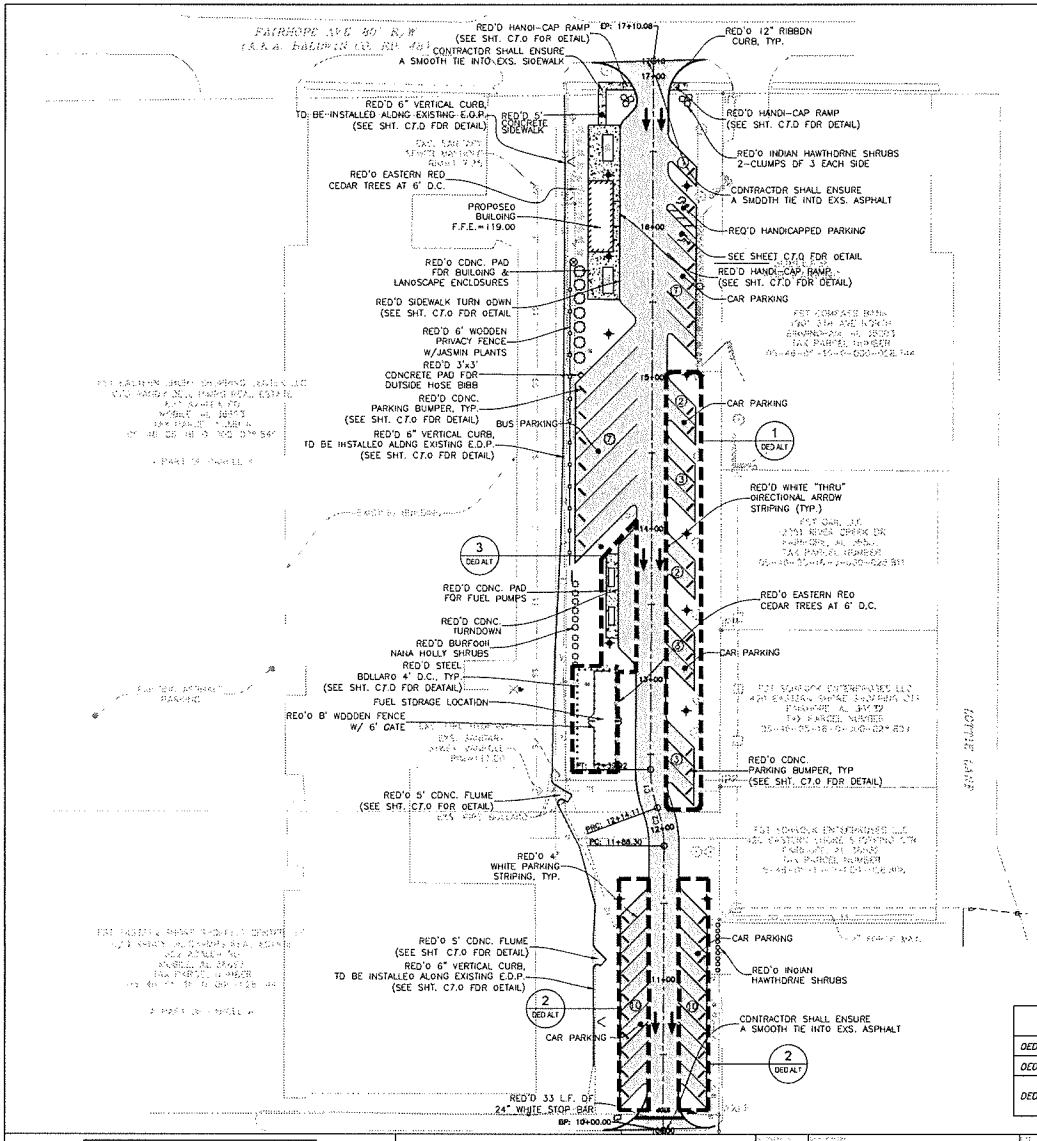
EXISTING CONDITIONS W/DEMOLITION

AS NOTED	1:1	P.B.	L.J.G.	L.J.G.	03-30-2012	09-5010-0015	C3.0



TREE TABLE				
SPECIES RETAINED	SIZE	DIVIDE BY 8	# OF CREDITS	TO BE REMOVED (DEDUCTIONS)
PECAN	40	8	5	
PECAN	44	8	5.5	
PECAN	44	8	5.5	
PECAN	45	8	5.625	
PECAN	48	8	6	
PECAN	49	8	6.125	
PECAN	98	8	12.25	
PECAN	100	6		23.5
PECAN	108	8	13.5	
PECAN	122	8	14	
PECAN	129	8		16.125
OAK	156	8	19.5	
		TOTAL CREDITS	93	29
		REQUIRED TREES (perimeter / 30ft)	51	
		TOTAL TREES TO BE PLANTED		
REQUIRED	51	CREDITS	92	29

