

**PLAT RECORDING SHEET**

**PLAT NAME:** 3401 5<sup>th</sup> Street Mobile Home Park

**PLAT NO:** \_\_\_\_\_

**ACREAGE:** 23.4331

**LEAGUE:** William Neel Survey

**ABSTRACT NUMBER:** 64

**NUMBER OF BLOCKS:** 1

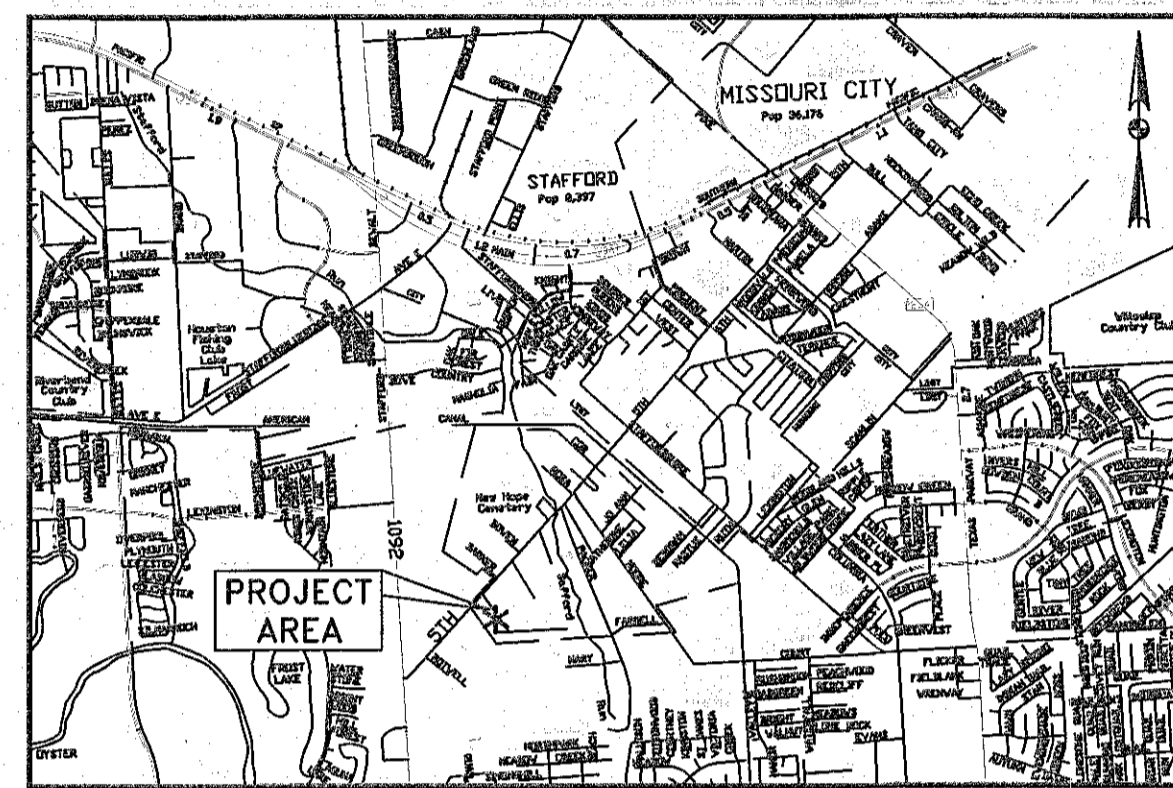
**NUMBER OF LOTS:** 0

**NUMBER OF RESERVES:** 1

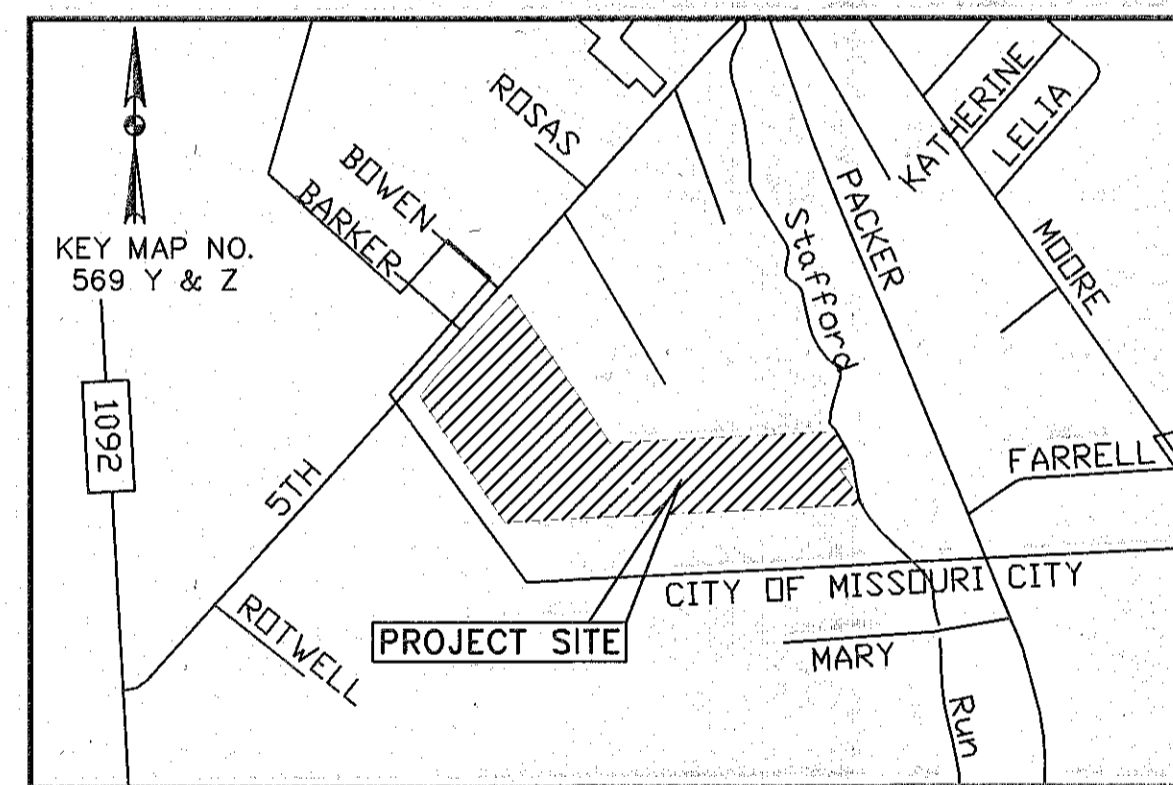
**OWNERS:** 3401 5<sup>th</sup> Street, LLC a Texas Limited Liability Co., Michael B. Massey,  
Manager

\_\_\_\_\_  
**(DEPUTY CLERK)**

INFRASTRUCTURE DEVELOPMENT PLAN  
FOR PROPOSED  
**3401 5TH STREET MOBILE HOME PARK**  
**3401 5TH STREET, STAFFORD, TEXAS 77477**  
WITHIN  
**FORT BEND COUNTY, TEXAS**



AREA MAP  
1"=25,000'



VICINITY MAP  
1"=10,000'

STATE OF TEXAS  
COUNTY OF FORT BEND

3401 5TH STREET, LLC

IN TESTIMONY WHEREOF, 3401 5TH STREET, LLC HAS CAUSED THESE PRESENTS TO BE SIGN BY MICHAEL B. MASSEY, ITS MANAGER, THEREUNTO AUTHORIZED, ATTESTED BY Elizabeth Ventura AND ITS COMMON SEAL HEREUNTO AFFIXED THIS 31<sup>st</sup> DAY OF July, 2019.

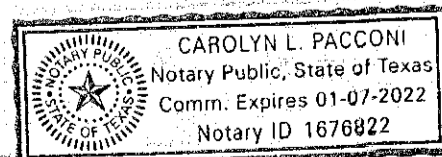
3401 5th STREET, LLC  
BY Michael B. Massey  
MICHAEL B. MASSEY, MANAGER

ATTEST: Elizabeth Ventura

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED MICHAEL B. MASSEY, MANAGER, 3401 5TH STREET, LLC, KNOWN TO ME TO BE THE PERSONS WHOSE NAMES ARE SUBSCRIBED TO THE FOREGOING INSTRUMENT AND ACKNOWLEDGE TO ME THAT THEY EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED.

GIVEN UNDER MY HAND AND SEAL, THIS 31<sup>st</sup> DAY OF July, 2019.

Carolyn L. Pacconi  
NOTARY PUBLIC IN AND FOR  
FORT BEND COUNTY, TEXAS

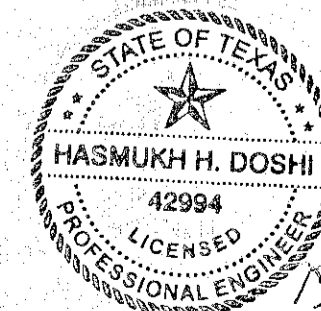


INDEX OF DRAWINGS

| SHEET NO. | DESCRIPTION                                   |
