

WALL REPAIRS AT TOBIE WILSON PARK TOWN OF MEDLEY, FLORIDA

7777 NW 72ND AVENUE
MEDLEY, FL 33166



VICINITY MAP
N.T.S.

SECTION 11 - TOWNSHIP 53 SOUTH - RANGE 40 EAST
TOWN OF MEDLEY
MIAMI-DADE COUNTY, FLORIDA

CIVIL PLAN INDEX

C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	REPORT OF CORE BORINGS
C-4	WALL PLAN & TYPICAL SECTION
C-5	WALL DETAILS
C-6	DEADMAN DETAILS
C-7	SEQUENCE & CONSTRUCTION

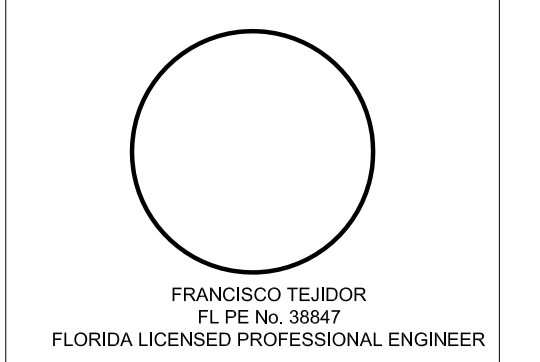


BERMELLO • AJAMIL
& PARTNERS • INC

Architecture Engineering Planning
Interior Design Landscape Architecture
2601 South Bayshore Drive 10th Floor
Miami, Florida 33133
(305) 859-2050 Fax (305) 860-3700



PROFESSIONAL SEAL:



100% SUBMITTAL

REVISIONS:

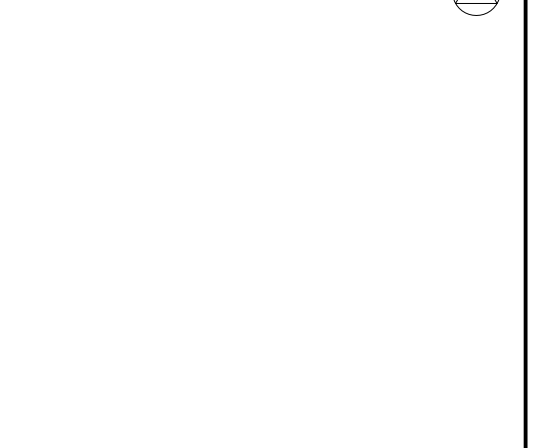
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

PROJECT NAME:

TOBIE WILSON PARK

PROJECT ADDRESS:
7777 NW 72ND AVENUE
MEDLEY, FL 33166

KEY PLAN



COMM. NO. 14081

SCALE: AS NOTED

DATE: 01-30-2015

DRAWN: C. SALTOS

CHECKED: F. TEJIDOR

CADD FILE: G:\ENGINTECH\14081 TOBIE
WILSON PARK\STRUCTURE

DRAWING TITLE:

COVER SHEET

SHEET NO.

C-1

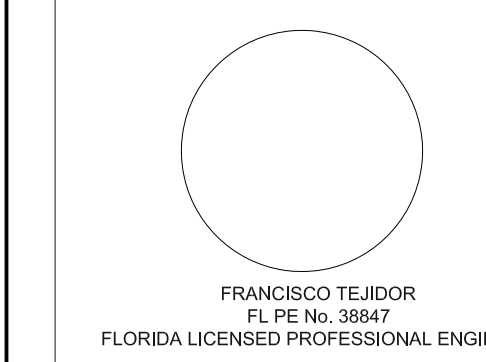


BERMELLO-AJAMIL & PARTNERS-INC

Architecture Engineering Planning Interior Design Landscape Architecture 2601 South Bayshore Drive 10th Floor Miami, Florida 33133 (305) 859-2050 Fax (305) 860-3700



PROFESSIONAL SEAL:



100% SUBMITTAL

REVISIONS:

PROJECT NAME:

TOBIE WILSON PARK

PROJECT ADDRESS:

7777 NW 72ND AVENUE MEDLEY, FL 33166

KEY PLAN

COMM. NO. 14081

SCALE: AS NOTED

DATE: 01-30-2015

DRAWN: C. SALTOS

CHECKED: F. TEJIDOR

CADD FILE: G:\ENGINTECH\14081\TOBIE WILSON PARK\STRUCTURE

DRAWING TITLE:

GENERAL NOTES

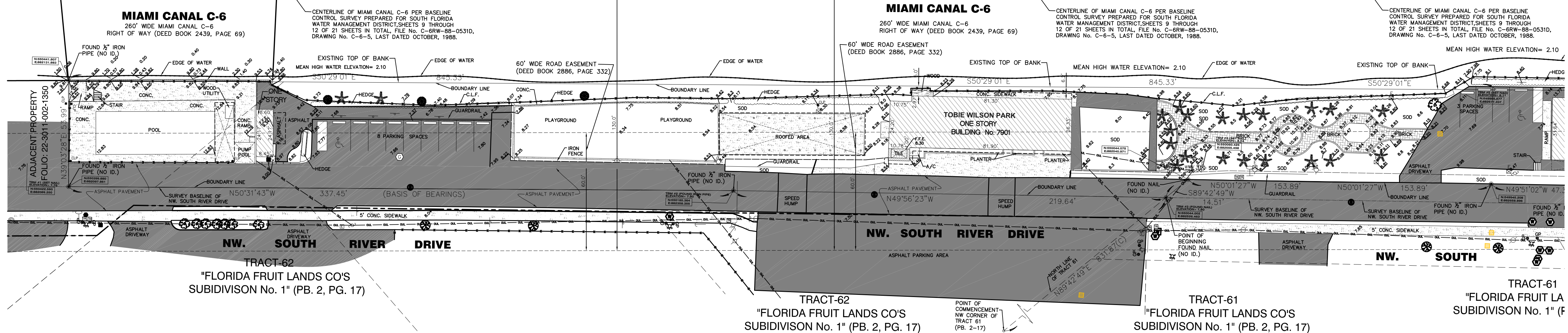
SHEET NO.

C-2

CENTERLINE CONSTRUCTION (SECTION 87090-2502)