LEGEND

- .....PROPOSED ASPHALT AREA
- .....PROPOSED CONCRETE AREA
- .....PROPOSED LIGHTPOST

GRAPHIC SCALE

40 0 20 40 80 160

(IN FEET)

MAGNETIC

SITE DATA TABLE	
TOTAL SITE	62,819 SQ. FT. (1.44 ACRES)
TOTAL BLDG. SQ. FT.	451 SQ. FT.
REQUIRED PARKING	(17,600/200) 0.5 =44 SPACES
TOTAL REGULAR PARKING PROVIDED	46 SPACES
TOTAL HANDICAP PARKING REQUIRED	2 SPACES
TOTAL HANDICAP PARKING PROVIDED	2 SPACES
TOTAL PARKING	48 SPACES
TOTAL LANDSCAPE AREA REQUIRED	(10% OF SITE) 6,282 SQ. FT. (0.14 ACRES)
TOTAL LANDSCAPE AREA PROVIDED	8,952 SQ. FT. (0.21 ACRES)

NOTES:

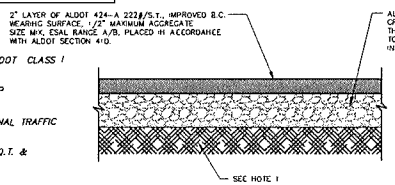
1. ALL STRIPING AND PAVEMENT MARKS SHALL BE PER SEC. 700 ALDOT CLASS I TYPE B.
2. REFER TO A.L.D.O.T. INDEX No. 1301-SHS-1 FOR DETAILS OF STOP SIGN (R1-1).
3. REFER TO A.L.D.O.T. INDEX No. 1049-TCM-703 FOR ALL DIRECTIONAL TRAFFIC MARKING DETAILS.
4. ALL STRIPING SHALL BE IN ACCORDANCE WITH ALL CURRENT A.L.D.O.T. & M.U.T.C.D. STANDARDS AND SPECIFICATIONS.
5. SEE SHEET C7.0 FOR CONSTRUCTION DETAILS.
6. SEE SHEET C7.0 FOR HANDICAP PARKING DETAILS.
7. CONTRACTOR SHALL ENSURE A SMOOTH TIE-IN TO EXISTING ASPHALT PAVING ALONG COUNTY ROAD 48 AND THE BALDWIN SQUARE SHOPPING CENTER ASPHALT PARKING.
8. CONTRACTOR SHALL SAWCUT EXISTING EDGE OF ASPHALT PAVEMENT ALONG DELIEVERY ACCESS TO BUILDING WEST OF SITE PRIOR TO INSTALLATION OF 6" CONCRETE VERTICAL CURB.

DEDUCTIVE ALTERNATE NUMBER

2 DED ALT

ABBREVIATION FOR DEDUCTIVE

EXPLANATION OF DEDUCTIVE ALTERNATES	
DEDUCTIVE ALTERNATE NO. 1	DELINEATED EAST ASPHALT PARKING
DEDUCTIVE ALTERNATE NO. 2	DELINEATED SOUTH ASPHALT PARKING
DEDUCTIVE ALTERNATE NO. 3	FUEL STORAGE TANKS, PUMPS AND ASPHALT STAGING AREA



PARKING AREA ASPHALT PAVEMENT SECTION STANDARD DUTY

N.T.S.