|-----------|---|
| CIVL:     |   |
| C0.0      | COVER   |
| C0.1      | EXISTING TOPOGRAPHIC MAP                      |
| C0.2      | PLAT  |
| C1.1      | GENERAL NOTES                                 |
| C2.1      | STORM WATER POLLUTION PREVENTION PLAN         |
| C2.2      | STORM WATER POLLUTION PREVENTION PLAN DETAILS |
| C3.1      | DIMENSION CONTROL PLAN                        |
| C4.1      | GRADING PLAN                                  |
| C5.1A     | WATER UTILITY PLAN                            |
| C5.1B     | SANITARY SEWER UTILITY PLAN                   |
| C5.2      | STORM SEWER PLAN                              |
| C5.3      | PLAN AND PROFILE - 6" WATER                   |
| C6.1      | DETENTION POND DETAILS AND CALCULATIONS       |
| C7.1      | DRAINAGE AREA MAP AND CALCULATIONS            |
| C8.1      | PAVING DETAILS                                |
| C9.1      | WATER DETAILS                                 |
| C10.1     | STORM AND SANITARY SEWER DETAILS              |
| C10.2     | WATER AND SANITARY SEWER DETAILS              |
| C10.3     | WATER AND SANITARY SEWER DETAILS              |
| C11.1     | PEDESTRIAN FACILITY DETAILS                   |
| C12.1     | INTERNAL STREET SIGNAGE PLAN                  |
| C13.1     | TRAFFIC CONTROL PLAN                          |
| E1        | ELECTRIAL NOTES AND DETAILS                   |
| E2        | ELECTRICAL - POWER POLE LOCATION PLAN         |
| E3        | PROPOSED STREET LIGHTING PLAN                 |
| E4        | NOT USED                                      |
| E5        | DETAILS                                       |
| E6        | DETAILS                                       |