BEGIN REPAIRS

END REPAIRS



GENERAL NOTES

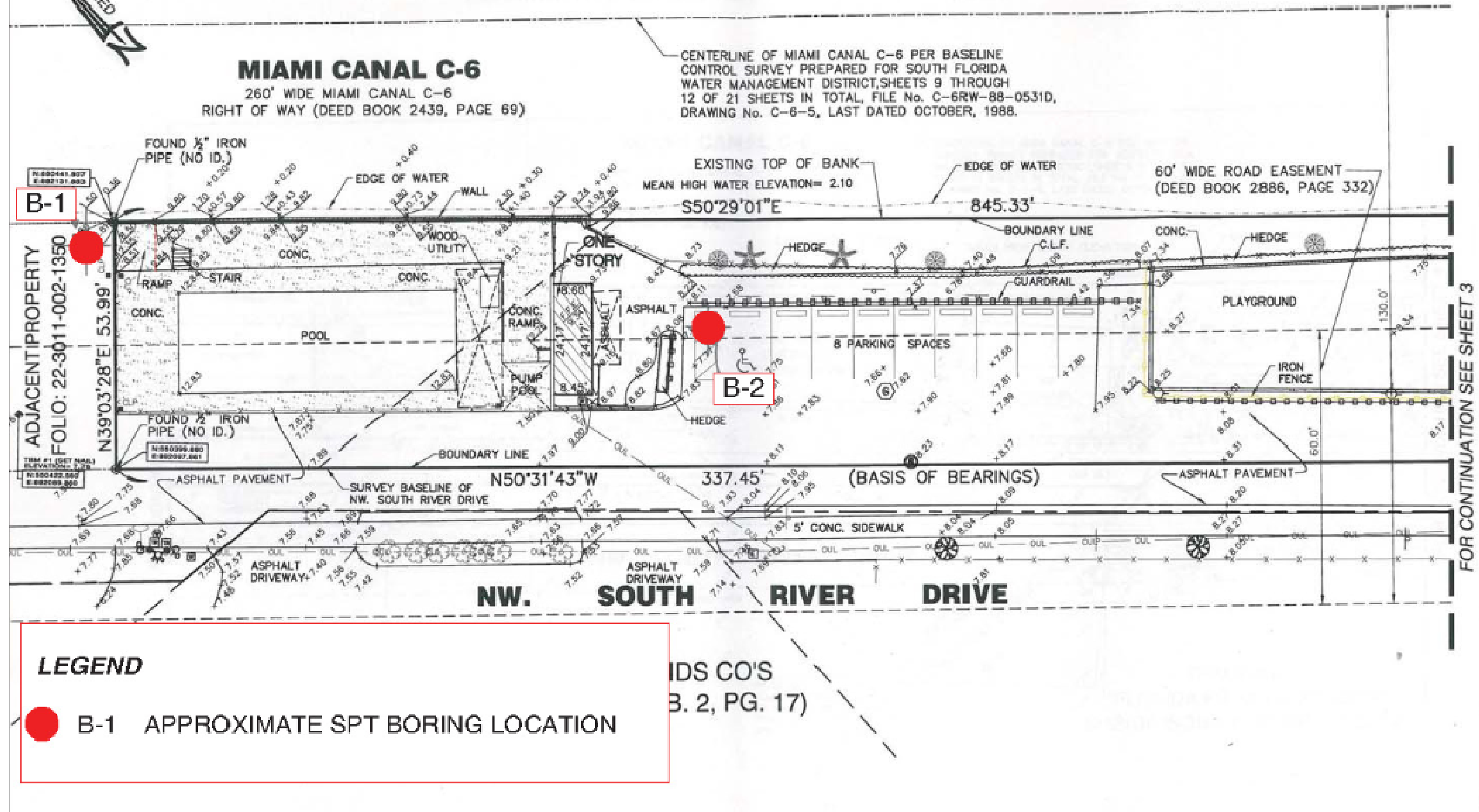
- 1. CONSTRUCTIONS SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". (2000) AND SUPPLEMENTS THERETO.
2. DESIGN SPECIFICATIONS: DESIGN SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
AASTHO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION AND INTERIMS THEREOF.
FDOT STRUCTURE DESIGN GUIDELINES; 2014 EDITION
3. MATERIAL STRESSES: ALL ALLOWABLE STRESSES SHALL BE IN ACCORDANCE WITH THE CURRENT AASTHO SPECIFICATIONS FOR ALL MATERIALS SHOWN ON THE PLANS.
CONCRETE COMPRESSIVE STRENGTH:
DEADMAN: CLASS IV fc = 5500 psi
CONCRETE SHALL CONFORM TO SECTION 346 OF THE GENERAL SPECIFICATIONS.
PROVIDE 3/8 INCH CHAMFERS ON ALL EXPOSED EDGES AND CORNERS EXCEPT AS OTHERWISE NOTED.
CONSTRUCTION JOINTS SHALL BE PERMITTED ONLY AT LOCATIONS INDICATED ON THE PLANS. ADDITIONAL CONSTRUCTION JOINTS OR ALTERATIONS TO THOSE SHOWN SHALL REQUIRE APPROVAL OF THE ENGINEER.
4. REINFORCING STEEL: ASTM A615, GRADE 60.
ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING STEEL ARE TO CENTERLINE OF BARS EXCEPT FOR COVER, WHERE DIMENSIONS IS FROM PERIMETER OF REINFORCING STEEL TO FACE OF CONCRETE.
ANCHORS RODS: PROVIDE DWYDAG # 6 (60 ksi)
PROTECTIVE COATINGS: USE COAL TAR EPOXY.