PARKING AREA PAVEMENT NOTES:

1. PAVEMENT SUBGRADE PREPARATION: SITE PREPARATION WITHIN PAVEMENT AREAS SHOULD BE INITIATED BY CLEARING, GRUBBING, AND REMOVING SURFICIAL ORGANICS AND OTHERWISE DELETERIOUS MATERIALS. THE SUBGRADE SHOULD BE INSPECTED FOR AREAS OF VERY LOOSE OR VERY SOFT SUBGRADE. THEN ONCE APPROVED BY A QUALIFIED MATERIAL'S TECHNICIAN, THE SUBGRADE SHALL BE SCARIFIED AND COMPACTED TO 95 PERCENT OF THE MATERIAL'S STANDARD PROCTOR DENSITY (SPD). TO ACHIEVE FINISH SUBGRADE LEVELS, "STRUCTURAL FILL" SHALL BE PLACED IN MAXIMUM 8 INCH THICK LOOSE LIFTS, AND EACH LIFT SHOULD BE COMPACTED TO AT LEAST 95 PERCENT SPD, WITH THE FINAL LIFT COMPACTED TO 100% SPD. IF THE SUBGRADE SOILS SATISFY THE REQUIREMENTS OF "SELECT SAND" AS SPECIFIED BELOW, THE SUBGRADE SHALL BE COMPACTED TO 90 PERCENT OF THE MATERIAL'S RELATIVE DENSITY AS PER ASTM D-2726. A MINIMUM OF 12 INCHES OF "STRUCTURAL FILL" SHALL SERVE AS THE PAVEMENT SUBBASE.
2. FIELD COMPACTION SHALL BE AT FIELD MOISTURE CONTENT WITHIN PLUS OR MINUS 2 PERCENT OF LABORATORY OPTIMUM MOISTURE.
3. "STRUCTURAL FILL" SHALL BE A SANDY MATERIAL FREE OF ORGANICS, DEBRIS, AND OTHERWISE DELETERIOUS MATERIALS AND CONTAINING BETWEEN 12 AND 25 PERCENT PASSING THE NO. 200 SIEVE AND 95 PERCENT OR LESS PASSING THE NO. 40 SIEVE, BY WEIGHT.

"SELECT SAND" SHALL CONSIST OF A LOCALLY AVAILABLE P-3 MATERIAL DEFINED AS A MEDIUM TO COARSE SAND CONTAINING LESS THAN 90% PERCENT PASSING THE NO. 40 SIEVE AND LESS THAN 5 PERCENT PASSING THE NO. 200 SIEVE, BY WEIGHT. MAXIMUM LOOSE LIFT THICKNESSES OF 8 TO 12 INCHES SHALL BE COMPACTED TO 90 PERCENT OF THE MATERIAL'S RELATIVE DENSITY AS PER ASTM D-2726. USE OF "SELECT SAND" MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER OF RECORD.

ONSITE SOILS FREE OF DEBRIS AND ORGANICS AND WHICH ADHERE TO THE SPECIFICATIONS FOR "STRUCTURAL FILL" OR "SELECT SAND" MAY BE STOCKPILED AND REUSED AS FILL MATERIAL IN ACCORD WITH THE ABOVE SPECIFICATIONS.

Curve Table: Alignments					
Curve #	Radius	Length	Chord Direction	Chord Length	Delta
C1	72.00	25.81	N10° 04' 51.88"W	25.67	20°32'25"
C2	72.00	25.81	N10° 04' 51.88"W	25.67	20°32'25"