DOSHI ENGINEERING & SURVEYING COMPANY  
CONSULTING ENGINEERS & SURVEYORS

2019 SHADOW PARK DRIVE  
KATY, TEXAS. 77494-2135  
OFFICE: (281) 395-9906  
EMAIL: HHDOSHI@HOTMAIL.COM  
FIRM REG. NO.: F-9873  
JULY 2019



INFRASTRUCTURE DEVELOPMENT PLAN

I, J. STACY SLAWINSKI, P.E., FORT BEND COUNTY ENGINEER, DO HEREBY CERTIFY THAT THIS INFRASTRUCTURE DEVELOPMENT PLAN (IDP) COMPLIES WITH ALL OF THE EXISTING RULES AND REGULATIONS OF THIS OFFICE AS ADOPTED BY THE FORT BEND COUNTY COMMISSIONERS COURT. HOWEVER, NO CERTIFICATION IS HEREBY GIVEN AS TO THE EFFECT OF DRAINAGE FROM THIS IDP ON THE INTERCEPTING DRAINAGE ARTERY OR PARENT STREAM OR ON ANY OTHER AREA OR SUBDIVISION WITHIN THE WATERSHED.

J. STACY SLAWINSKI, P.E.  
FORT BEND COUNTY ENGINEER

APPROVED BY THE COMMISSIONERS COURT OF FORT BEND COUNTY, TEXAS, THIS DAY OF \_\_\_\_\_

VINCENT MORALES  
PRECINCT 1, COUNTY COMMISSIONER

GRADY PRESTAGE  
PRECINCT 2, COUNTY COMMISSIONER

W.A. "ANDY" MEYERS  
PRECINCT 3, COUNTY COMMISSIONER

KEN McMERCHANT  
PRECINCT 4, COUNTY COMMISSIONER

KP GEORGE  
COUNTY JUDGE

I, LAURA RICHARD, COUNTY CLERK IN AND FOR FORT BEND COUNTY, HEREBY CERTIFY THAT THE FORGOING INSTRUMENT WITH ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR THE RECORDATION IN MY OFFICE ON \_\_\_\_\_, AT \_\_\_\_\_ O'CLOCK \_\_\_\_\_ P.M. IN PLAT NUMBER \_\_\_\_\_ OF THE PLAT RECORDS OF FORT BEND COUNTY, TEXAS.

WITNESS MY HAND AND SEAL OF OFFICE, AT RICHMOND, TEXAS. THE DAY AND DATE LAST ABOVE WRITTEN.

LAURA RICHARD, COUNTY CLERK  
FORT BEND COUNTY, TEXAS

ELIZABETH RIVERA  
DEPUTY

NOTE:  
CONTRACTOR SHALL OBTAIN A PERMIT FOR THE PROPOSED STAFFORD RUN OUTFALL FROM THE FORT BEND COUNTY ENGINEERING DEPARTMENT. (281) 633-7500.

CONTRACTOR SHALL NOTIFY FORT BEND COUNTY ENGINEERING DEPARTMENT 48 HOURS PRIOR TO COMMENCING CONSTRUCTION AND 48 HOURS NOTICE TO ANY CONSTRUCTION ACTIVITY WITHIN THE LIMITS OF THE PAVING AT  
CONSTRUCTION@FORTBENDCOUNTYTX.GOV

THE MINIMAL SLAB ELEVATION SHALL BE 76.60'

MAINTENANCE DECLARATION:  
PROPERTY OWNER SHALL BE RESPONSIBLE AT ALL TIMES FOR THE MAINTENANCE, REPAIR AND INSPECTION OF THE PROPOSED STORMWATER CONTROL FACILITIES. THIS MAINTENANCE RESPONSIBILITY SHALL BE FILED AND RECORDED AS AN EASEMENT BY THE PROPERTY OWNER AND SHALL BE BINDING FOR ALL SUCCESSORS.

OWNERS INFORMATION:  
MICHAEL B. MASSEY  
10400 POST OAK BLVD., SUITE 840  
HOUSTON, TEXAS 77056

FORT BEND COUNTY ENGINEER

ENGINEER: Paul J. Stangle, PE, PTOE  
for J. STACY SLAWINSKI, P.E.