RETAINING WALL GENERAL NOTES

- 1. CONCRETE COVER: (UNLESS OTHERWISE NOTED) DEADMAN = 2"
CONCRETE COVER SHOWN ON THE PLANS DOES NOT INCLUDE PLACEMENT AND FABRICATION TOLERANCES, SEE F.D.O.T. STANDARD SPECIFICATIONS FOR ALLOWABLE TOLERANCES.
2. POLLUTION CONTROL:
DURING THE CONSTRUCTION ANY GENERATED DEBRIS SHALL BE CONFINED TO THE IMMEDIATE AREA OF RETAINING WALL. APPROPRIATE SCREENS AND BARRIERS SHALL BE ERECTED TO PROTECT PEDESTRIANS, BOATING AND VEHICULAR TRAFFIC.
3. SHEET PILE WALL DESIGN
SHEET PILE WALL REQUIREMENTS DETAILED IN THE PLANS HAS BEEN DESIGNED FOR THE FOLLOWING ASSUMED CONDITIONS:
a) UNIT WEIGHT OF SOIL 100 PCF
b) UNIT WEIGHT OF SATURATED SOIL 40 PCF
c) INTERNAL ANGLE OF FRICTION 30 DEGREES
d) ROCK MODELED AS STIFF CLAY
e) SURCHARGE 200 PSF
IF THE UNIT WEIGHT OF THE FILL PROPOSED BY THE CONTRACTOR DIFFERS FROM THE ABOVE, THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER FOR A POSSIBLE REDESIGN.
8. DESIGN METHOD: ASD
THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY FIELD CONDITION THAT IS DIFFERENT FROM THOSE SHOWN ON THESE PLANS AND FINAL DIMENSIONS SHALL BE ESTABLISHED BASED ON THIS FIELD CONDITIONS PRIOR TO FABRICATING.
THE FOLLOWING MINIMUM FACTORS OF SAFETY SHALL BE UTILIZED IN THE DESIGN OF THE WALLS:
OVERTURNING F.S. = 2.0
SLIDING F.S. = 1.5
BEARING CAPACITY F.S. = 2.5
OVERALL STABILITY F.S. = 1.5
UTILITIES:
LOCATION OF UNDERGROUND UTILITIES SHOWN ON CONTRACT DRAWINGS WERE GIVEN THE RESPECTIVE UTILITY COMPANIES. CONTRACTOR IS TO VERIFY LOCATION OF EXISTING UTILITIES AND STRUCTURES PRIOR TO BEGINNING ANY WALL CONSTRUCTION. ALL CONFLICTS SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER.
THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS BASED ON FINAL (ACTUAL) DIMENSION. SHOULD THE ACTUAL FIELD DIMENSION DIFFER FROM THE PLAN DIMENSIONS, THE CONTRACTOR SHALL ALSO SUBMIT CALCULATIONS BASED ON THE ACTUAL DIMENSIONS.
TEMPORARY WORK TRENCH SHALL NOT EXCEED 10 F.T. IN WIDTH.

MAP OF TOPOGRAPHIC SURVEY

A PORTION OF TRACTS 61 AND 62 OF FLORIDA FRUIT LAND COMPANY'S, SUBDIVISION OF SECTION 11, TOWNSHIP 53 SOUTH, RANGE 40 EAST, ACCORDING TO THE PLAT THEREOF, RECORDED IN PLAT BOOK 2, PAGE 17 OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.



