



Solicitation Amendment No. 1

| | | | |
|--|--|---------------------|--|
| To: Prospective Bidder/Offeror: | | Date: | |
| Prospective Bidders | | February 26, 2020 | |
| Project Title: | | Project No.: | |
| Perimeter Fence and Drainage Improvements for North Forest Campus | | IFB 20-21 | |
| <p>Description of Solicitation Amendment: The Invitation for Bid (Project IFB No. 20-21) is hereby amended as set forth below:</p> <ol style="list-style-type: none"> The Bid Documents, Public Link on Page No. 6 of 49, has been removed in its entirety and replace with the following, Construction Drawings: (as per below) <p>Please visit our website at https://www.hccs.edu/about-hcc/procurement/</p> <p>Except as provided herein, all terms and conditions of the solicitation remain unchanged and in full force and effect.</p> | | | |
| Acknowledgement of Amendment No. by: | | Date: | |
| | | | |
| Company Name (Bidder/Offerer): | | | |
| | | | |
| Signed by: | | | |
| | | | |
| Name (Type or Print): | | Title: | |
| | | | |



NORTHEAST COLLEGE

HOUSTON, TEXAS

NORTH FOREST CAMPUS PERIMETER FENCE AND DRAINAGE IMPROVEMENTS

6010 LITTLE YORK ROAD
HOUSTON, TX 77016

TABS2020010473
ISSUED FOR CONSTRUCTION
JANUARY 28, 2020

HOUSTON COMMUNITY COLLEGE
3100 MAIN STREET, HOUSTON, TEXAS 77002
(713) 714-2020 FAX (713) 714-7617

OWNER

PGAL, INC.
3121 BRANDSPRING DRIVE, SUITE 200 HOUSTON, TX 77042
(713) 822-1444 FAX (713) 968-6233

ARCHITECT & CIVIL

HENDERSON + ROGERS, INC.
2002 Augusta Dr #600, Houston, TX 77057
(713) 430-6800 FAX (713) 430-6688

STRUCTURAL ENGINEER

INFRASTRUCTURE
6117 RICHMOND AVENUE, SUITE 200, HOUSTON, TX 77057
(713) 822-0120 FAX (713) 822-0537

MEP ENGINEER

FERGUSON CONSULTING
3702 TOURNAMENT LANE, MAGNOLIA, TEXAS 77355
(281) 252-8222 FAX (281) 683-4773

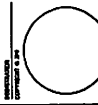
TELECOMMUNICATIONS & SECURITY

M2L ASSOCIATES INC.
8854 KATY FREEWAY, SUITE 300 HOUSTON, TEXAS 77024
(713) 722-8857 FAX (713) 722-8043

LANDSCAPE ARCHITECT

SHEET INDEX

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C8.00 COH STANDARD DETAILS - GENERAL
C8.10 COH STANDARD DETAILS - STORM
L1.01 LANDSCAPE PLAN
L1.02 LANDSCAPE SITE DEVELOPMENT PLAN
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S0.00 GENERAL NOTES AND DETAILS
E1.01 NOTES AND LEGENDS
E1.02 ONE LINE DIAGRAM
E2.01 SITE PLAN - ELECTRICAL
SC1.01 SITE PLAN - SECURITY
SC3.01 ENLARGED PLANS - SECURITY
SC3.02 SECURITY DETAILS



PROJECT INFORMATION

ADDRESS: 6010 HUNTERWOOD ROAD AT LITTLE YORK
 HOUSTON, TX 77018

OWNER: HOUSTON COMMUNITY COLLEGE
 1100 WEST 17TH STREET
 HOUSTON, TX 77002
 CITY: HOUSTON, TX
 (713) 774-2000

PROJECT DESCRIPTION

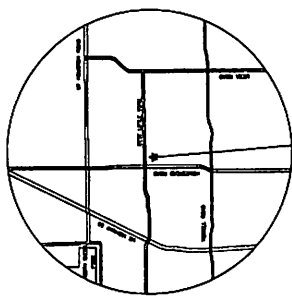
SEE EXISTING FENCE ON EXISTING CAMPUS
 IMPROVEMENTS TO EXISTING SITE STORM DRAINAGE SYSTEM
 TOTAL AREA WITHIN PROPOSED FENCE 12.08 ACRES
 588,458 C.S.F.
 TOTAL CAMPUS AREA 43.35 ACRES
 1,880,792 C.S.F.

APPLICABLE CODES:

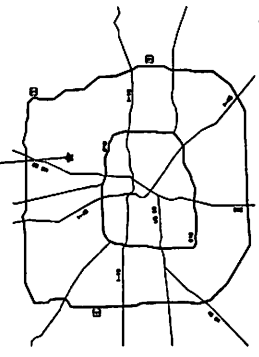
- BUILDING CODE 2012 IRC WITH HOUSTON AMENDMENTS
- ELECTRICAL CODE 2017 NATIONAL ELECTRICAL CODE
- FIRE CODE 2012 IRC WITH HOUSTON AMENDMENTS
- ACCESSIBILITY 2012 TEXAS ACCESSIBILITY STANDARDS
- SIGN CODE COM SIGN CODE

GOVERNING GUIDELINES:

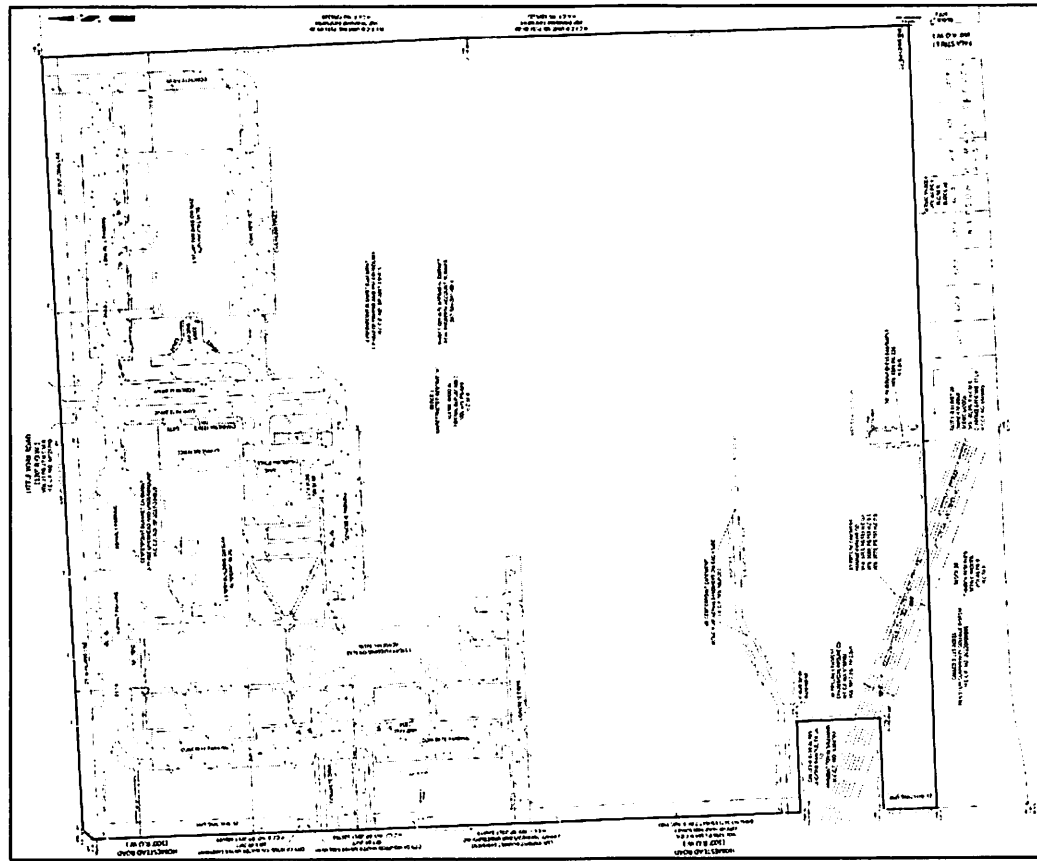
HOUSTON COMMUNITY COLLEGE (HCC) DESIGN STANDARDS



PROPERTY LINE



AREA, ACP



NOTICE TO CONTRACTOR

The following information is provided for your information and is not to be used as a contract document. The contract documents shall govern.

DATE OF SURVEY: 10/15/14

PROJECT NO.: 110001

PROJECT NAME: HOUSTON COMMUNITY COLLEGE - SITE IMPROVEMENTS

CLIENT: HOUSTON COMMUNITY COLLEGE

PROJECT LOCATION: 1100 WEST 17TH STREET, HOUSTON, TX 77002

SCALE: AS SHOWN

DATE OF PLOTTING: 10/15/14

PLOTTED BY: J. B. BROWN

PROJECT INFORMATION

PROJECT NO.: 110001

PROJECT NAME: HOUSTON COMMUNITY COLLEGE - SITE IMPROVEMENTS

CLIENT: HOUSTON COMMUNITY COLLEGE

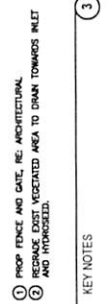
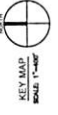
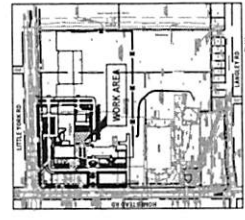
PROJECT LOCATION: 1100 WEST 17TH STREET, HOUSTON, TX 77002

SCALE: AS SHOWN

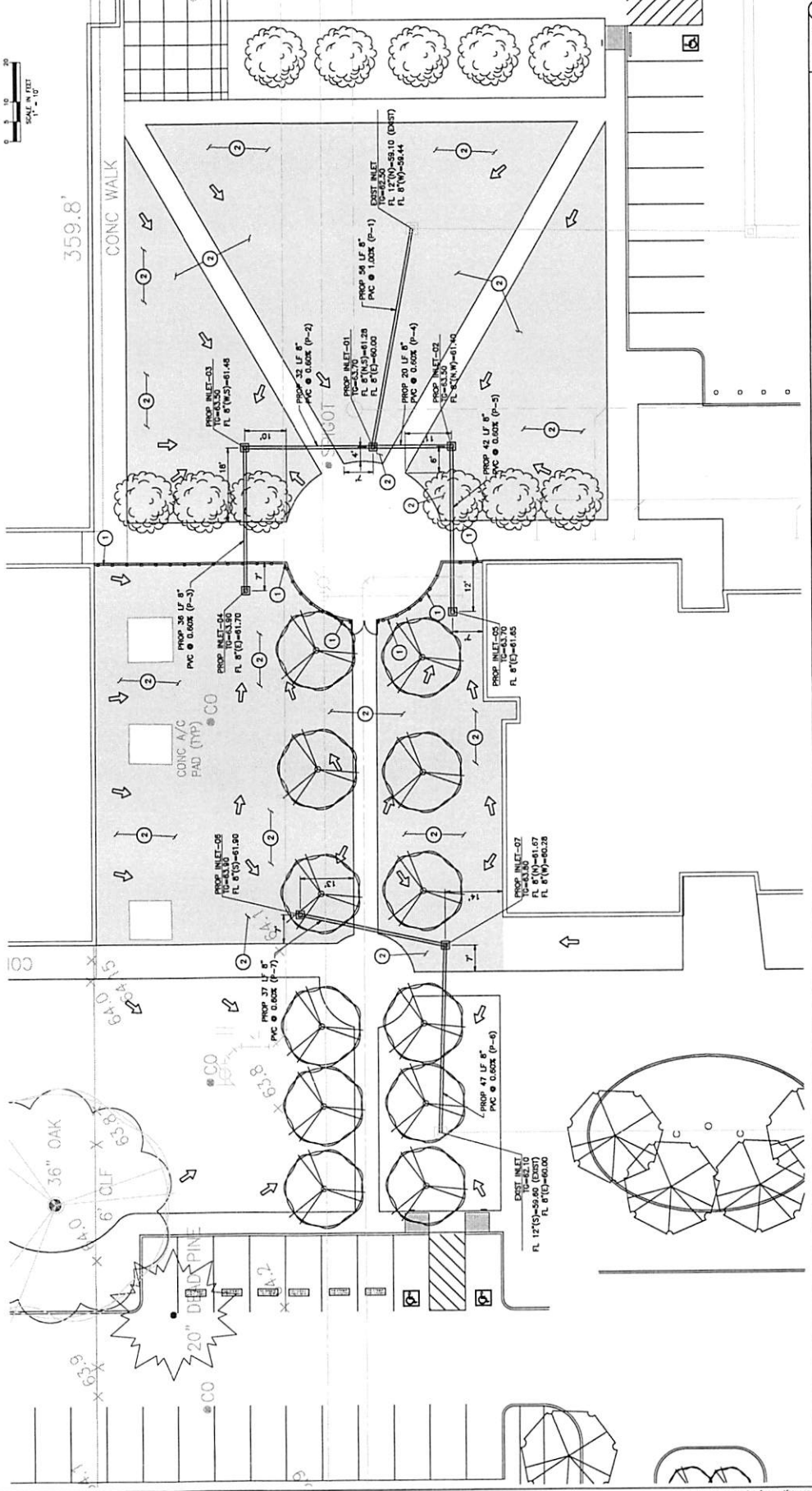
DATE OF PLOTTING: 10/15/14

PLOTTED BY: J. B. BROWN

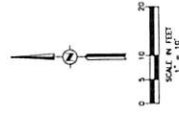
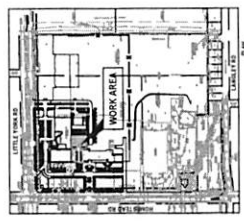
REMARKS:
1. ALL DIMENSIONS AND COORDINATES ARE TO FACE OF CURB OR OUTSIDE OF BUILDING FACE UNLESS NOTED OTHERWISE.
2. REFER TO SHEET C1.01 FOR OVERALL SITE PLAN PREPARED BY PG&L.
3. ALL DISTURBED GRASS AND NON-SAVED TREES NOT INDICATED FOR IMPROVEMENTS BY LANDSCAPING PLANS ARE TO BE MAINTAINED AND PROTECTED. ALL EXISTING TREES AND SHRUBS AS INDICATED TO MATCH FINISH GRADE FOR CHANGING PLAN.
4. REFER TO ARCHITECTURAL PLANS FOR SPECIAL FINISH FINISH REFER TO ARCHITECTURAL PLANS FOR ALL MINIMUM AND ADDITIONAL REQUIREMENTS.