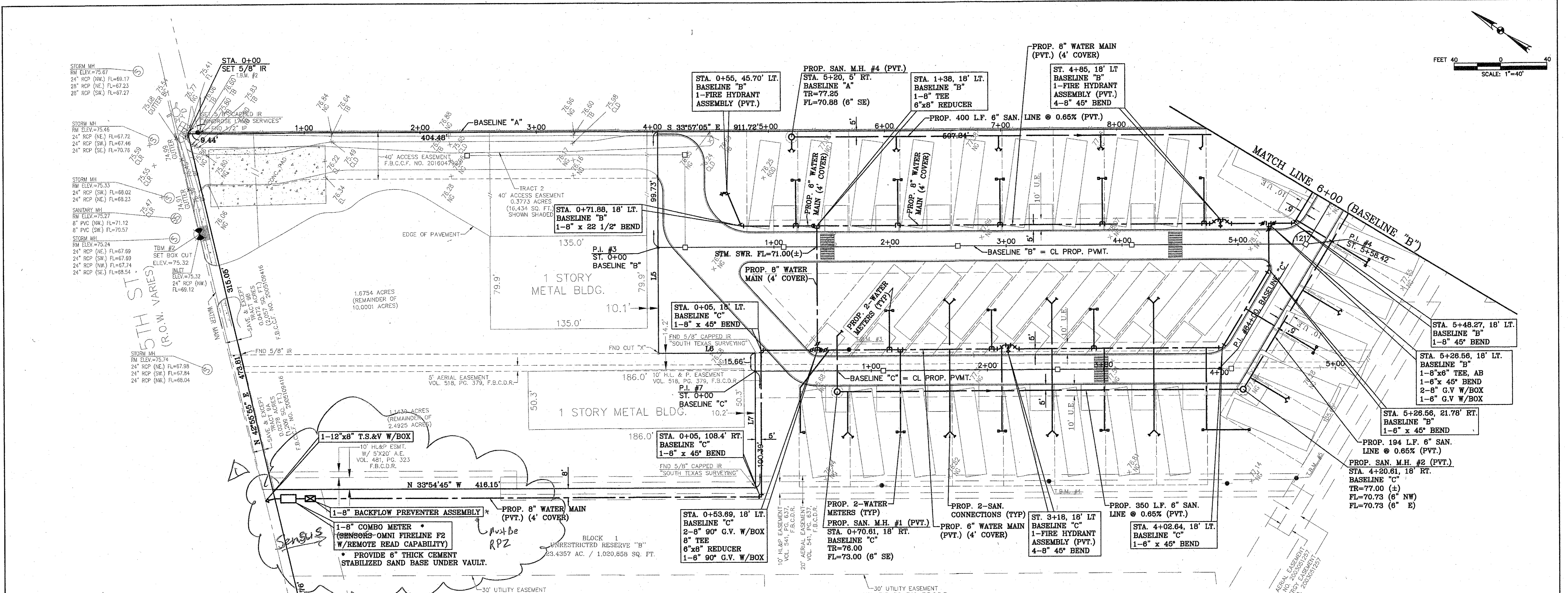
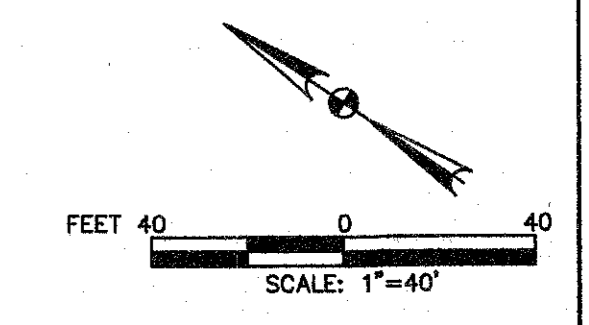
DATE: 8/14/19

THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.

APPROVED: Michael B. Massey

DATE: 8/14/19

DRAINAGE, PAVING AND UTILITIES PLANS FOR 3401 5TH STREET MOBILE HOME PARK



BENCH MARK:  
ELEVATIONS SHOWN HEREON ARE BASED ON BENCHMARK NGS NO. AW2123, NAVD83, 1986 ADJUSTED, ELEVATION OF 82.29 FEET.

T.B.M. #1: "X" CHISELED IN CONCRETE SLAB AT CHAIN LINK FENCE.  
ELEV.=76.42'

T.B.M. #2: RAILROAD SPIKE ON NORTH SIDE OF POWER POLE.  
ELEV.=78.46'

T.B.M. #3: TOP OF 5/8" IRON ROAD IN 6" PVC FILLED WITH CONCRETE  
ON SOUTH PROPERTY LINE OF FORT BEND BOAT & RV STORAGE.  
ELEV.=77.73'

T.B.M. #4: RAILROAD SPIKE ON NORTHEAST SIDE OF POWER POLE.  
ELEV.=78.95'

T.B.M. #5: RAILROAD SPIKE ON NORTHEAST SIDE OF POWER POLE.  
ELEV.=79.27'