LEGEND

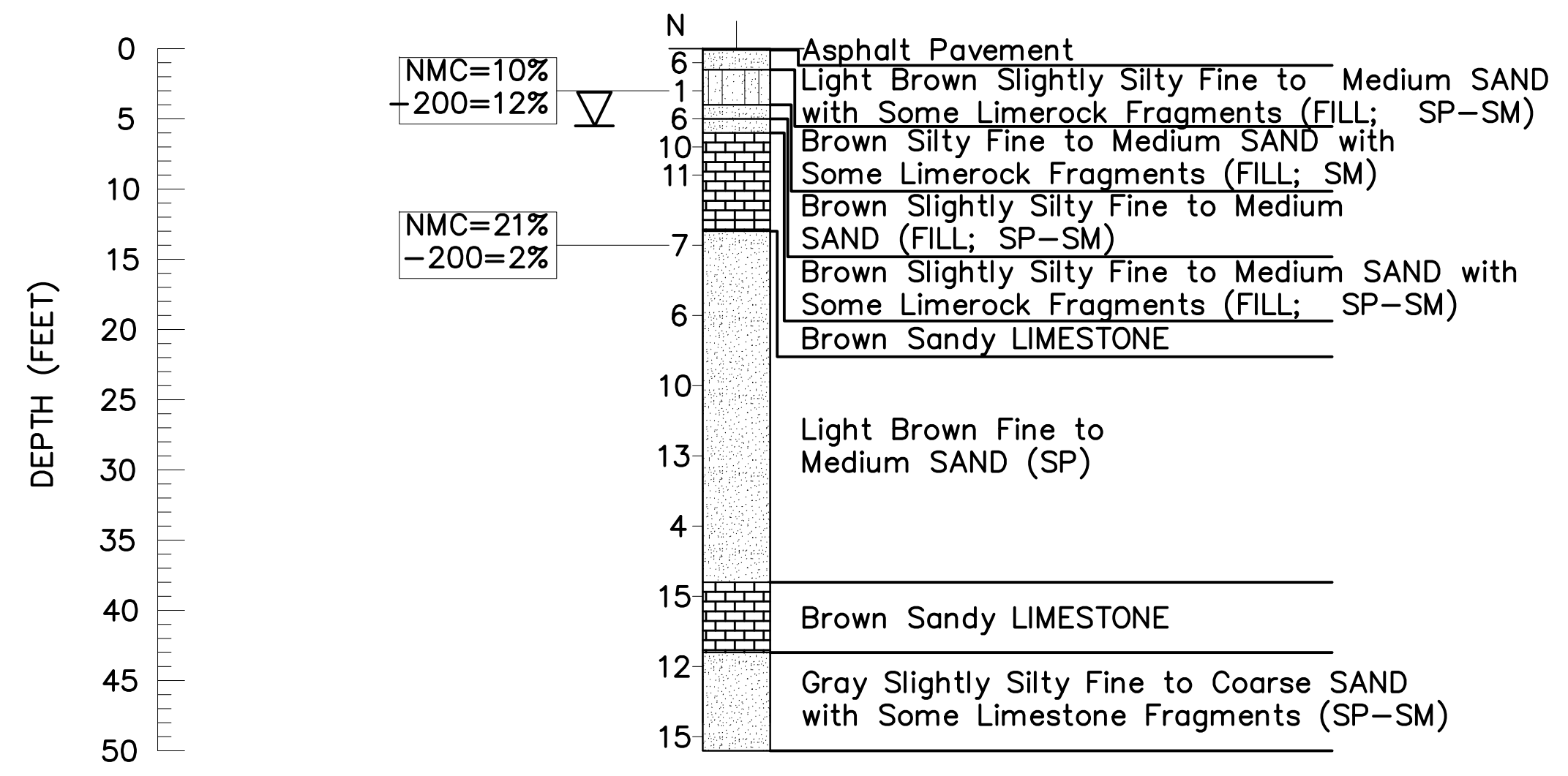
● B-1 APPROXIMATE SPT BORING LOCATION

BORING LOCATION PLAN

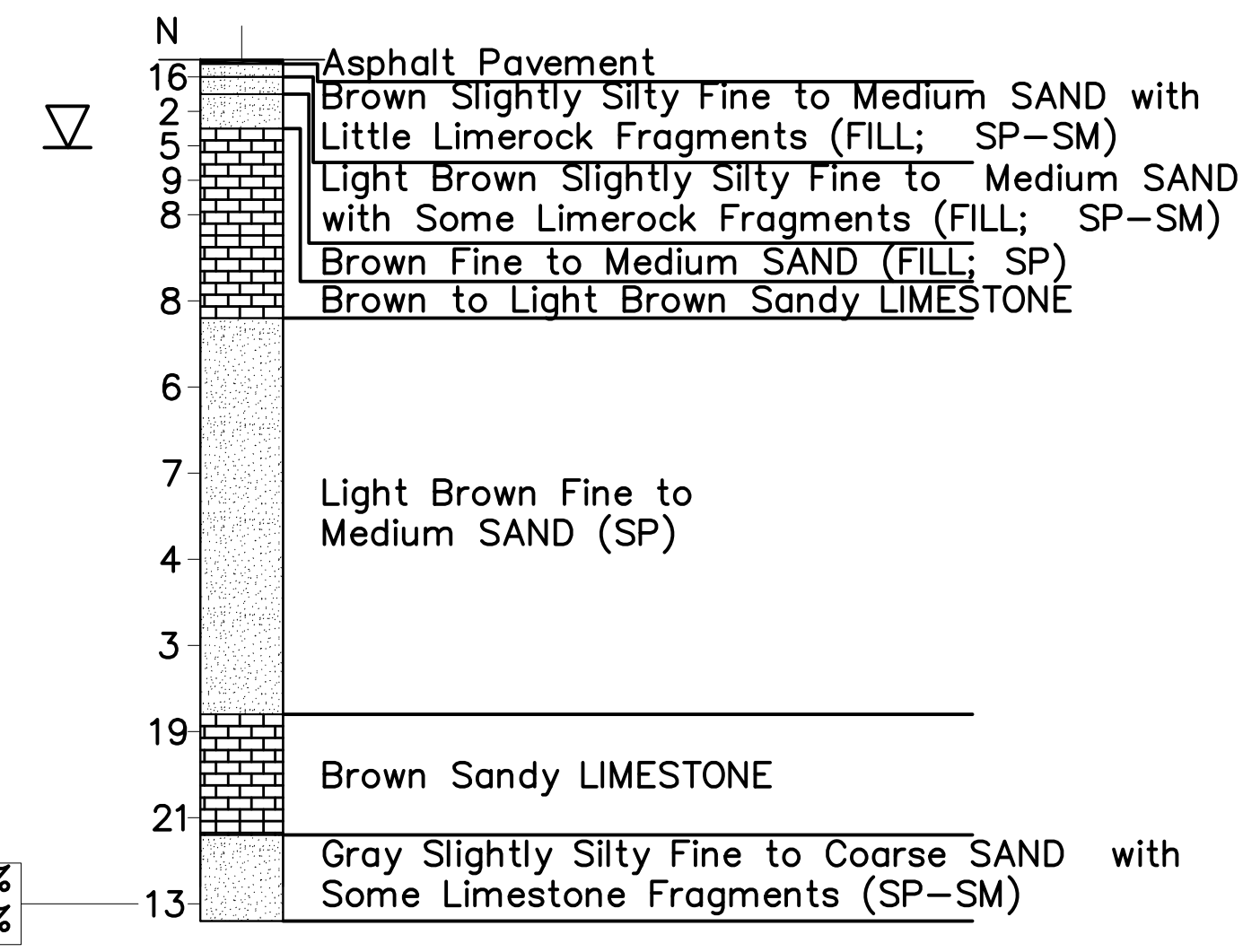
N.T.S.