- GENERAL NOTES**
1. ALL DIMENSIONS AND COORDINATES ARE TO FACE OF CURB OR OUTSIDE OF BUILDING FACE UNLESS NOTED OTHERWISE.
 2. REFER TO SHEET C1.01 FOR OVERALL SITE PLAN PREPARED BY PG&L.
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 4. REFER TO ARCHITECTURAL PLANS FOR SPECIAL FINISH FINISH REFER TO ARCHITECTURAL PLANS FOR ALL MINIMUM AND ADDITIONAL REQUIREMENTS.



REVISIONS:
1. REVISED TO SHOW THE PROPOSED WORK AREA AND THE EXISTING CONCRETE WALKWAY. THE EXISTING CONCRETE WALKWAY IS TO BE REPAIRED AND THE PROPOSED WORK AREA IS TO BE CONCRETE. THE EXISTING CONCRETE WALKWAY IS TO BE REPAIRED AND THE PROPOSED WORK AREA IS TO BE CONCRETE. THE EXISTING CONCRETE WALKWAY IS TO BE REPAIRED AND THE PROPOSED WORK AREA IS TO BE CONCRETE.



LEGEND

- DRAINAGE AREA NUMBER
- AREA RUNOFF COEFFICIENT
- DRAINAGE AREA BOUNDARY
- SHEET FLOW DIRECTION
- PROP. STORM INLET
- PROP. STORM SEWER LINE

3 CALCULATION FOR PIPE CAPACITY

| Pipe No. | Area, ac | Runoff Coefficient | Tc, min | Rainfall Intensity, in/hr | Material | Slope, % | Pipe Size, in | Velocity, ft/s | Capacity, cfs | 2-yr Runoff, cfs |
|----------|----------|--------------------|---------|---------------------------|----------|----------|---------------|----------------|---------------|------------------|
| P1 | 0.550 | 0.50 | 24.00 | 3.48 | 0.011 | 1.000 | 8.00 | 4.10 | 1.43 | 0.96 |
| P2 | 0.700 | 0.50 | 22.53 | 3.59 | 0.011 | 0.600 | 8.00 | 3.18 | 1.11 | 0.36 |
| P3 | 0.110 | 0.50 | 21.78 | 3.65 | 0.011 | 0.600 | 8.00 | 3.18 | 1.11 | 0.20 |
| P4 | 0.130 | 0.50 | 21.88 | 3.63 | 0.011 | 0.600 | 8.00 | 3.18 | 1.11 | 0.24 |
| P5 | 0.050 | 0.50 | 20.90 | 3.72 | 0.011 | 0.600 | 8.00 | 3.18 | 1.11 | 0.09 |
| P6 | 0.080 | 0.50 | 21.41 | 3.68 | 0.011 | 0.600 | 8.00 | 3.18 | 1.11 | 0.15 |
| P7 | 0.040 | 0.50 | 20.67 | 3.74 | 0.011 | 0.600 | 8.00 | 3.18 | 1.11 | 0.07 |

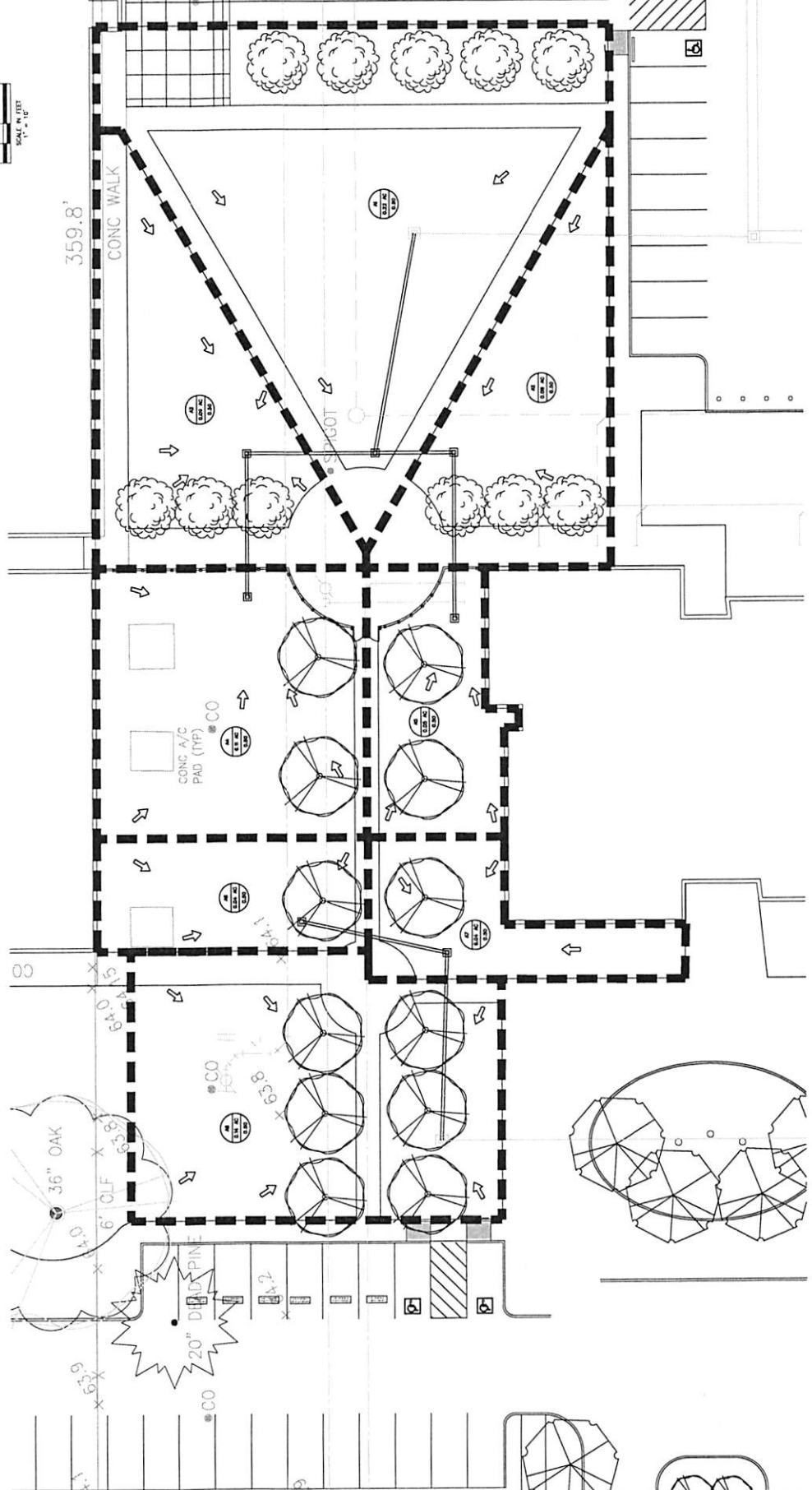
2 CALCULATION FOR DRAINAGE AREA

| Area No. | Area, ac | Runoff Coefficient | Tc, min | Rainfall Intensity, in/hr | 2-yr Runoff, cfs |
|----------|----------|--------------------|---------|---------------------------|------------------|
| A1 | 0.230 | 0.50 | 22.66 | 3.58 | 0.39 |
| A2 | 0.080 | 0.50 | 21.41 | 3.68 | 0.15 |
| A3 | 0.090 | 0.50 | 21.54 | 3.66 | 0.16 |
| A4 | 0.110 | 0.50 | 21.78 | 3.65 | 0.20 |
| A5 | 0.050 | 0.50 | 20.90 | 3.72 | 0.09 |
| A6 | 0.040 | 0.50 | 20.67 | 3.74 | 0.07 |
| A8 | 0.140 | 0.50 | 22.07 | 3.62 | 0.25 |

LEGEND

3 CALCULATION FOR PIPE CAPACITY

2 CALCULATION FOR DRAINAGE AREA

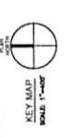
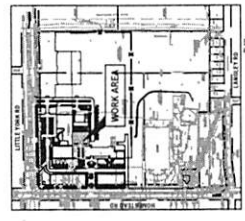


DRAINAGE AREA MAP

| | |
|-----|---------------------------|
| NO. | DESCRIPTION |
| 1 | CONTRACT NO. 2019-00000 |
| 2 | PROJECT NO. 2019-00000 |
| 3 | CONTRACTOR NO. 2019-00000 |



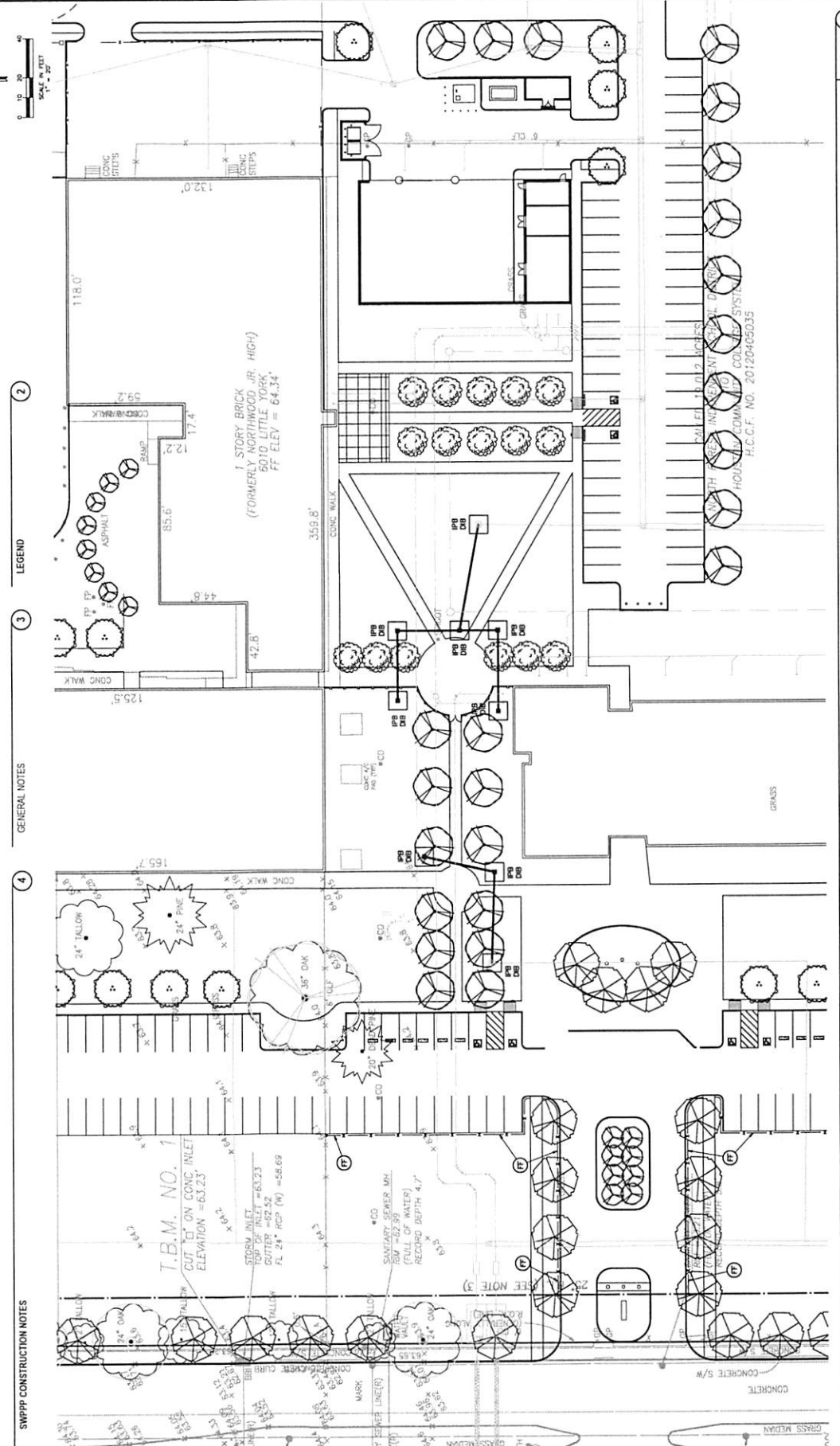
REVISIONS:
1. HARRIS COUNTY (LOCAL CONTROL DISTRICT 2-40) HAS BEEN SHOWN TO THE EAST OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.
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9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.