T.B.M. #6: RAILROAD SPIKE ON NORTH SIDE OF POWER POLE.  
ELEV.=79.63'

T.B.M. #7: RAILROAD SPIKE ON NORTH SIDE OF POWER POLE.  
ELEV.=75.18'

T.B.M. #8: RAILROAD SPIKE ON WEST SIDE OF POWER POLE.  
ELEV.=75.18'

T.B.M. #9: TOP OF 5/8" IRON ROAD IN 6" PVC FILLED WITH CONCRETE  
ON P.I. OF SOUTH PROPERTY LINE OF FORT BEND BOAT AND RV  
STORAGE.  
ELEV.=77.95'

T.B.M. #10: "X" CHISELED IN CONCRETE SLAB ON SOUTH PROPERTY  
LINE OF FORT BEND BOAT AND RV STORAGE ACROSS STROAGE  
BUILDING "N".  
ELEV.=77.64'

**FLOOD NOTE:**  
PROPERTY LIES WITHIN FLOOD ZONE "X", ACCORDING TO F.I.R.M. MAP NO. 48157C 0285L, DATE 4-2-14. BY GRAPHING PLOTTING ONLY, WE DO NOT ASSUME RESPONSIBILITY FOR EXACT DETERMINATION. BEFORE ANY DEVELOPMENT PLANNING, DESIGN, OR CONSTRUCTION IS STARTED, THE COMMUNITY, CITY AND COUNTY IN WHICH SUBJECT TRACT EXISTS SHOULD BE CONTACTED. SAID ENTITIES MAY IMPOSE LARGER FLOOD PLAN AND FLOODWAY AREAS THAN SHOWN BY F.I.R.M. MAPS THAT WILL AFFECT DEVELOPMENT.

Table 7.3  
PROTECTION REQUIREMENTS AT  
WATER LINE (WL) - SANITARY SEWER (SS) CROSSINGS

|  | PROPOSED WATER LINE |          |             |          | PROPOSED SANITARY SEWER |          |             |          |
|--|---------------------|----------|-------------|----------|-------------------------|----------|-------------|----------|
|  | EXISTING SS         | PROP. SS | EXISTING WL | PROP. WL | EXISTING SS             | PROP. SS | EXISTING WL | PROP. WL |
| Minimum 2 feet vertical clearance  | √                   | √        | √           | √        | √                       | √        | √           | √        |
| Place 1 full section (min 18 ft) of WL centered at SS Crossing. Provide restrained joints on WL, spaced at least 9 ft horizontally from centerline of SS   |                     | √        | √           | √        | √                       | √        | √           | √        |
| Place 1 full section (min 18 ft) of SS centered at WL Crossing. Provide restrained joints on SS, spaced at least 9 ft horizontally from centerline of WL   |                     | √        | √           | √        | √                       | √        | √           | √        |
| Replace 1 full section of existing SS with pressure-rated DIP or pressure-rated PVC pipe with adapters and restrained joints centered at WL crossing   | √,2,3               | √        | √           | √        | √                       | √        | √           | √        |
| Provide DIP for small diameter WL (less than 24 inches). PVC pipe is only allowed if encased as per TAC § 290.44, and use restrained joints for both DIP and PVC pipe  |                     | √        | √           | √        | √                       | √        | √           | √        |
| Embed SS with CSS for the total length of 1 pipe segment plus 1 foot beyond the joints on each end   | √,2,3               | √        | √           | √        | √,5,6                   | √        | √           | √        |
| Place 1 full section (min 18 ft) of min 150 psi SS centered at WL crossing. Provide restrained joints on SS, spaced at least 9 ft horizontally from centerline of WL or encase in a joint of 150 psi pressure pipe (min 18 ft) two nominal sizes larger with spacers at 5 ft interval. |                     | √        | √           | √        | √                       | √        | √           | √        |

- STANDARD SPECIFICATIONS**
- All public water and sanitary sewer facilities are owned and operated by Fort Bend County Water Control & Improvement District No. 2 (the District) within the boundaries of the District. District employees, standards, and regulations control and supersede others for the public water and sanitary sewer construction activities.
  - Permits, approvals and inspections required by the District are the responsibility of the Contractor and shall be obtained prior to commencing construction.
  - It shall be the responsibility of the contractor to notify the District's Engineer 48 hours prior to the start of construction (811-499-2941) for approved project work.
  - All construction to the District's water and sanitary sewer systems, including single wells, group wells, infiltration devices, etc. shall be made in accordance with the District's Construction Standards for Public Utilities. It is the responsibility of the contractor to use care in water or sanitary sewer construction that will not affect the District's water or sanitary sewer system. All construction shall be in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities.
  - The Contractor shall be fully responsible for any and all damage to the existing public or private utility lines, including but not limited to water lines, wastewater collection systems and storm sewers during construction. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities.
  - Both the General Contractor and the Utility Contractor shall obtain a copy of the District's "Construction Standards for Public Utilities" prior to the start of construction.
  - Any relocations to the utility construction shall be made to the District's satisfaction. The Contractor shall be in accordance with plans approved by the District. Public water and wastewater facilities will be installed in accordance with water or sanitary sewer construction and in accordance with approved plans or requirements and conditions as made and approved by the District.
  - All construction on the District's water systems shall be performed by The District's Contractor or the sanitary sewer system must be performed or witnessed by Representative of the District.
  - Materials, testing, completion, water meters, valves, and hydrants shall be per District standards and requirements. District specific items are required for materials and valves on public lines. All District waterline valves open ball (cast iron) (checklist).
  - All waterline, hydrants, valves, and pipes shall be installed with restrained fittings. Brackets may be from these fittings or restrained pipe joint (if approved separately). All pipe sizes include a minimum of two (2) pieces of material on each side of the fitting. Public fire hydrants shall be installed in accordance with District standards or 10' depth with 18" diameter. Fire hydrants shall be installed in accordance with District standards. All work shall be done in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities. All drawings shall be prepared in accordance with the District's Construction Standards for Public Utilities.
  - An expansion joint is required at all boundaries to proposed concrete pavement shared one existing District utility crosses to facilitate future repairs and excavation for utility line applications. At a minimum, a minimum of two (2) pieces of material shall be used for the expansion joint.