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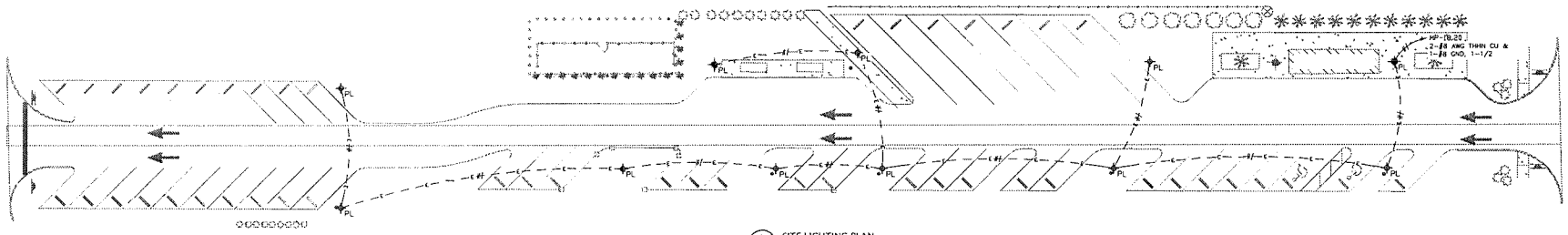
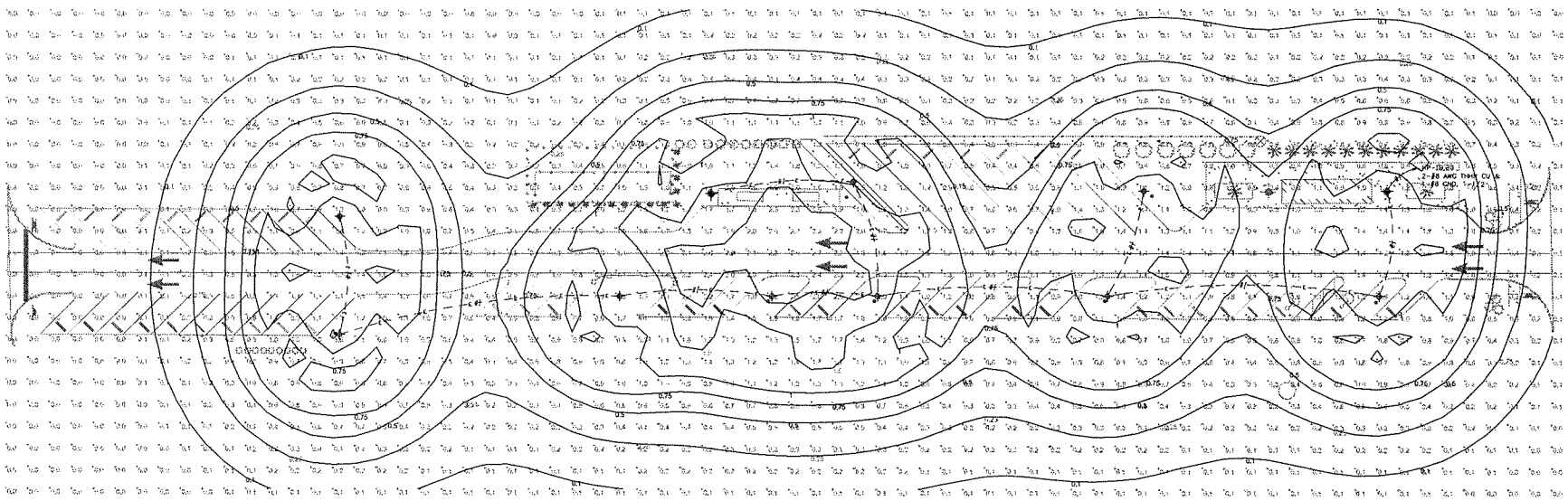
SITE PLAN

AS NOTED	1:1	P.B.	L.J.G.	L.J.G.	03-30-2012	09-5010-0015	C4.0



1 E1.0 SITE LIGHTING PLAN
SCALE 1" = 25'-0"



2 E1.0 LIGHTING PHOTOMETRICS
SCALE 1" = 25'-0"

STATISTICS						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
SITE	+	0.5 fc	2.7 fc	0.0 fc	N/A	N/A

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ISSUED FOR REVIEW

REVISION NO.	DESCRIPTION	DATE	BY:
REVISION NO.	DESCRIPTION	DATE	BY:
REVISION NO.	DESCRIPTION	DATE	BY:
REVISION NO.	DESCRIPTION	DATE	BY:
REVISION NO.	DESCRIPTION	DATE	BY:
REVISION NO.	DESCRIPTION	DATE	BY:

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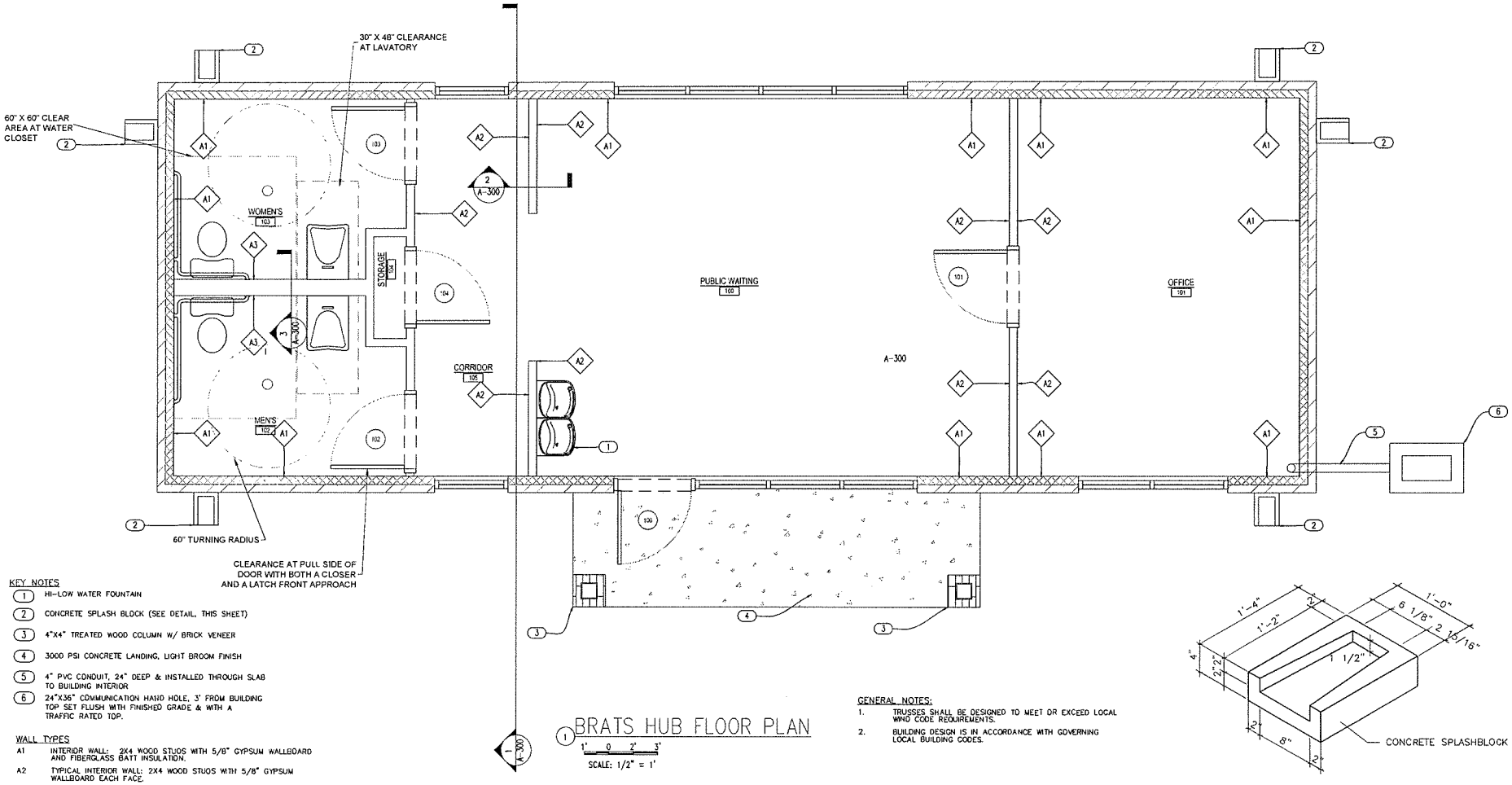
FAX: (251) 986-8422

NEW B.R.A.T.S. HUB

BRATS HUB
SITE LIGHTING PLAN

SCALE:	PLOT SCALE:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:	JOB NO.:	DRAWING NO.	REVISION NO.:
AS NOTED	1:1	G.W.S	G.W.S	G.W.S	03-02-2012	09-5010-0015	E1.0	



KEY NOTES

1. HI-LOW WATER FOUNTAIN
2. CONCRETE SPLASH BLOCK (SEE DETAIL, THIS SHEET)
3. 4"X4" TREATED WOOD COLUMN W/ BRICK VENEER
4. 3000 PSI CONCRETE LANDING, LIGHT BROOM FINISH
5. 4" PVC CONDUIT, 24" DEEP & INSTALLED THROUGH SLAB TO BUILDING INTERIOR
6. 24"X36" COMMUNICATION HAND HOLE, 3' FROM BUILDING TOP SET FLUSH WITH FINISHED GRADE & WITH A TRAFFIC RATED TOP.

WALL TYPES

A1 INTERIOR WALL: 2X4 WOOD STUDS WITH 5/8" GYPSUM WALLBOARD AND FIBERGLASS BATT INSULATION.