- LEGEND**
- 1. FILTER FABRIC FENCE
RE: DET. 1, SHT C5.00
 - 2. INLET PROTECTION BARRIER
RE: DET. 1, SHT C5.00
 - 3. DROP INLET BASKET

- GENERAL NOTES**
1. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM HARRIS COUNTY AND THE CITY OF HOUSTON TO CONDUCT ANY WORK IN THESE AREAS.

1. CONTRACTOR SHALL MAINTAIN INLET PROTECTION DEVICES AND FILTER FABRIC BARRIERS AT LOCATIONS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN THROUGHOUT THE CONSTRUCTION PERIOD. THESE DEVICES SHALL BE MAINTAINED IN GOOD WORKING ORDER AND SHALL BE REPAIRED OR REPLACED AS NECESSARY.
2. DURING THE DEMOLITION PHASE OF THE PROJECT, CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
3. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
4. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
5. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
6. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
7. RESTORE AND STABILIZE ALL DISTURBED SOIL AREAS AS SOON AS POSSIBLE BY INSTALLATION OF PAVING, HYDRO-MULCH SEEDING AND EROSION CONTROL MEASURES. ALL SWPPP CONTROLS UNTIL ALL DISTURBED AREAS ARE STABILIZED.
8. UPON COMPLETION OF CONSTRUCTION, THE PERMANENT STORM WATER COLLECTION SYSTEM SHALL BE INSTALLED AND OPERATIONAL. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
9. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
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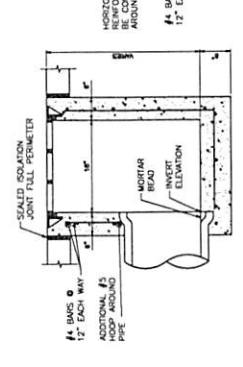
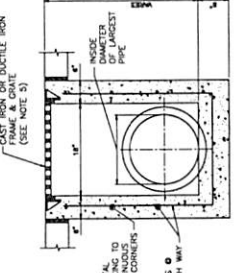
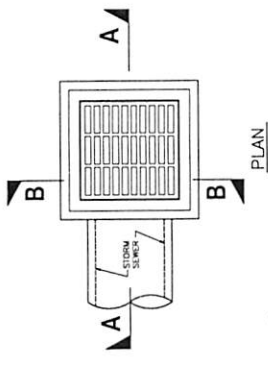


- SWPPP CONSTRUCTION NOTES**
1. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
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 5. CONTRACTOR SHALL MAINTAIN ALL EXISTING STORM WATER COLLECTION SYSTEMS AND SHALL PREVENT ANY MATERIALS FROM ENTERING INTO THE STORM SEWER SYSTEM AND OUTLET DITCHES THAT EVENTUALLY POLLUTE THE RECEIVING WATER SYSTEMS.
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Table with 3 columns: REVISION, DATE, DESCRIPTION



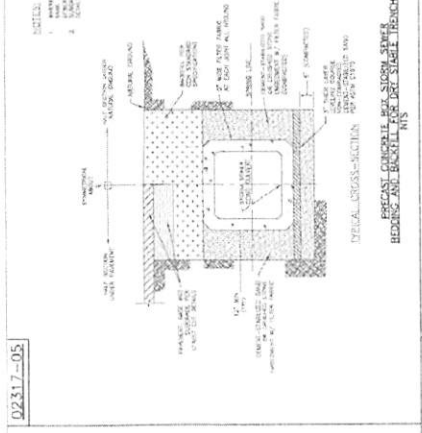
- NOTES:
1. SIMILAR SIZE PRECAST CONCRETE GRATE INLET SHALL BE USED UNLESS OTHERWISE SPECIFIED. SUBJECT TO REVIEW AND APPROVAL BY ENGINEER.
 2. GRATE AND INLET SHALL BE DESIGNED FOR ASHTRIO HS-20 WHEEL LOADING.
 3. PRECAST CONCRETE SHALL MEET 4000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS.
 4. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60.
 5. RAILZ AND GRATE SHALL BE EAST JORDAN IRON WORKS V-5622 ON APPROVED TOTAL.



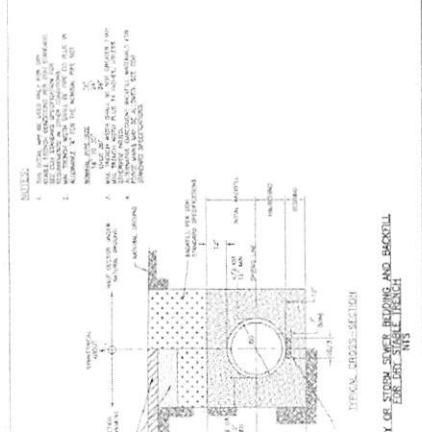
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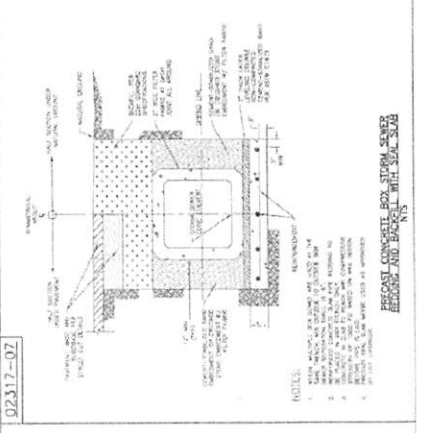
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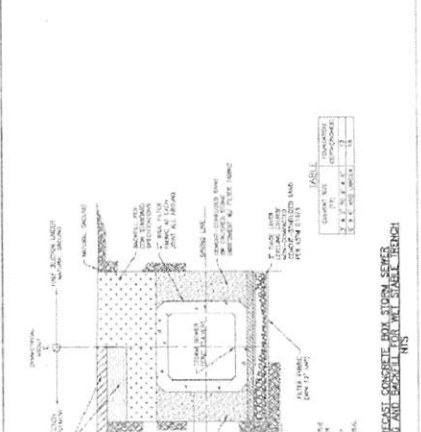
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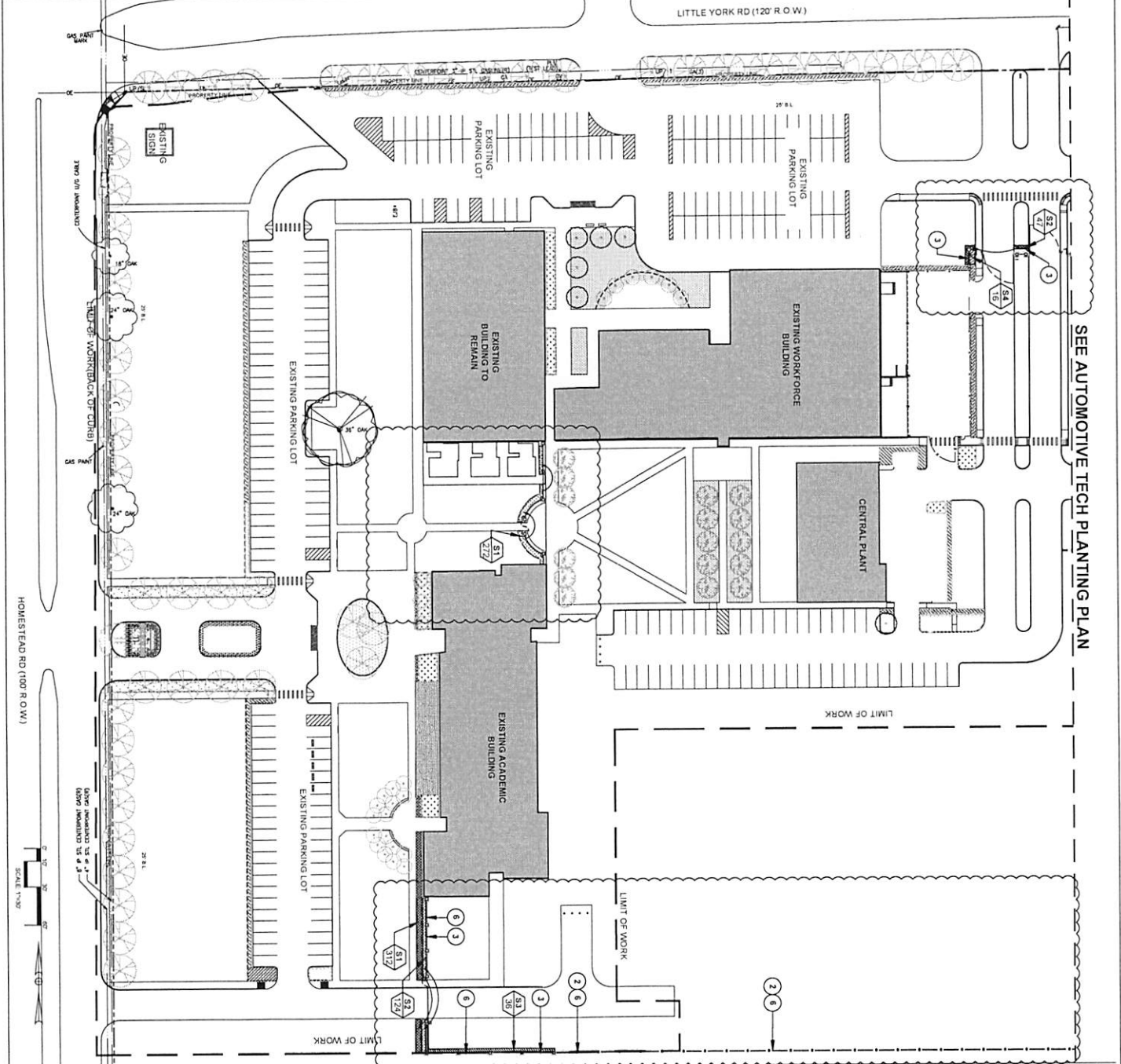
02317-06



02317-07



CITY OF HOUSTON
PROJECT NUMBER: 1002047
SHEET TITLE: COH STANDARD DETAILS - STORM SEWER
DATE PLOTTED: 01/28/2020 11:18 AM



SEE AUTOMOTIVE TECH PLANTING PLAN

- A. CONTRACTOR TO LAYOUT ALL PLANTING BED LIMITS AND LOCATIONS OF ALL PROPOSED TREES IN THE FIELD FOR APPROVAL OF LANDSCAPE ARCHITECT
- B. TREES SHALL BE PLANTED WITHIN THE PROPOSED PLANTING BEDS FROM CENTER OF TRUNK FROM ANY WALKWAY, FENCE, BUILDING OR OTHER HARDSCAPE ITEM
- C. CONTRACTOR SHALL PROVIDE ALL APPROPRIATE TOP SOIL WORKED INTO EXISTING SOIL FOR ALL AREAS TO RECEIVE PROPOSED PLANTING AND TOP DRESS ALL AREAS TO BE PLANTED WITH TOP SOIL
- D. CONTRACTOR TO PROVIDE METAL PLANTING BED EDGING FOR ALL AREAS WHERE TYPICAL PLANTING IS TO BE PLANTED
- E. CONTRACTOR TO PROVIDE METAL PLANTING BED EDGING FOR ALL AREAS WHERE TYPICAL PLANTING IS TO BE PLANTED
- F. SEE PLANTING DETAIL SHEET L101 FOR PLANTING BED AND DETAIL S.

GENERAL NOTES

- 1. NOT USED
- 2. CHANNEL FENCE. SEE ARCHITECTURAL DRAWINGS FOR PLANTING DETAIL S.
- 3. NOT USED
- 4. NOT USED
- 5. PROVIDE ONE ROW OF SOLID SOIL ALONG BOTH SIDE OF CHANNEL FENCE AND CHANNEL FENCE SOIL TO BE COMMON BERKUDA (CONYDOR) SPECIES
- 6. NOT USED
- 7. NOT USED
- 8. NOT USED

| TYPE | SYMBOL | COMMON NAME | SIZE | PLANTING DATE |
|------|----------|-------------|------|---------------|
| 1 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 2 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 3 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 4 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 5 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 6 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 7 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |
| 8 | (Symbol) | COMMON NAME | SIZE | PLANTING DATE |

PLANTING LIST

HGC
Horticultural Group, Inc.