- UTILITY LINES:**
- ALL SANITARY SEWER LINE SHALL BE PVC SDR 26.
  - ALL SANITARY SEWER LINE AT WATER LINE CROSSING SHALL BE PVC DR 25.
  - ALL WATER LINES SHALL BE C900 CLASS 150 DR 18.
  - FOR STORM SEWER DESIGN, SEE DWG. C5.2 & C10.1.
  - ALL METER VAULTS MUST BE PLACED ON STANDARD BEDDING.
  - ALL PRIVATE FIRE HYDRANT TO BE PAINTED YELLOW.

**LINE TABLE**

| LINE | BEARING       | DISTANCE |
|------|---------------|----------|
| L1   | N 38°19'54" E | 62.99'   |
| L2   | S 19°57'59" E | 200.47'  |
| L3   | S 87°14'05" W | 56.41'   |
| L4   | S 34°06'35" E | 220.54'  |
| L5   | S 56°05'15" W | 191.01'  |
| L6   | S 33°54'45" E | 83.37'   |
| L7   | S 56°05'15" W | 116.05'  |

FORT BEND COUNTY W.C. & I.D. NO. 2  
PLANS ARE APPROVED FOR  
WATER & WASTEWATER UTILITIES  
As 5th St. W/C. Operation  
By: *[Signature]*  
Date: 2/18/2019

Request for approval  
Obtain FBC approval

**CURVE TABLE**

| CURVE | RADIUS   | DELTA     | ARC     | BEARING       | CHORD   |
|-------|----------|-----------|---------|---------------|---------|
| C1    | 2000.00' | 04°36'01" | 160.58' | S 40°37'54" W | 160.54' |

| NO. | REVISION | BY | DATE | CKD. | DATE |
|-----|----------|----|------|------|------|
|     |          |    |      |      |      |

**WATER AND SANITARY SEWER UTILITY PLAN**  
PARK AT 3401 FIFTH STREET  
3401 5th STREET  
STAFFORD, TEXAS 77477

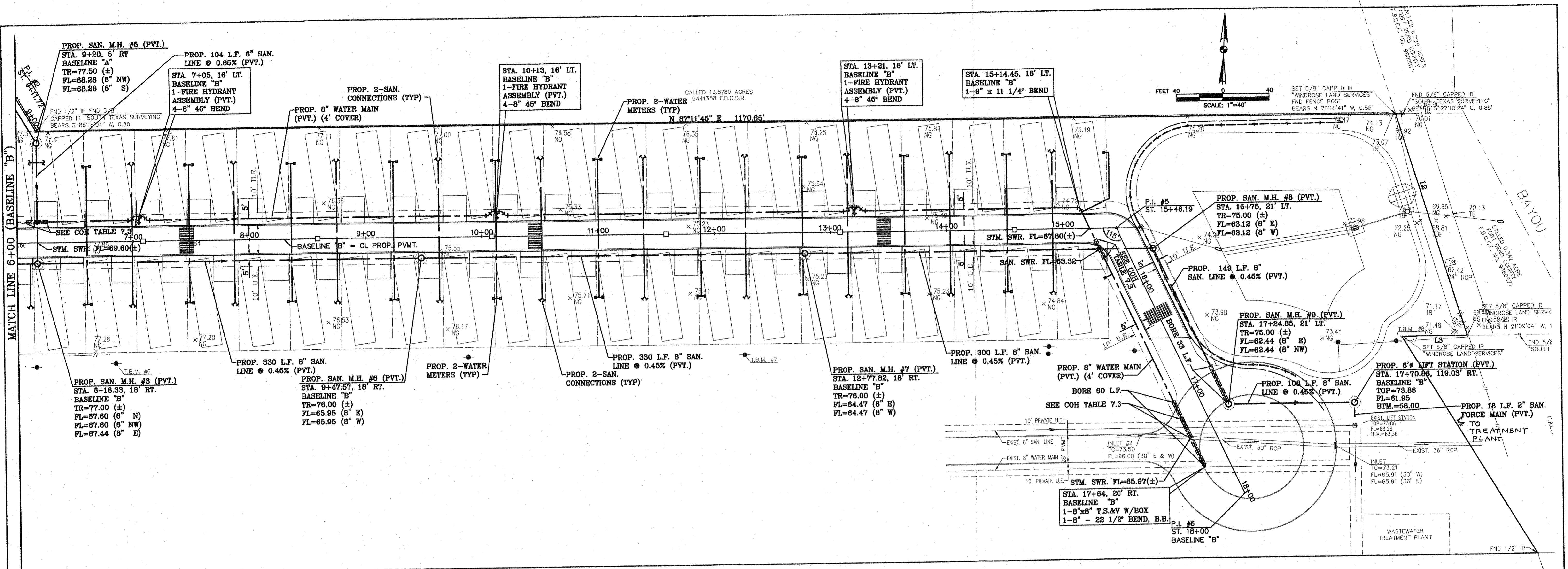
**DOSHI ENGINEERING & SURVEYING COMPANY**  
CONSULTING ENGINEERS & SURVEYORS  
KATY, TEXAS 77494