A2 TYPICAL INTERIOR WALL: 2X4 WOOD STUDS WITH 5/8" GYPSUM WALLBOARD EACH FACE.

A3 INTERIOR WALL: 2X6 WOOD STUDS WITH 5/8" GYPSUM WALLBOARD AND 1/2" CEMENTITIOUS BACKER BOARD, BOTH SIDES.

1 BRATS HUB FLOOR PLAN

1' 0 2' 3'

SCALE: 1/2" = 1'

GENERAL NOTES:

1. TRUSSES SHALL BE DESIGNED TO MEET OR EXCEED LOCAL WIND CODE REQUIREMENTS.
2. BUILDING DESIGN IS IN ACCORDANCE WITH GOVERNING LOCAL BUILDING CODES.

2 CONCRETE SPLASH BLOCK DETAIL
N.T.S.

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STATE OF ALABAMA JAMES H. CLARKE NO. 3515 REGISTERED ARCHITECT

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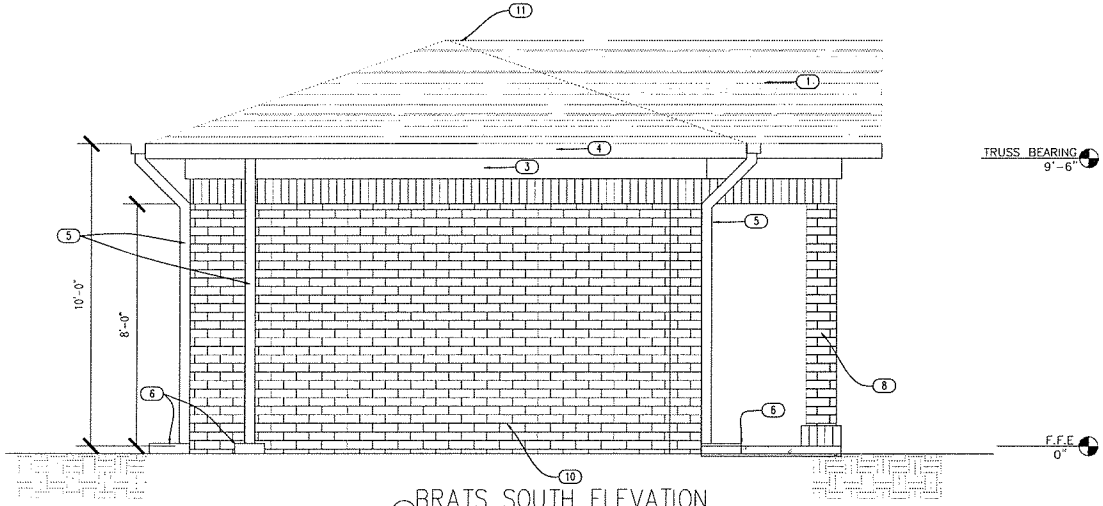
NEW B.R.A.T.S. HUB