PGAL
Professional Geometric Associates, L.P.

M21
M21 Associates, Inc.

DATE: JANUARY 23, 2020
PROJECT: [Project Name]
LOCATION: [Project Location]

SCALE: 1" = 20'

DATE: JANUARY 23, 2020

PROJECT: [Project Name]

LOCATION: [Project Location]

SCALE: 1" = 20'

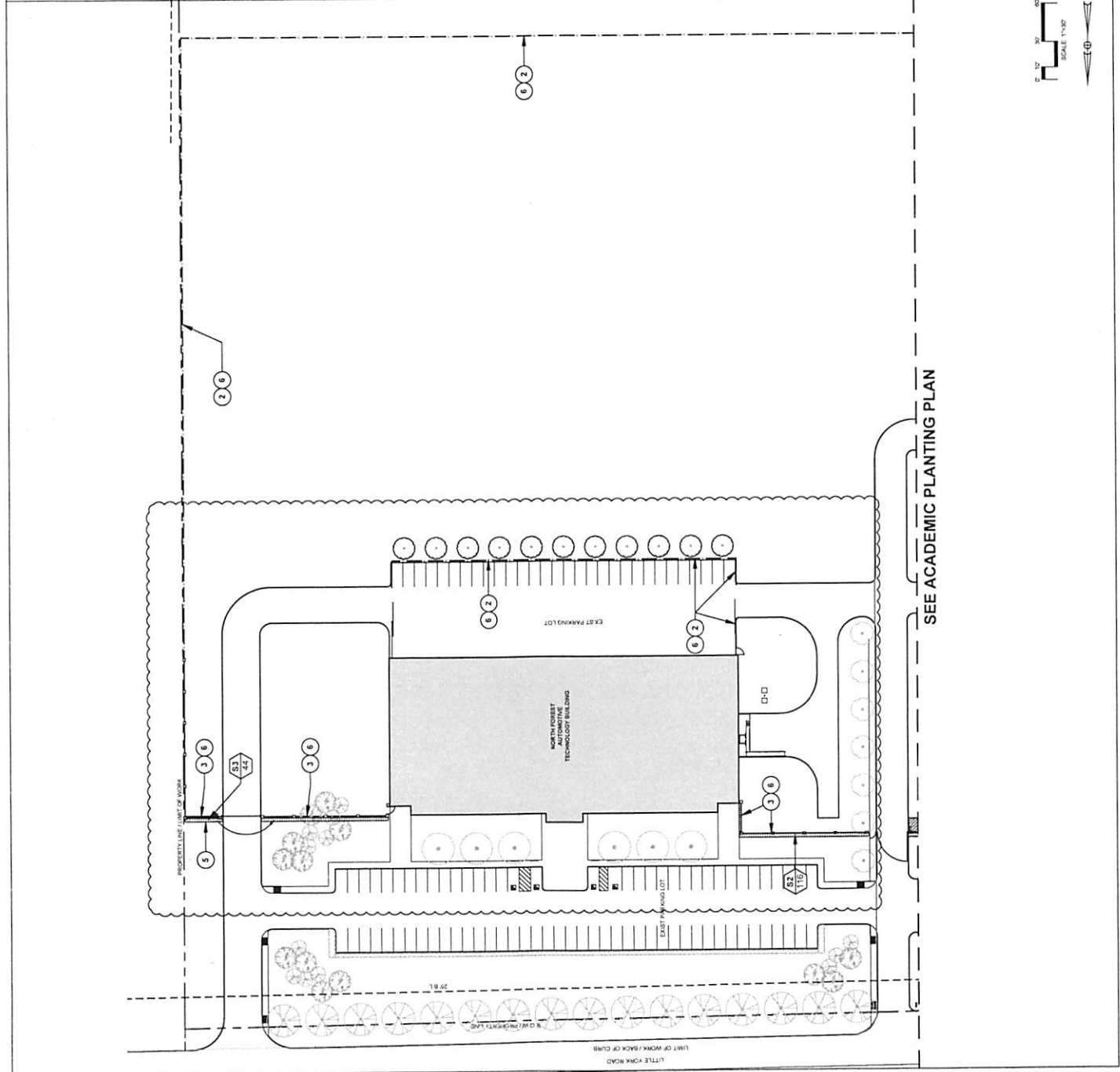
CONTRACTOR TO LAYOUT ALL PLANTING BED LIMITS AND LOCATIONS OF ALL PROPOSED TREES IN THE FIELD FOR APPROVAL OF LANDSCAPE ARCHITECT.
 TRUNKS FROM ANY WALKWAY, FENCE, BUILDING, OR OTHER HARDSCAPE ITEM SHALL BE MAINTAINED AT ALL TIMES.
 CONTRACTOR TO PROVIDE MINIMUM 1" OF AGGREGATE TO BED, WORKED INTO EXISTING SOIL FOR ALL AREAS TO RECEIVE HYDROLOGING AND TOP DRESS ALL AREAS TO BE PLANTED WITH TURF OR TOP SOIL MIXTURE OR SITE SOIL, UNLESS APPROVED BY LANDSCAPE ARCHITECT.
 CONTRACTOR TO PROVIDE METAL PLANTING BED EDGING FOR ALL AREAS WHERE TURF IS TO BE PLANTED.
 SEE PLANTING DETAIL SHEET L269 FOR PLANTING LEGEND AND DETAILS.

GENERAL NOTES

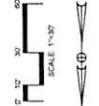
- CONCRETE MONUMENT ORNAMENTAL FENCE, CONTINUOUS. SEE STRUCTURAL DRAWINGS.
- ORNAMENTAL METAL FENCE. SEE ARCHITECTURAL & STRUCTURAL DRAWINGS FOR DETAILS.
- LOWERS SCREEN. SEE ARCHITECTURAL DRAWINGS.
- PAVING FOR ROW OF PLANTING BEDS TO BE COMMON BERMUDA (CYNOSURTACTION).
- ORNAMENTAL FENCE. SOG TO BE COMMON BERMUDA (CYNOSURTACTION).

PLAN NOTES

| TYPE | SYMBOL | COMMON NAME | SIZE (FEET) | QTY |
|------|----------|-------------|--------------|-----|
| 1 | (Symbol) | SHRUB | 1.5" @ 12" C | 100 |
| 2 | (Symbol) | SMALL TREE | 1.5" @ 12" C | 100 |
| 3 | (Symbol) | MEDIUM TREE | 1.5" @ 12" C | 100 |
| 4 | (Symbol) | LARGE TREE | 1.5" @ 12" C | 100 |
| 5 | (Symbol) | SMALL PALM | 1.5" @ 12" C | 100 |
| 6 | (Symbol) | MEDIUM PALM | 1.5" @ 12" C | 100 |
| 7 | (Symbol) | LARGE PALM | 1.5" @ 12" C | 100 |

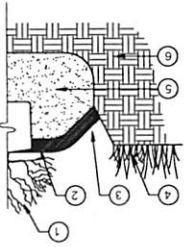


SEE ACADEMIC PLANTING PLAN

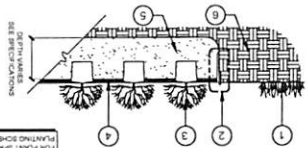


PLANTING LIST

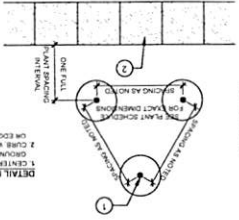
| | | |
|--------------|----------------------|------------------------------|
| 7 | 8 | 9 |
| 4 NOT USED | 5 NOT USED | 6 NOT USED |
| 1 | 2 | 3 |
| SHOVEL EDGE | PLANTING WITH EDGING | SHRUB & GROUND COVER SPACING |
| NOT TO SCALE | NOT TO SCALE | NOT TO SCALE |



- DETAIL NOTES:**
1. PLANT MATERIAL. SEE PLANTING PLAN AND LIST
 2. HARDWOOD BARK MULCH.
 3. SHOVEL CUT BED EDGE AT
 4. FINISH GRADE AT TURF
 5. PLANTING BED MEDIA
 6. UNDISTURBED SUBSURFACE
- SEE PLANTING MIX SPEC 22 94 00



- DETAIL NOTES:**
1. TURF
 2. LANDSCAPE EDGING. SEE DETAIL #4 THIS SHEET
 3. PLANT MATERIAL. SEE PLANTING PLAN AND LIST
 4. HARDWOOD BARK MULCH ON DRESSING
 5. PLANTING MIX. SEE SPEC 22 94 00
 6. UNDISTURBED SUBSURFACE
- SEE PLANTING MIX SPEC 22 94 00
- NOTE: FOR PLANT SPACING SEE PLANTING SCHEDULE



- DETAIL NOTES:**
1. CENTER OF SHRUB OR GROUND COVER
 2. CURB WALL, PLACEMENT ON EDGE OF PLANTING BED

LET NUMBER
L200

PLANTING DETAILS

DATE: 11/21/2008



DATE: 11/21/2008

PROJECT NUMBER

PROJECT LOCATION

PROJECT TYPE

DATE: 11/21/2008

PROJECT NUMBER

PROJECT LOCATION

PROJECT TYPE

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PROJECT NUMBER

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PROJECT TYPE

DATE: 11/21/2008

PROJECT NUMBER

PROJECT LOCATION

PROJECT TYPE

DATE: 11/21/2008



GENERAL NOTES

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.
3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
5. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.
7. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE SPECIFIED.

KEYED NOTES

1. REFER TO DRAWING FOR DIMENSIONS.
2. REFER TO DRAWING FOR DIMENSIONS.
3. REFER TO DRAWING FOR DIMENSIONS.
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18. REFER TO DRAWING FOR DIMENSIONS.
19. REFER TO DRAWING FOR DIMENSIONS.
20. REFER TO DRAWING FOR DIMENSIONS.

PORT GUARDIAN
 PORT AUTHORITY
 PORT OF AUSTRALIA

PROJECT NO. 1000
 DRAWING NO. 1000
 SHEET NO. 1000

PROJECT TITLE
 PROJECT LOCATION
 PROJECT OWNER
 PROJECT ENGINEER
 PROJECT DATE

PROJECT NO. 1000
 DRAWING NO. 1000
 SHEET NO. 1000

PROJECT TITLE
 PROJECT LOCATION
 PROJECT OWNER
 PROJECT ENGINEER
 PROJECT DATE

PROJECT NO. 1000
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 PROJECT OWNER
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PROJECT NO. 1000
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 SHEET NO. 1000