OFFICE: (281) 395-9906 FIRM REGISTRATION NO. F-9873

DRAWN BY: SD DATE: 05/25/2019  
CHECKED BY: HD DATE: 08/25/2019  
SCALE: 1"=40'  
CAD NO.: DSD-2018-032 C1

PROJ. NO.:  
DWG. NO.: C5.1A 0

*[Signature]* 8/14/19



S 87°09'36\"/>

**CITY OF HOUSTON**  
 Department of Public Works and Engineering

**DESIGN MANUAL**  
 Water Line Design Requirements

**Table 7.3**  
 PROTECTION REQUIREMENTS AT  
 WATER LINE (WL) - SANITARY SEWER (SS) CROSSINGS

|  | PROPOSED WATER LINE |       | PROPOSED SANITARY SEWER |       |
|--|---------------------|-------|-------------------------|-------|
|  | OVER                | UNDER | OVER                    | UNDER |
| Minimum 2 feet vertical clearance  | √                   | √     | √                       | √     |
| Place 1 full section (min 18 ft) of WL centered at SS Crossing. Provide restrained joints on WL, spaced at least 9 ft horizontally from centerline of SS   | √                   | √     | √                       | √     |
| Place 1 full section (min 18 ft) of SS centered at WL Crossing. Provide restrained joints on SS, spaced at least 9 ft horizontally from centerline of WL   |                     | √     | √                       | √     |
| Replace 1 full section of existing SS with pressure-rated DIP or pressure-rated PVC pipe with adapters and restrained joints centered at WL crossing   | √,2,3               | √,3   | √                       | √     |
| Provide DIP for small diameter WL (less than 24 inches), PVC pipe is only allowed if encased as per TAC § 290.44, and use restrained joints for both DIP and PVC pipe  |                     | √     | √                       | √     |
| Embed SS with CSS for the total length of 1 pipe segment plus 1 foot beyond the joints on each end   | √,2,3               | √,4   | √,5,6                   | √,4   |
| Place 1 full section (min 18 ft) of min 150 psi SS centered at WL crossing. Provide restrained joints on SS, spaced at least 9 ft horizontally from centerline of WL or encase in a joint of 150 psi pressure pipe (min 18 ft) two nominal sizes larger with spacers at 5 ft interval. |                     | √     | √                       | √     |

- BENCH MARK:  
 ELEVATIONS SHOWN HEREON ARE BASED BENCHMARK NGS NO. AW2123, NAVD88, 1986 ADJUSTED, ELEVATION OF 82.29 FEET.
- T.B.M. #1: "X" CHISELED IN CONCRETE SLAB AT CHAIN LINK FENCE. ELEV.=76.42'
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BEFORE ANY DEVELOPMENT PLANNING, DESIGN, OR CONSTRUCTION IS STARTED, THE COMMUNITY, CITY AND COUNTY IN WHICH SUBJECT TRACT EXISTS SHOULD BE CONTACTED. SAID ENTITIES MAY IMPOSE LARGER FLOOD PLAIN AND FLOODWAY AREAS THAN SHOWN BY F.I.R.M. MAPS THAT WILL AFFECT DEVELOPMENT.