NEW BRATS HUB FLOOR PLAN

AS NOTED	1:1	P.B.	L.J.G.	L.J.C.	03-30-2012	09-SD10-0015	A-100



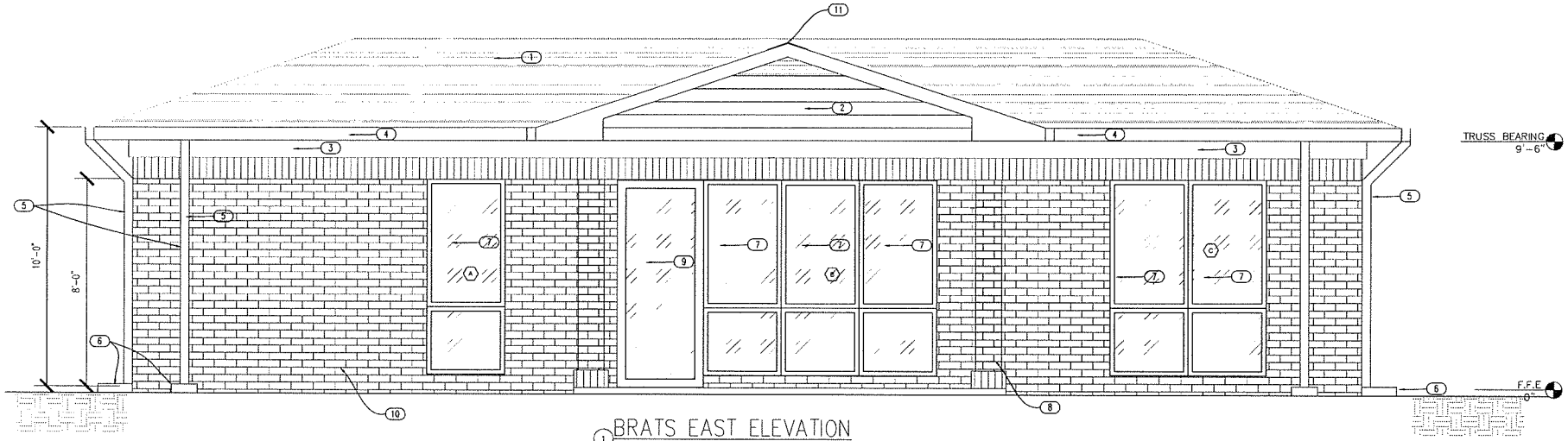
1 BRATS SOUTH ELEVATION

1' 0 2' 3'

SCALE: 1/2" = 1'

KEY NOTES

1. ASPHALT SHINGLES (MINIMUM CLASS H) (COLOR TO BE OWNER-SELECTED) OVER SELF-ADHEREING UNDER-LAYMENT
2. HARDI-PLANK SIDING (SEE FINISH SCHEDULE)
3. FRIEZE BOARD (SEE FINISH SCHEDULE)
4. 4"X4" PREFINISHED GALVANIZED METAL GUTTER, 26 GA. MIN.
5. 4"X4" PREFINISHED GALVANIZED METAL DOWNSPOUT, 26 GA. MIN.
6. CONCRETE SPLASH BLOCK
7. SCHEDULED WINDOW (SEE WINDOW SCHEDULE)
8. 4"X4" TREATED WOOD COLUMN W/BRICK VENEER
9. SCHEDULED DOOR (SEE DOOR SCHEDULE)
10. BRICK VENEER OVER 1/2" PLYWOOD SHEATHING WITH MOISTURE BARRIER (BRICK SHALL BE: COLUMBUS BRICK MODULAR-JEFFERSON MANOR; MORTAR SHALL BE: HOLCHIM STD. GRAY "H")
11. RIDGE VENT



1 BRATS EAST ELEVATION

1' 0 2' 3'

SCALE: 1/2" = 1'

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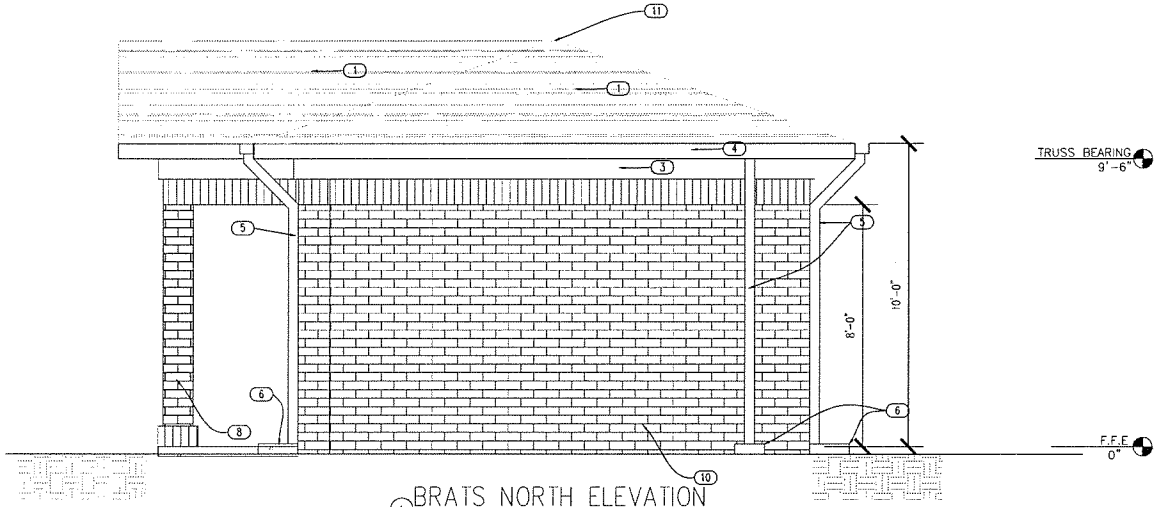
NEW B.R.A.T.S. HUB