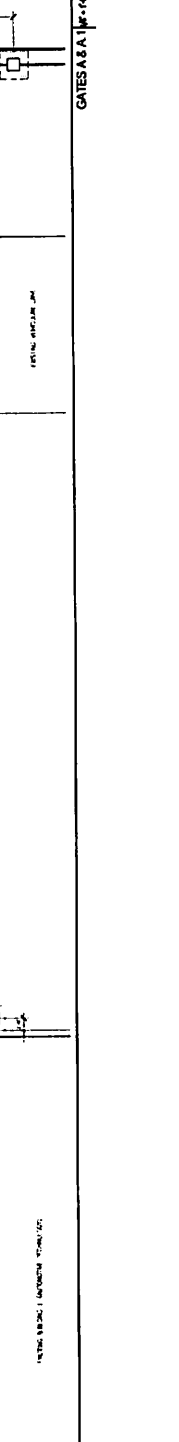
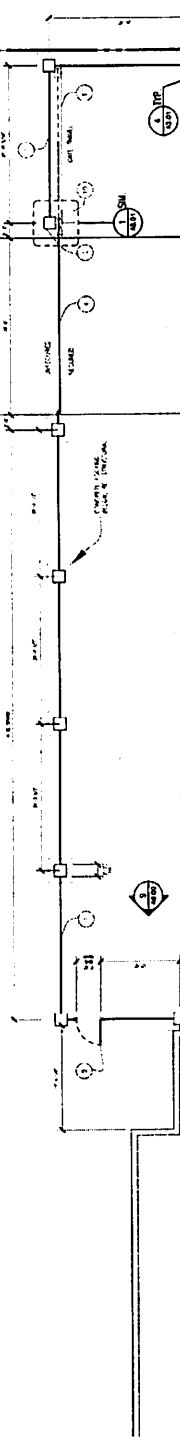
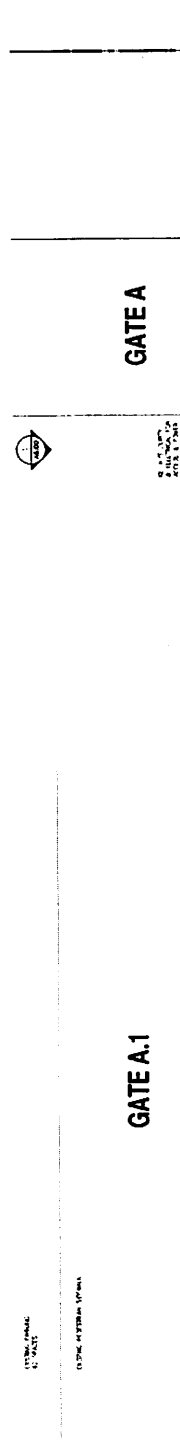
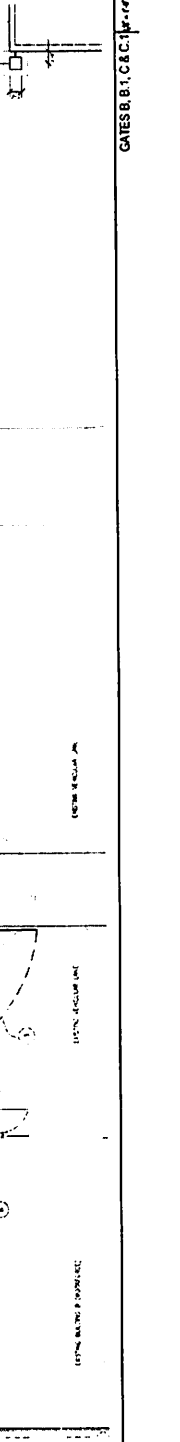
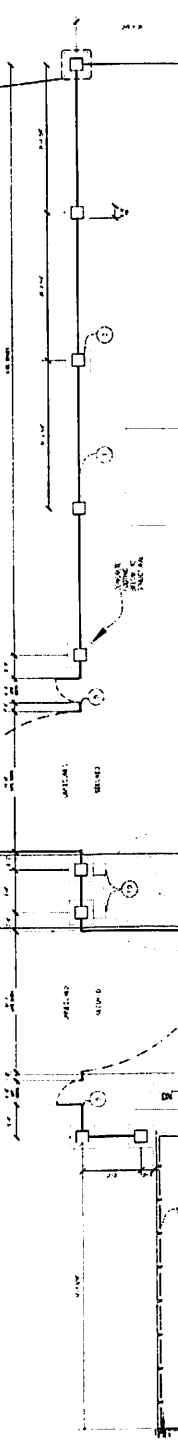
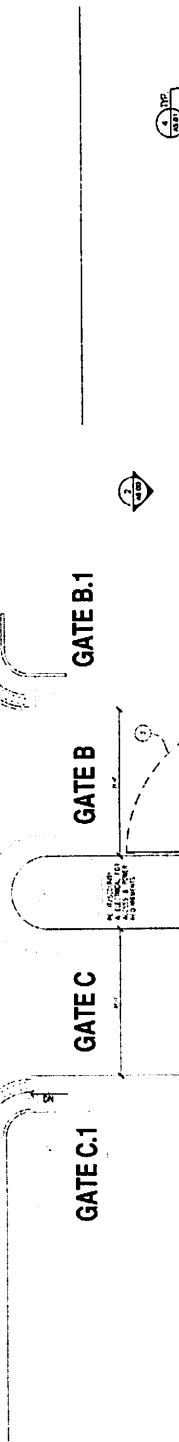
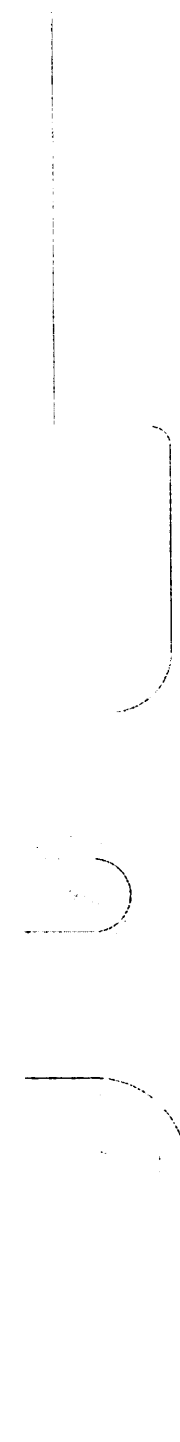
PROJECT TITLE
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 PROJECT ENGINEER
 PROJECT DATE

PROJECT NO. 1000
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PROJECT TITLE
 PROJECT LOCATION
 PROJECT OWNER
 PROJECT ENGINEER
 PROJECT DATE



GENERAL NOTES

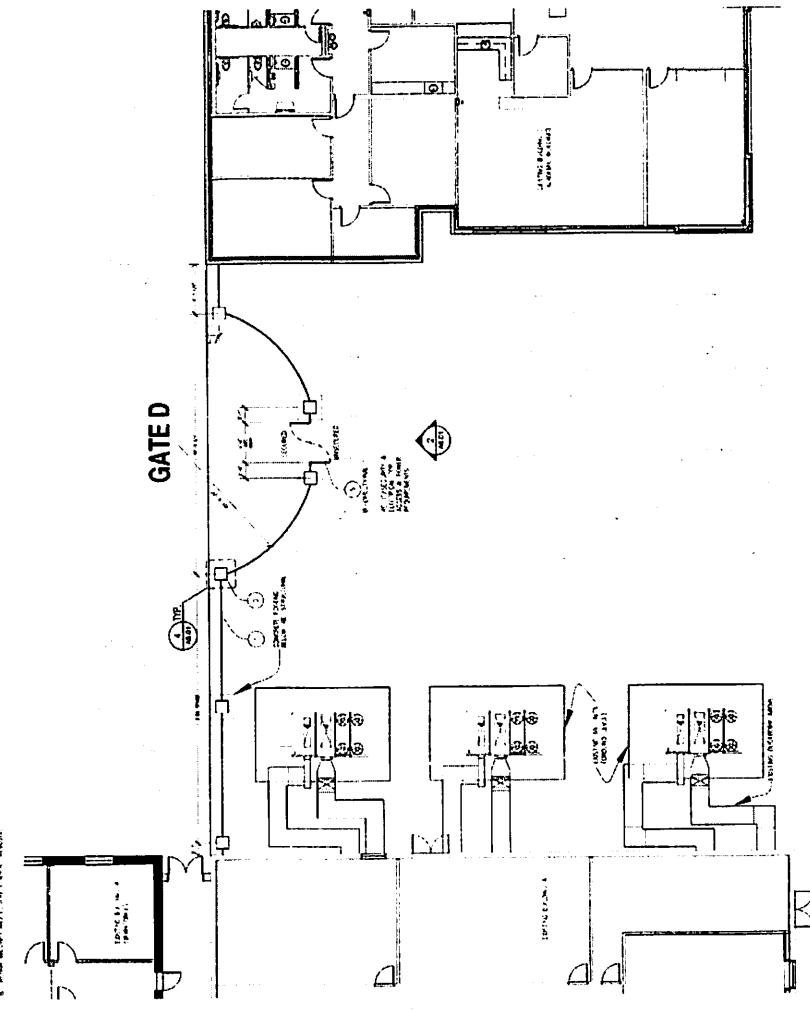
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TEXAS ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE.
2. ALL MATERIALS SHALL BE APPROVED BY THE PROJECT ENGINEER.
3. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
5. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES.
7. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
9. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
10. ALL MATERIALS SHALL BE APPROVED BY THE PROJECT ENGINEER.

KEYED NOTES

1. SEE ELECTRICAL SYMBOLS FOR DETAILS.
2. SEE MECHANICAL SYMBOLS FOR DETAILS.
3. SEE CIVIL SYMBOLS FOR DETAILS.
4. SEE STRUCTURAL SYMBOLS FOR DETAILS.
5. SEE PLUMBING SYMBOLS FOR DETAILS.
6. SEE HEATING, VENTILATION, AND AIR CONDITIONING SYMBOLS FOR DETAILS.
7. SEE FLOORING SYMBOLS FOR DETAILS.
8. SEE PAINT SYMBOLS FOR DETAILS.
9. SEE FINISHES SYMBOLS FOR DETAILS.
10. SEE SCHEDULES FOR DETAILS.

LEGEND

- 1. [Symbol] 1/2" x 1/2" TYP.



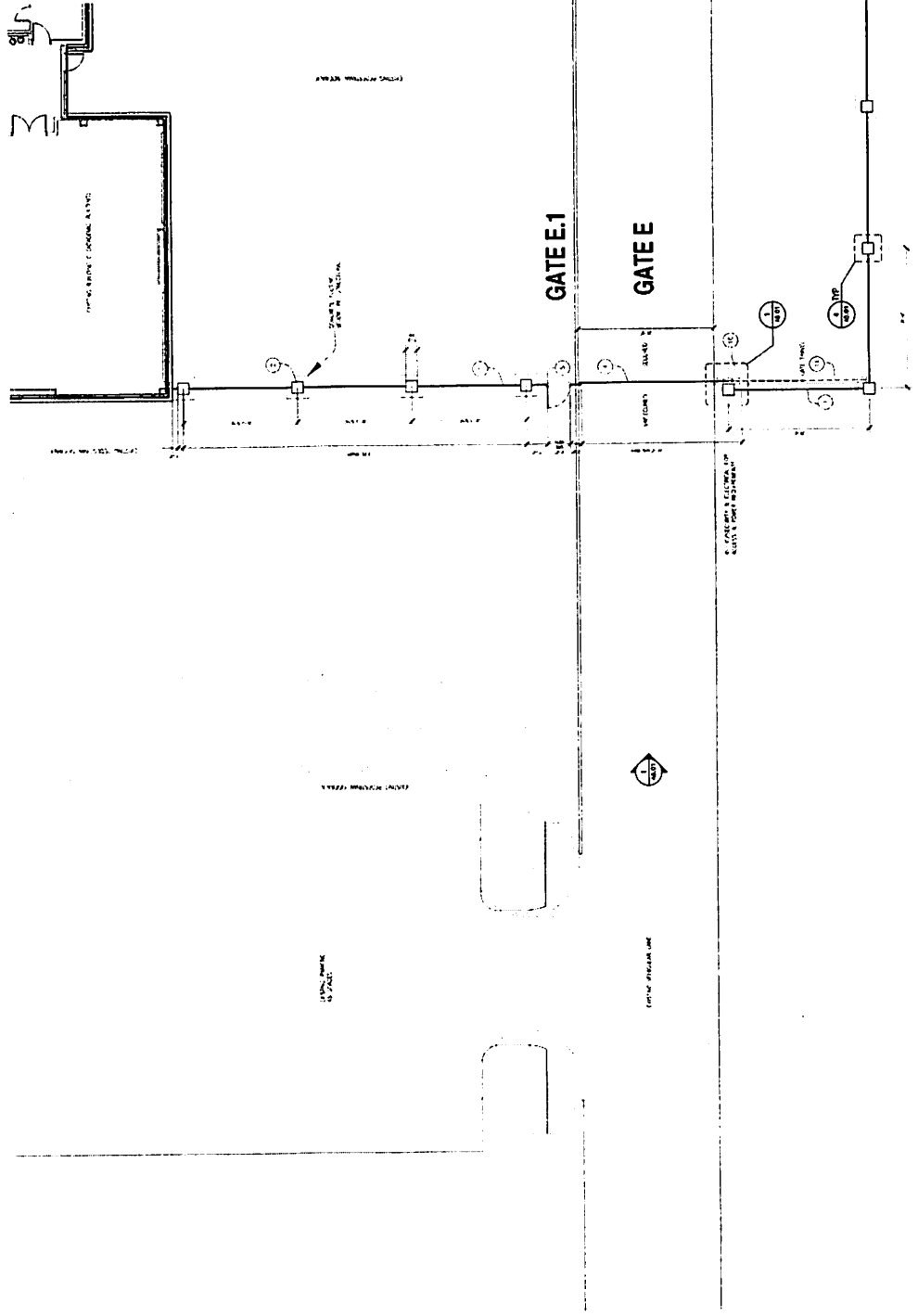
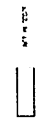
GENERAL NOTES

- 1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPROPRIATE AGENCIES.
- 3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
- 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES AND STRUCTURES.
- 5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY BARRIERS AND WARNING SIGNS THROUGHOUT THE PROJECT.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING PAVEMENT AND CURBS.
- 7. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE SYSTEMS THROUGHOUT THE PROJECT.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING UTILITIES AND STRUCTURES.
- 9. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SAFETY BARRIERS AND WARNING SIGNS THROUGHOUT THE PROJECT.
- 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND REPAIR OF ALL EXISTING PAVEMENT AND CURBS.
- 11. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE SYSTEMS THROUGHOUT THE PROJECT.

KEYED NOTES

- 1. SEE PLAN FOR LOCATION OF GATE E.1.
- 2. SEE PLAN FOR LOCATION OF GATE.
- 3. SEE PLAN FOR LOCATION OF GATE E.1.
- 4. SEE PLAN FOR LOCATION OF GATE.
- 5. SEE PLAN FOR LOCATION OF GATE E.1.
- 6. SEE PLAN FOR LOCATION OF GATE.
- 7. SEE PLAN FOR LOCATION OF GATE E.1.
- 8. SEE PLAN FOR LOCATION OF GATE.
- 9. SEE PLAN FOR LOCATION OF GATE E.1.
- 10. SEE PLAN FOR LOCATION OF GATE.
- 11. SEE PLAN FOR LOCATION OF GATE E.1.