- Minimum clearance is 2 feet for non-pressure rated SS and 6 inches for pressure rated SS (with at least 150 psi pressure rating)
- Minimum clearance is 2 feet for non-pressure rated SS and 1 foot for pressure rated SS
- Required if existing SS is disturbed and/or there is evidence of leakage
- Not required for augered WL unless there is evidence of leakage, completely fill augered hole with bentonite/clay mixture
- Not required for augered SS, completely fill augered hole with bentonite/clay mixture
- Not allowed requires approval of City Engineer
- Both Waterline and Wastewater main or lateral must pass a pressure and leakage test as specified in AWWA C600 standards

- FORT BEND COUNTY W.C. & L.D. NO. 2 STANDARD SPECIFICATIONS**
- All public water and sanitary sewer facilities are designed and operated by Fort Bend County Water Control & Improvement District No. 2 (the District) within the boundaries of the District. Design requirements, standards, quantities and regulations control and supersede others for public water and sanitary sewer construction projects.
  - Permits, approvals and inspections required by the District are the responsibility of Owner/Contractor to obtain prior to commencing construction.
  - It shall be the responsibility of the contractor to notify the District's Engineer 48-hours prior to the start of construction (241-499-204) for approved projects or work.
  - All connections to the District's water and sanitary sewer systems, including water wells, ground water collection systems, etc., shall be made in accordance with the District's "Connection Standards for Service Connections". It is the responsibility of the contractor to meet the water or sanitary sewer connection standards for installation and water service that are contained in a representative of the District has reviewed and approved the water and sanitary sewer connection standards.
  - The Contractor shall be fully responsible for any and all damage to the existing public or private utility lines, including but not limited to water lines, wastewater collection systems and storm sewer lines, during the construction of water and sanitary sewer facilities. All damage shall be repaired to accordance with the District's "Connection Standards for Public Utility" and standards of the District, with no cost to the public.
  - Both the District Contractor and the Utility Contractor shall obtain a copy of the District's "Connection Standards for Public Utility Connections" prior to the start of construction.
  - Any modifications to the utility construction shall be submitted to the District. Connections shall be in accordance with plans approved by the District. Public water and wastewater service will be withheld if the records with water or sanitary sewer connections are in accordance with approved plans or representations until corrections are made and approved by the District.
  - All connections to the District's water system shall be performed by The District. Connections to the sanitary sewer system shall be performed or supervised by representatives of the District.
  - Manholes, testing manholes, water meters, valves, and hydrants shall be per District standards and requirements. District specific system and regional for manholes and valves in public lines. All District manholes shall have 18" minimum clearances.
  - All waterline lines, hydrants, valves, and plugs shall be installed with restrained fittings. Restraints over the lines shall be installed or restrained pipe joint (per approved manufacturer). All pipe must include a minimum of two (2) joints of restraint on each side of the fitting. Public fire hydrants shall be installed by the District. All fire hydrants shall be installed with District approved and tested and labeled according to District color standards. All fire and backflow equipment in water lines shall be a minimum of two (2) joints of restraint on each side of the fitting and shall be installed with restrained fittings or adapters to test per District's District standards. The work must be installed on installed equipment and be tested.
  - An inspection shall be required at all locations in proposed concrete pressure pipe, over existing District utility easements to facilitate access removal and replacement for gravity flow connections. If a section of pressure pipe is replaced, a minimum of two (2) joints shall be installed for the second crossing.

- UTILITY LINES:**
- ALL SANITARY SEWER LINE SHALL BE PVC SDR 26.
  - ALL SANITARY SEWER LINE AT WATER LINE CROSSING SHALL BE PVC DR 25.
  - ALL WATER LINES SHALL BE C900 CLASS 150 DR 18.
  - FOR STORM SEWER DESIGN, SEE DWG. C5.2 & C10.1.
  - ALL METER VAULTS MUST BE PLACED ON STANDARD BEDDING.
  - ALL PRIVATE FIRE HYDRANT TO BE PAINTED YELLOW.

**LINE TABLE**

| LINE | BEARING       | DISTANCE |
|------|---------------|----------|
| L1   | N 38°19'54" E | 62.99'   |
| L2   | S 19°57'59" E | 200.47'  |
| L3   | S 87°14'05" W | 56.41'   |
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FORT BEND COUNTY W.C. & L.D. NO. 2  
 PLANS ARE APPROVED FOR  
 WATER & WASTEWATER UTILITIES  
 AS SHOWN ON THESE PLANS  
 BY: *[Signature]*  
 DATE: 7/11/14

**CURVE TABLE**

| CURVE | RADIUS   | DELTA     | ARC     | BEARING       | CHORD   |
|-------|----------|-----------|---------|---------------|---------|
| C1    | 2000.00' | 04°36'01" | 160.58' | S 40°37'54" W | 160.54' |

| NO. | REVISION | BY | DATE | CHKD. | DATE |
|-----|----------|----|------|-------|------|
|     |          |    |      |       |      |

**WATER AND SANITARY SEWER UTILITY PLAN**  
 PARK AT 3401 FIFTH STREET  
 3401 5th STREET  
 STAFFORD, TEXAS 77477

**DOSHI ENGINEERING & SURVEYING COMPANY**  
 CONSULTING ENGINEERS & SURVEYORS  
 KATY, TEXAS 77494

OFFICE: (281) 395-9906 FIRM REGISTRATION NO. F-9873

DRAWN BY: SD DATE: 04/08/2019  
 CHECKED BY: HD DATE: 04/08/2019  
 SCALE: 1"=40'  
 CAD NO.: DSD-2018-032 C2

PROJ. NO.:  
 DWG. NO.: C5.1B 0

*[Signature]* 8/14/19