NEW BRATS HUB
EXTERIOR ELEVATIONS

AS NOTED	1:1	P.B.	L.J.G.	L.J.G.	03-30-2012	09-5010-0015	A-200



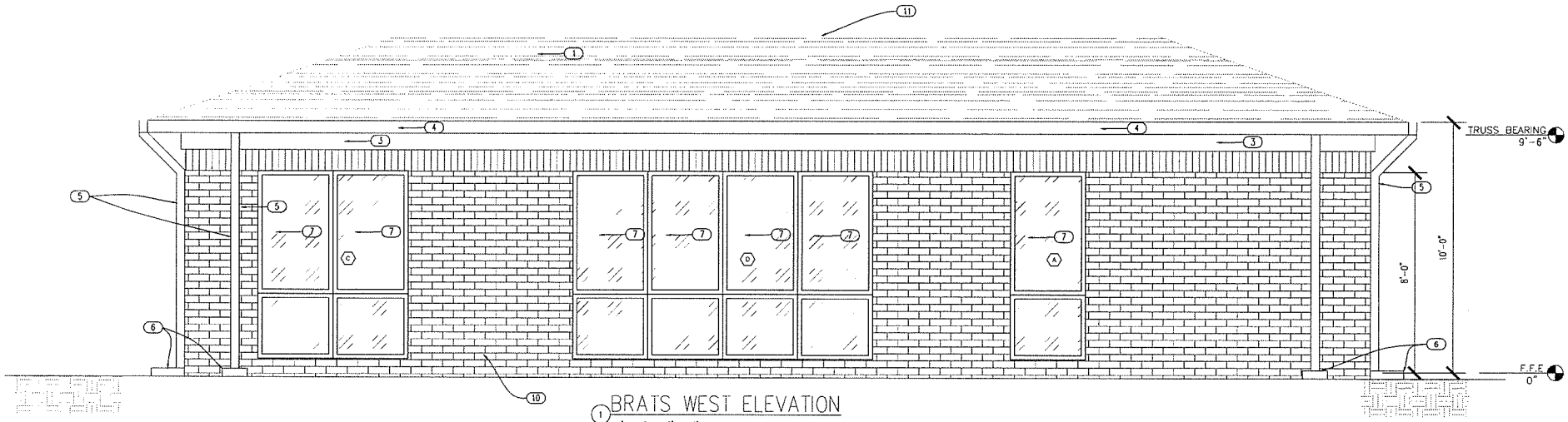
1 BRATS NORTH ELEVATION

1' 0 2' 3'

SCALE: 1/2" = 1'

KEY NOTES

1. ASPHALT SHINGLES (MINIMUM CLASS H) (COLOR TO BE OWNER-SELECTED) OVER SELF-ADHERING UNDER-LAYMENT
2. HARDI-PLANK SIDING (SEE FINISH SCHEDULE)
3. FRIEZE BOARD (SEE FINISH SCHEDULE)
4. 4"X4" PREFINISHED GALVANIZED METAL GUTTER, 26 GA. MIN.
5. 4"X4" PREFINISHED GALVANIZED METAL DOWNSPOUT, 26 GA. MIN.
6. CONCRETE SPLASH BLOCK
7. SCHEDULED WINDOW (SEE WINDOW SCHEDULE)
8. 4"X4" TREATED WOOD COLUMN W/BRICK VENEER (MATCH BRICK/MORTAR AS DESCRIBED IN KEYNOTE 10)
9. SCHEDULED DOOR (SEE DOOR SCHEDULE)
10. BRICK VENEER OVER 1/2" PLYWOOD SHEATHING WITH MOISTURE BARRIER (BRICK SHALL BE: COLUMBUS BRICK MODULAR-JEFFERSON MANOR; MORTAR SHALL BE: HOLCHIM STD. GRAY "N")
11. RIDGE VENT



1 BRATS WEST ELEVATION

1' 0 2' 3'

SCALE: 1/2" = 1'

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NEW BRATS HUB
EXTERIOR ELEVATIONS

AS NOTED	1:1	P.B.	L.J.G.	L.J.G.	03-30-2012	09-5010-0015	A-201