LEGEND



GATE E.1

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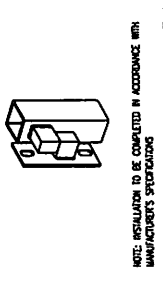
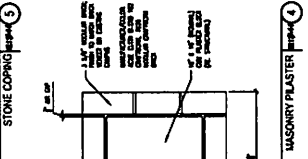
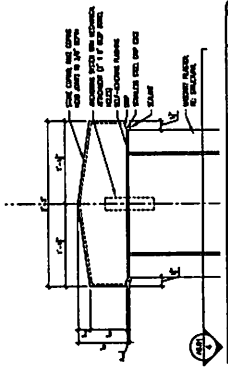
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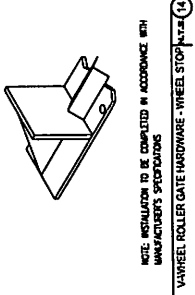
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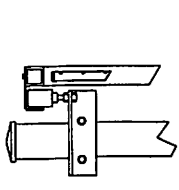
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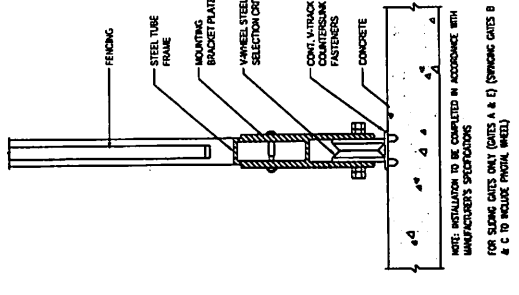
NOTE: INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR SWINGING GATE STEEL RANGE - HEAVY DUTY TYPE 15



NOTE: INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS VAWHEEL ROLLER GATE HARDWARE - WHEEL STOP TYPE 14

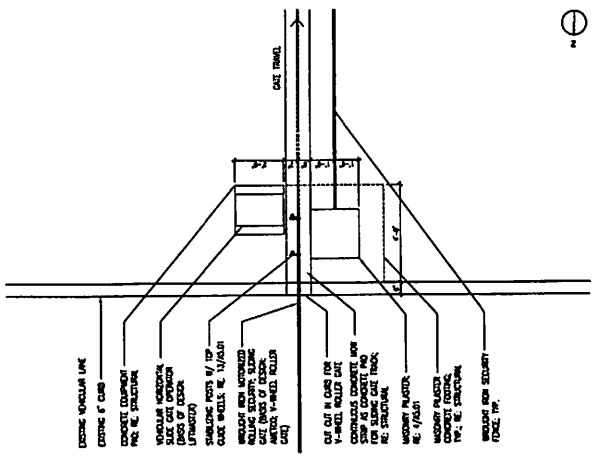


NOTE: INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS VAWHEEL GATE GUIDE WHEELS TYPE 13



NOTE: INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR SWINGING GATES ONLY (GATES A & C) (SWINGING GATES B & C TO INCLUDE PROXIAL WHEEL)

VAWHEEL ROLLER GATE SINGLE WHEEL TYPE 11



NOTE: INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS FOR SLING GATES ONLY (GATES A & E). BASIS OF DESIGN: METCO (N-WHEEL ROLLER GATE) SHOWING GATES B & C TO INCLUDE PROXIAL WHEEL.

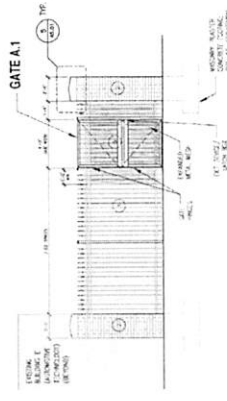
VAWHEEL ROLLER GATE DETAIL TYPE 1

GENERAL NOTES

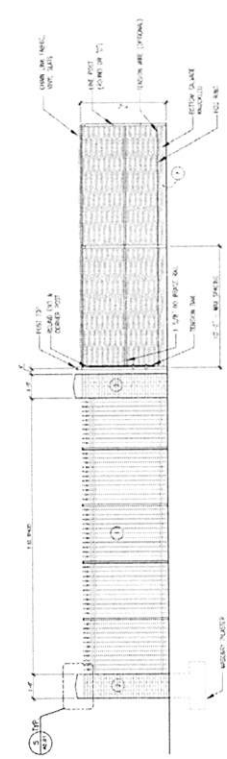
1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
2. FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HARRIS COUNTY SPECIFICATIONS FOR FENCE.
3. THE FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HARRIS COUNTY SPECIFICATIONS FOR FENCE.
4. THE FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HARRIS COUNTY SPECIFICATIONS FOR FENCE.
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10. THE FENCE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HARRIS COUNTY SPECIFICATIONS FOR FENCE.

KEYED NOTES

1. SEE KEY PLAN FOR LOCATION OF THIS ELEVATION.
2. SEE KEY PLAN FOR LOCATION OF THIS ELEVATION.
3. SEE KEY PLAN FOR LOCATION OF THIS ELEVATION.
4. SEE KEY PLAN FOR LOCATION OF THIS ELEVATION.
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10. SEE KEY PLAN FOR LOCATION OF THIS ELEVATION.

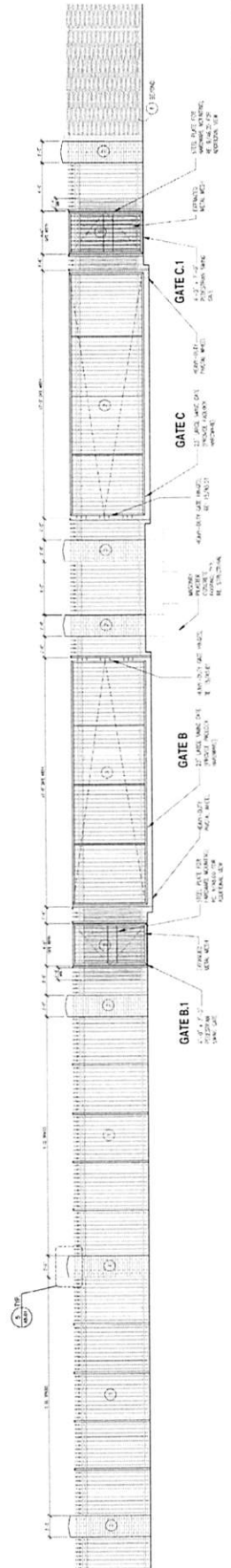


EAST ELEVATION - GATE A.1

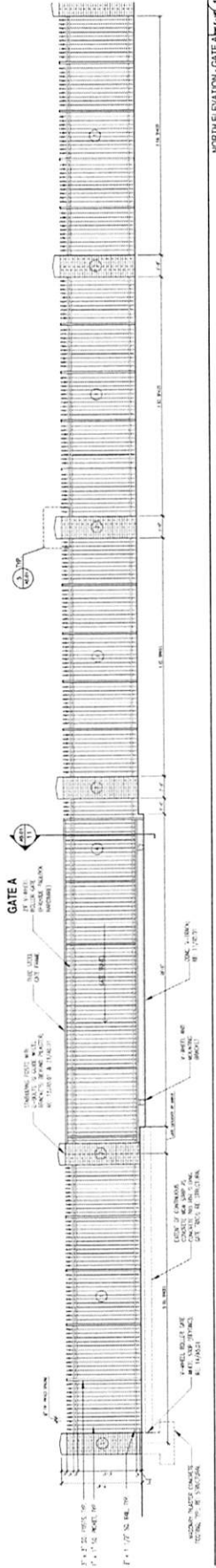


FENCE TRANSITION - TYPICAL ELEVATION

LEGEND



NORTH ELEVATION - GATES B, C, & D



NORTH ELEVATION - GATE A

GENERAL NOTES

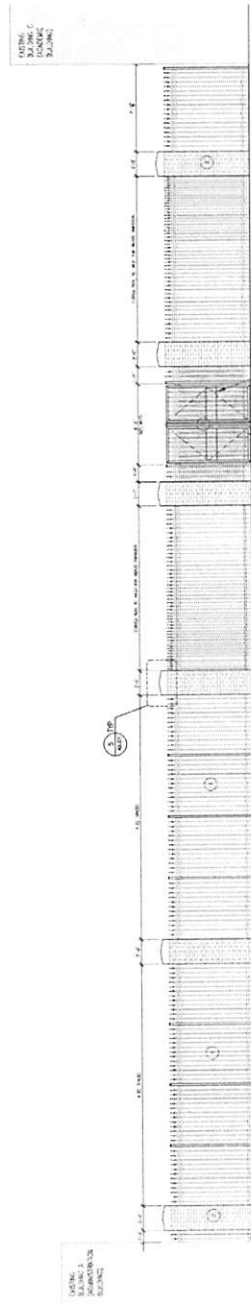
1. REFER TO ARCHITECTURE AND STRUCTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DIMENSIONS AND MATERIALS.
3. REFER TO CIVIL AND LANDSCAPE ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
4. REFER TO INTERIOR ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
5. REFER TO EXTERIOR ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
6. REFER TO FINISH SCHEDULE FOR DIMENSIONS AND MATERIALS.
7. REFER TO SCHEDULE OF FINISHES FOR DIMENSIONS AND MATERIALS.
8. REFER TO SCHEDULE OF MATERIALS FOR DIMENSIONS AND MATERIALS.
9. REFER TO SCHEDULE OF EQUIPMENT FOR DIMENSIONS AND MATERIALS.
10. REFER TO SCHEDULE OF FURNITURE FOR DIMENSIONS AND MATERIALS.
11. REFER TO SCHEDULE OF LIGHTING FOR DIMENSIONS AND MATERIALS.
12. REFER TO SCHEDULE OF MECHANICAL FOR DIMENSIONS AND MATERIALS.
13. REFER TO SCHEDULE OF ELECTRICAL FOR DIMENSIONS AND MATERIALS.

KEYED NOTES

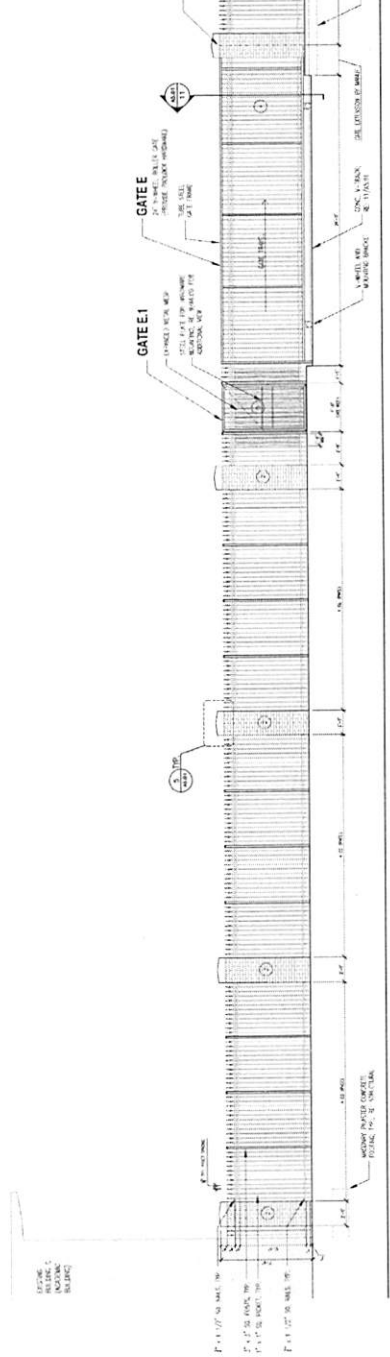
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2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DIMENSIONS AND MATERIALS.
3. REFER TO CIVIL AND LANDSCAPE ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
4. REFER TO INTERIOR ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
5. REFER TO EXTERIOR ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
6. REFER TO FINISH SCHEDULE FOR DIMENSIONS AND MATERIALS.
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11. REFER TO SCHEDULE OF LIGHTING FOR DIMENSIONS AND MATERIALS.
12. REFER TO SCHEDULE OF MECHANICAL FOR DIMENSIONS AND MATERIALS.
13. REFER TO SCHEDULE OF ELECTRICAL FOR DIMENSIONS AND MATERIALS.

LEGEND

- 1. REFER TO ARCHITECTURE AND STRUCTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
- 2. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR DIMENSIONS AND MATERIALS.
- 3. REFER TO CIVIL AND LANDSCAPE ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
- 4. REFER TO INTERIOR ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
- 5. REFER TO EXTERIOR ARCHITECTURE DRAWINGS FOR DIMENSIONS AND MATERIALS.
- 6. REFER TO FINISH SCHEDULE FOR DIMENSIONS AND MATERIALS.
- 7. REFER TO SCHEDULE OF FINISHES FOR DIMENSIONS AND MATERIALS.
- 8. REFER TO SCHEDULE OF MATERIALS FOR DIMENSIONS AND MATERIALS.
- 9. REFER TO SCHEDULE OF EQUIPMENT FOR DIMENSIONS AND MATERIALS.
- 10. REFER TO SCHEDULE OF FURNITURE FOR DIMENSIONS AND MATERIALS.
- 11. REFER TO SCHEDULE OF LIGHTING FOR DIMENSIONS AND MATERIALS.
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- 13. REFER TO SCHEDULE OF ELECTRICAL FOR DIMENSIONS AND MATERIALS.



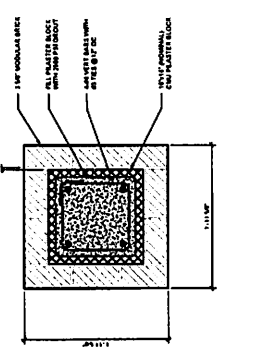
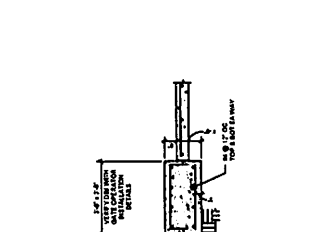
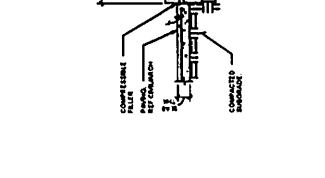
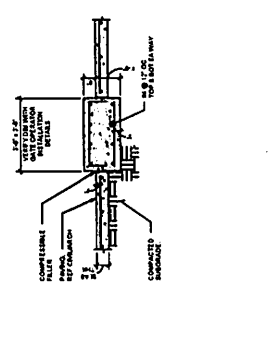
WEST ELEVATION - GATE 0



WEST ELEVATION - GATE E & E

SCALE: 1/4" = 1'-0"



| | |
|---|--|
| <p>3 CONCRETE PAD FOR GATE OPERATOR 10' x 10' x 2'</p>  | <p>1 CMU PILASTER 6" x 12" x 2'</p>  |
| <p>4 MOVING STRIP 10' x 10' x 2'</p>  | <p>2 MASONRY PILASTER PLAN DETAIL 10' x 10' x 2'</p>  |

1 CMU PILASTER
6" x 12" x 2'

2 MASONRY PILASTER PLAN DETAIL
10' x 10' x 2'

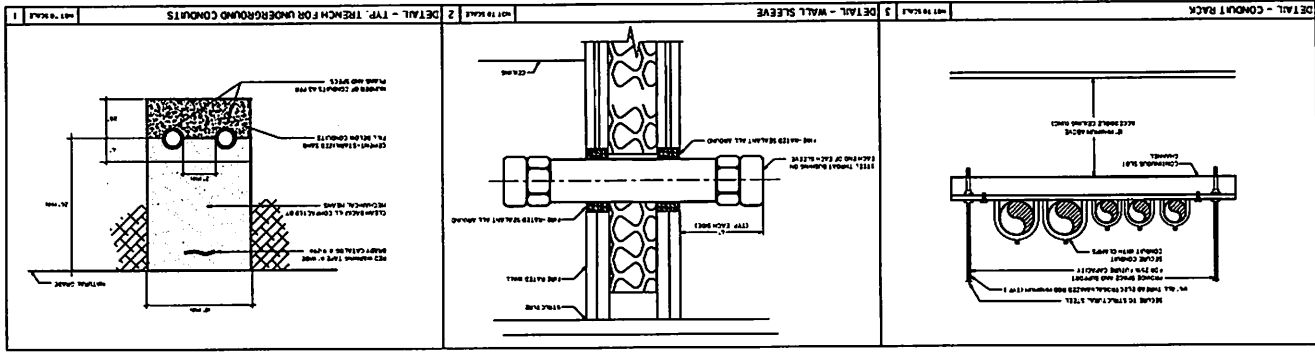
3 CONCRETE PAD FOR GATE OPERATOR
10' x 10' x 2'

4 MOVING STRIP
10' x 10' x 2'

DETAIL: REINFORCED TOWERED CONCRETE
COMPOSITE

GENERAL STRUCTURAL NOTES

| | | | | | |
|--|---|--|---|---|--|
| <p>PART I - DESIGN CRITERIA</p> <p>1. REFER TO DRAWING FOR ALL STRUCTURAL REQUIREMENTS AND TO THE APPROPRIATE CODES FOR DESIGN AND CONSTRUCTION.</p> <p>2. REFER TO DRAWING FOR ALL STRUCTURAL REQUIREMENTS AND TO THE APPROPRIATE CODES FOR DESIGN AND CONSTRUCTION.</p> <p>3. REFER TO DRAWING FOR ALL STRUCTURAL REQUIREMENTS AND TO THE APPROPRIATE CODES FOR DESIGN AND CONSTRUCTION.</p> <p>4. REFER TO DRAWING FOR ALL STRUCTURAL REQUIREMENTS AND TO THE APPROPRIATE CODES FOR DESIGN AND CONSTRUCTION.</p> | <p>PART V - SPECIAL INSPECTIONS</p> <p>1. THE OWNER IS TO MAKE SPECIAL INSPECTIONS AT THE FOLLOWING LOCATIONS:</p> <p>2. ALL STRUCTURAL CONSTRUCTION SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE OR A QUALIFIED INSPECTOR.</p> <p>3. INSPECTIONS SHALL BE MADE AT THE FOLLOWING LOCATIONS:</p> <p>4. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 48 HOURS BEFORE ANY INSPECTION IS MADE.</p> | <p>PART VI - SUBMITTALS</p> <p>1. SUBMITTALS LIST AND SCHEDULE.</p> <p>2. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> <p>3. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> <p>4. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> <p>5. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> | <p>PART VII - MISCELLANEOUS</p> <p>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> <p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> <p>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> | <p>PART VIII - DRAWING INTERPRETATION</p> <p>1. DRAWINGS ARE TO BE CONSIDERED AS THE FINAL DESIGN DOCUMENTS.</p> <p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> <p>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> | |
| <p>PART II - FOUNDATION</p> <p>1. FOUNDATION SHALL BE REINFORCED CONCRETE WITH 4" DIA. REINFORCEMENT.</p> <p>2. FOUNDATION SHALL BE REINFORCED CONCRETE WITH 4" DIA. REINFORCEMENT.</p> <p>3. FOUNDATION SHALL BE REINFORCED CONCRETE WITH 4" DIA. REINFORCEMENT.</p> | <p>PART III - REINFORCED CONCRETE</p> <p>1. ALL REINFORCED CONCRETE SHALL BE CAST AND CURED IN ACCORDANCE WITH THE FOLLOWING:</p> <p>2. ALL REINFORCED CONCRETE SHALL BE CAST AND CURED IN ACCORDANCE WITH THE FOLLOWING:</p> <p>3. ALL REINFORCED CONCRETE SHALL BE CAST AND CURED IN ACCORDANCE WITH THE FOLLOWING:</p> | <p>PART IV - STRUCTURAL STEEL</p> <p>1. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE SPECIFIED.</p> <p>2. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE SPECIFIED.</p> <p>3. ALL STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE SPECIFIED.</p> | <p>PART V - SPECIAL INSPECTIONS</p> <p>1. THE OWNER IS TO MAKE SPECIAL INSPECTIONS AT THE FOLLOWING LOCATIONS:</p> <p>2. ALL STRUCTURAL CONSTRUCTION SHALL BE INSPECTED BY THE OWNER'S REPRESENTATIVE OR A QUALIFIED INSPECTOR.</p> <p>3. INSPECTIONS SHALL BE MADE AT THE FOLLOWING LOCATIONS:</p> <p>4. THE CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 48 HOURS BEFORE ANY INSPECTION IS MADE.</p> | <p>PART VI - SUBMITTALS</p> <p>1. SUBMITTALS LIST AND SCHEDULE.</p> <p>2. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> <p>3. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> <p>4. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING:</p> | <p>PART VII - MISCELLANEOUS</p> <p>1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> <p>2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> <p>3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE AND FOR THE CONSTRUCTION OF THE SAME.</p> |



ELECTRICAL GENERAL NOTES AND SPECIFICATIONS

(BOOKS SPECIFICATIONS SUPERSEDE ANY NOTES BELOW)

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

2. ALL MATERIALS AND EQUIPMENT SHALL BE NEW UNLESS OTHERWISE SPECIFIED.

3. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

4. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

5. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

6. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

7. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

8. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

9. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

10. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE (NEC) AND THE NATIONAL FIRE ALARM AND SIGNAL CODE (NFPA 72).

ELECTRICAL SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|--------|---|
| | 120V AC Single Phase |
| | 240V AC Single Phase |
| | 480V AC Single Phase |
| | 120/240V AC Single Phase |
| | 120/240/480V AC Single Phase |
| | 120/240V AC Three Phase |
| | 240/480V AC Three Phase |
| | 480V AC Three Phase |
| | 120/240V AC Three Phase |
| | 240/480V AC Three Phase |
| | 480V AC Three Phase |
| | 120V AC Single Phase with Ground |
| | 240V AC Single Phase with Ground |
| | 480V AC Single Phase with Ground |
| | 120/240V AC Single Phase with Ground |
| | 120/240/480V AC Single Phase with Ground |
| | 120/240V AC Three Phase with Ground |
| | 240/480V AC Three Phase with Ground |
| | 480V AC Three Phase with Ground |
| | 120/240V AC Three Phase with Ground |
| | 240/480V AC Three Phase with Ground |
| | 480V AC Three Phase with Ground |
| | 120V AC Single Phase with Ground (Grounded Neutral) |
| | 240V AC Single Phase with Ground (Grounded Neutral) |
| | 480V AC Single Phase with Ground (Grounded Neutral) |
| | 120/240V AC Single Phase with Ground (Grounded Neutral) |
| | 120/240/480V AC Single Phase with Ground (Grounded Neutral) |
| | 120/240V AC Three Phase with Ground (Grounded Neutral) |
| | 240/480V AC Three Phase with Ground (Grounded Neutral) |
| | 480V AC Three Phase with Ground (Grounded Neutral) |
| | 120/240V AC Three Phase with Ground (Grounded Neutral) |
| | 240/480V AC Three Phase with Ground (Grounded Neutral) |
| | 480V AC Three Phase with Ground (Grounded Neutral) |
| | 120V AC Single Phase with Ground (Ungrounded Neutral) |
| | 240V AC Single Phase with Ground (Ungrounded Neutral) |
| | 480V AC Single Phase with Ground (Ungrounded Neutral) |
| | 120/240V AC Single Phase with Ground (Ungrounded Neutral) |
| | 120/240/480V AC Single Phase with Ground (Ungrounded Neutral) |
| | 120/240V AC Three Phase with Ground (Ungrounded Neutral) |
| | 240/480V AC Three Phase with Ground (Ungrounded Neutral) |
| | 480V AC Three Phase with Ground (Ungrounded Neutral) |
| | 120/240V AC Three Phase with Ground (Ungrounded Neutral) |
| | 240/480V AC Three Phase with Ground (Ungrounded Neutral) |
| | 480V AC Three Phase with Ground (Ungrounded Neutral) |

LOAD ANALYSIS

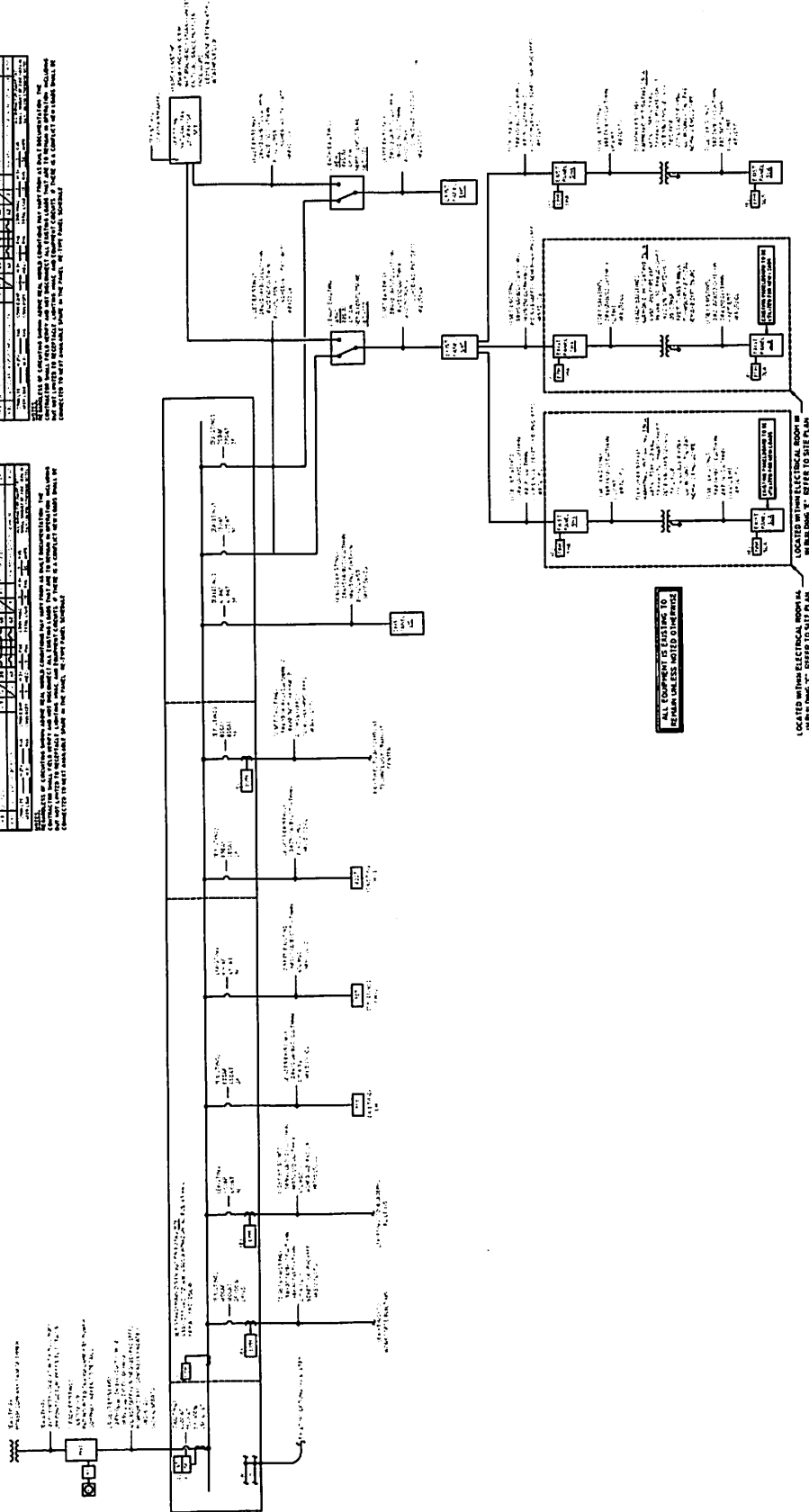
| Panel No. | Panel Name | Panel Location | Panel Voltage | Panel Current | Panel Power |
|-----------|------------|----------------|---------------|---------------|-------------|
| 1 | Panel 1 | Room 101 | 480V | 100A | 48kW |
| 2 | Panel 2 | Room 102 | 480V | 100A | 48kW |
| 3 | Panel 3 | Room 103 | 480V | 100A | 48kW |
| 4 | Panel 4 | Room 104 | 480V | 100A | 48kW |
| 5 | Panel 5 | Room 105 | 480V | 100A | 48kW |
| 6 | Panel 6 | Room 106 | 480V | 100A | 48kW |
| 7 | Panel 7 | Room 107 | 480V | 100A | 48kW |
| 8 | Panel 8 | Room 108 | 480V | 100A | 48kW |
| 9 | Panel 9 | Room 109 | 480V | 100A | 48kW |
| 10 | Panel 10 | Room 110 | 480V | 100A | 48kW |

EXISTING PANELBOARD TO BE UTILIZED, LOCATED IN BUILDING 'C'

| Panel No. | Panel Name | Panel Location | Panel Voltage | Panel Current | Panel Power |
|-----------|------------|----------------|---------------|---------------|-------------|
| 1 | Panel 1 | Room 101 | 480V | 100A | 48kW |
| 2 | Panel 2 | Room 102 | 480V | 100A | 48kW |
| 3 | Panel 3 | Room 103 | 480V | 100A | 48kW |
| 4 | Panel 4 | Room 104 | 480V | 100A | 48kW |
| 5 | Panel 5 | Room 105 | 480V | 100A | 48kW |
| 6 | Panel 6 | Room 106 | 480V | 100A | 48kW |
| 7 | Panel 7 | Room 107 | 480V | 100A | 48kW |
| 8 | Panel 8 | Room 108 | 480V | 100A | 48kW |
| 9 | Panel 9 | Room 109 | 480V | 100A | 48kW |
| 10 | Panel 10 | Room 110 | 480V | 100A | 48kW |

EXISTING PANELBOARD TO BE UTILIZED, LOCATED IN BUILDING 'C'

| Panel No. | Panel Name | Panel Location | Panel Voltage | Panel Current | Panel Power |
|-----------|------------|----------------|---------------|---------------|-------------|
| 1 | Panel 1 | Room 101 | 480V | 100A | 48kW |
| 2 | Panel 2 | Room 102 | 480V | 100A | 48kW |
| 3 | Panel 3 | Room 103 | 480V | 100A | 48kW |
| 4 | Panel 4 | Room 104 | 480V | 100A | 48kW |
| 5 | Panel 5 | Room 105 | 480V | 100A | 48kW |
| 6 | Panel 6 | Room 106 | 480V | 100A | 48kW |
| 7 | Panel 7 | Room 107 | 480V | 100A | 48kW |
| 8 | Panel 8 | Room 108 | 480V | 100A | 48kW |
| 9 | Panel 9 | Room 109 | 480V | 100A | 48kW |
| 10 | Panel 10 | Room 110 | 480V | 100A | 48kW |

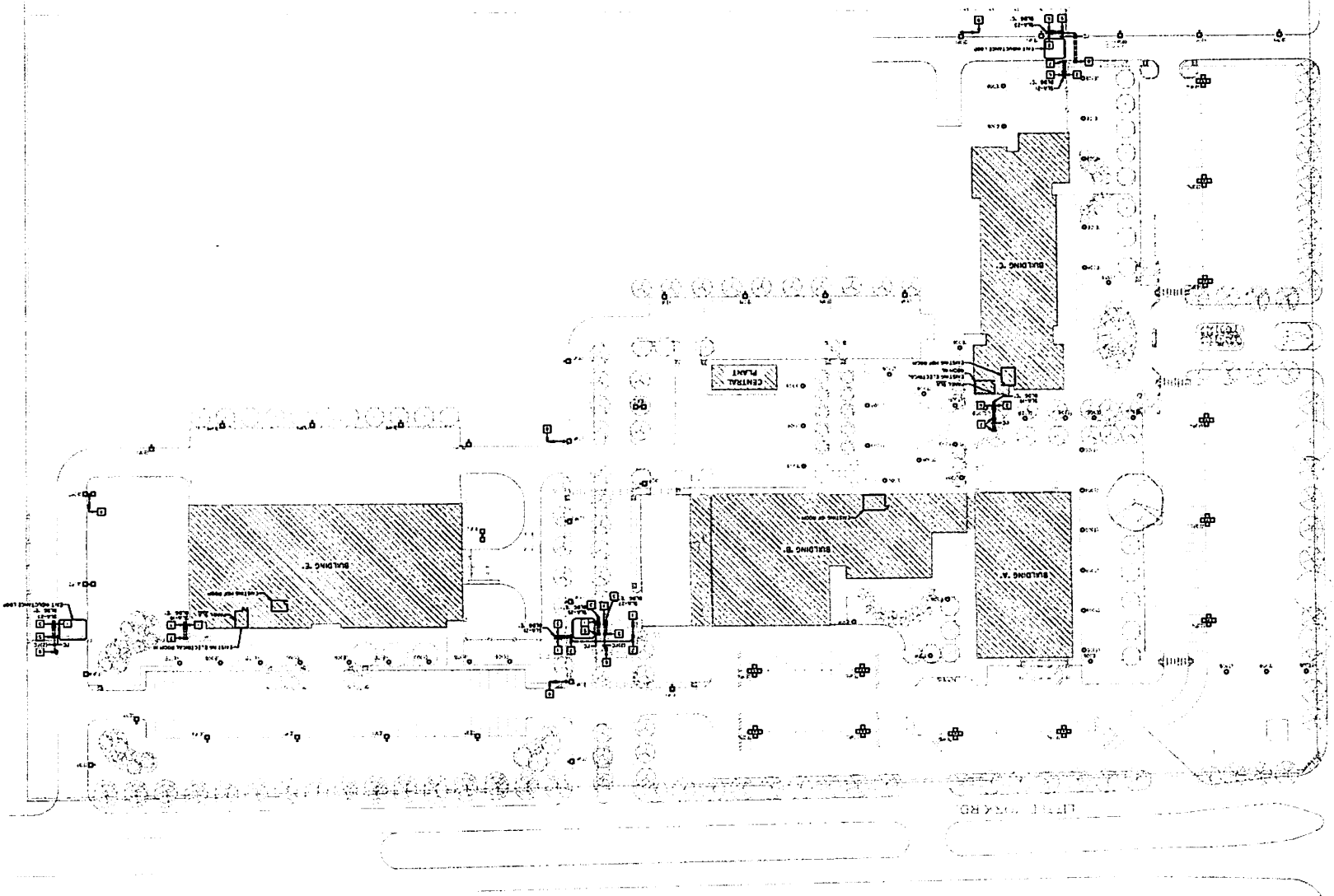




Professional Engineer

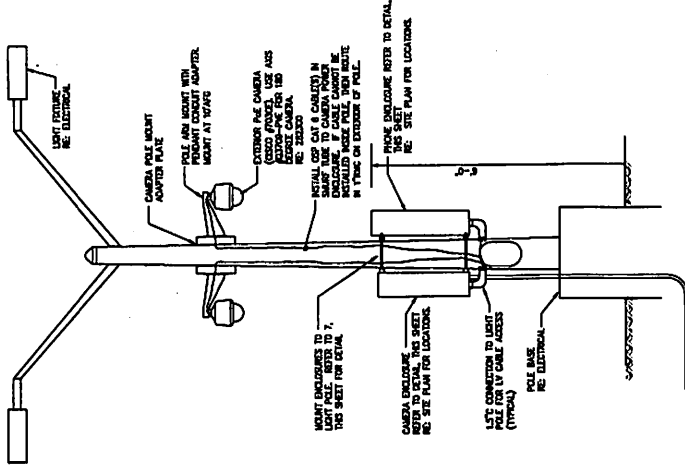
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 PROJECT LOCATION: 3131 Springdale
 HOUSTON, TX 77055
 DATE: 07/13/2014
 PLAN TITLE: HCC
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: 07/13/2014
 PROJECT NO. 1131

HCC
 PROJECT NO. 1131
 PROJECT NAME: HCC
 PROJECT LOCATION: 3131 Springdale
 HOUSTON, TX 77055
 DATE: 07/13/2014
 PLAN TITLE: HCC
 DRAWN BY: [Name]
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 PROJECT NO. 1131

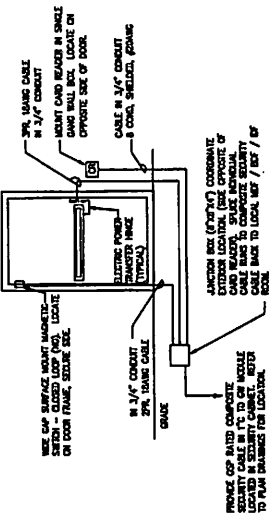


- 1. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 2. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 3. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
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- 11. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 12. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 13. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 14. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 15. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 16. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 17. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 18. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 19. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.
- 20. ALL ELECTRICAL SYMBOLS SHALL BE AS SHOWN ON SHEET E2.01.

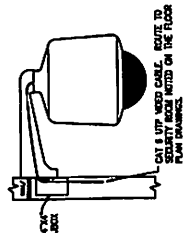
FOREST ROAD



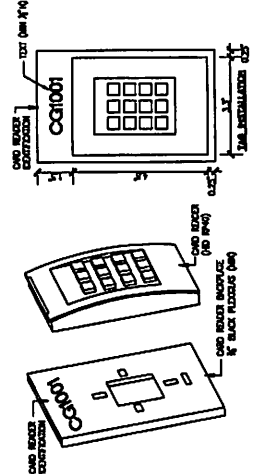
4 TYPICAL POLE MOUNTED CAMERA



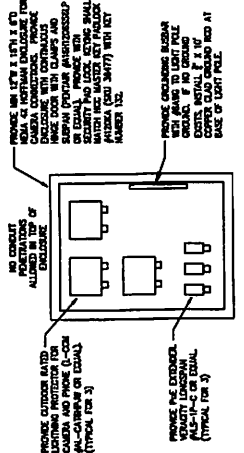
1 SINGLE LEAF EXIT W/R



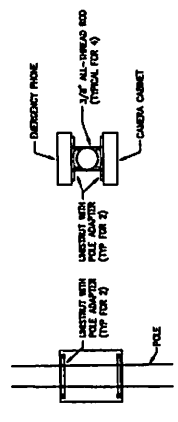
5 TYPICAL DOME WALL MOUNT



2 CARD READER MOUNTING/IDENTIFICATION



6 CAMERA ENCLOSURE



3 ENCLOSURE MOUNT DETAIL AT LIGHT POLE