BOR # B-1
 ELEV. N/A
 DATE 12/11/2014
 DRILLER J. Gonzalez - GEOSOL, Inc.
 HAMMER Auto
 RIG B-53
 NORTHING 550447.3
 EASTING 882119.9

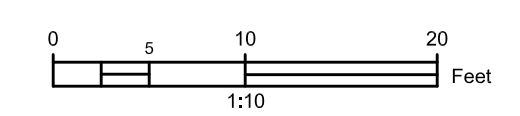
BOR # B-2
 ELEV. N/A
 DATE 12/11/2014
 DRILLER J. Gonzalez - GEOSOL, Inc.
 HAMMER Auto
 RIG B-53
 NORTHING 550344.2
 EASTING 882213.8



Boring Terminated at Depth of 50ft
 Casing Length 48ft



Boring Terminated at Depth of 50ft
 Casing Length 48ft



VERTICAL SCALE
 HORIZONTAL SCALE: N.T.S.

LEGEND

- ASPHALT PAVEMENT
- ▨ SAND (FILL; SP-SM)
- ▨ SILTY SAND (FILL; SM)
- ▨ SAND (SP, SP-SM)
- ▨ LIMESTONE

- ▽ WATER TABLE AT TIME OF DRILLING
- APPROXIMATE SPT BORING LOCATION
- || CASING USED
- N NUMBERS TO THE LEFT OF BORINGS INDICATE SPT VALUE FOR 12" PENETRATION (UNLESS OTHERWISE NOTED).
- NMC NATURAL MOISTURE CONTENT (%)
- 200 FINES PASSING THE #200 SIEVE (%)

- NOTES:**
- SPT BORINGS PERFORMED PER ASTM D-1586 WITH A HAMMER WEIGHT OF 140 LBS FALLING 30 INCHES.

NOTE FOR FOUNDATION CONSTRUCTION:

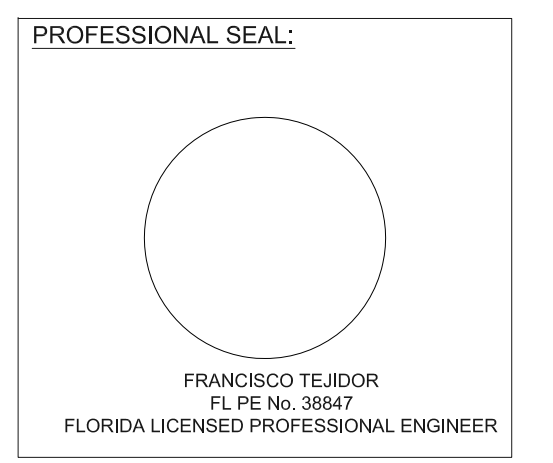
- THE CONTRACTOR IS ADVISED THAT CAVING SOILS AND/OR DENSE TO VERY DENSE SOILS MAY BE ENCOUNTERED DURING FOUNDATION CONSTRUCTION.
- THE CONTRACTOR IS ADVISED THAT THE NATURAL LIMESTONE FORMATION MAY BE DIFFICULT TO EXCAVATE, PENETRATE AND/OR DEWATER. SPECIAL EQUIPMENT MAY BE REQUIRED.

GRANULAR MATERIALS- RELATIVE DENSITY	AUTOMATIC SPT HAMMER (BLOWS PER FOOT)
VERY LOOSE	LESS THAN 3
LOOSE	3-8
MEDIUM DENSE	8-24
DENSE	24-40
VERY DENSE	GREATER THAN 40
SILTS AND CLAYS CONSISTANCY	AUTOMATIC SPT HAMMER (BLOWS PER FOOT)
VERY SOFT	LESS THAN 1
SOFT	1-3
FIRM	3-6
STIFF	6-12
VERY STIFF	12-24
HARD	GREATER THAN 24



BERMELLO-AJAMIL & PARTNERS INC

Architecture Engineering Planning
 Interior Design Landscape Architecture
 2601 South Bayshore Drive 10th Floor
 Miami, Florida 33133
 (305) 859-2050 Fax (305) 860-3700

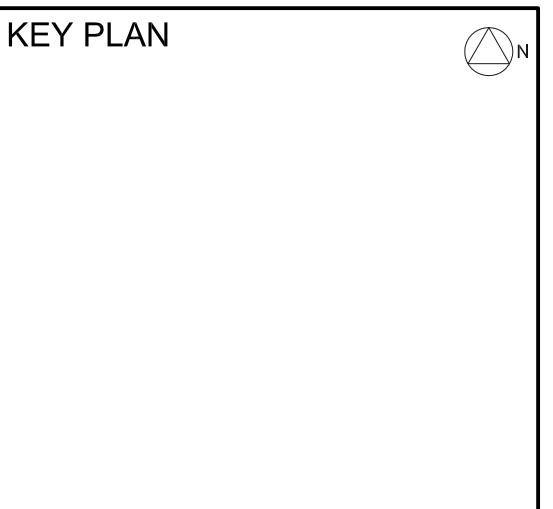


100% SUBMITTAL

REVISIONS:

PROJECT NAME:
TOBIE WILSON PARK

PROJECT ADDRESS:
 7777 NW 72ND AVENUE
 MEDLEY, FL 33166



COMM. NO. 14081
 SCALE: AS NOTED
 DATE: 01-30-2015
 DRAWN: C. SALTOS
 CHECKED: F. TEJIDOR
 CADD FILE: G:\ENGINTECH\14081 TOBIE WILSON PARK\STRUCTURE

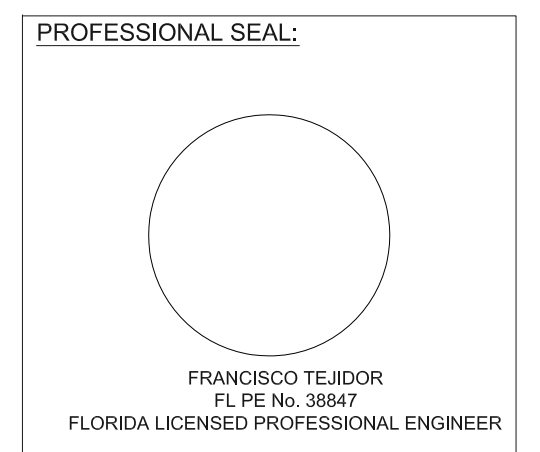
DRAWING TITLE:
REPORT OF CORE BORINGS

SHEET NO.
C-3



**BERELLO • AJAMIL
& PARTNERS • INC**

Architecture Engineering Planning
Interior Design Landscape Architecture
2601 South Bayshore Drive 10th Floor
Miami, Florida 33133
(305) 859-2050 Fax (305) 860-3700

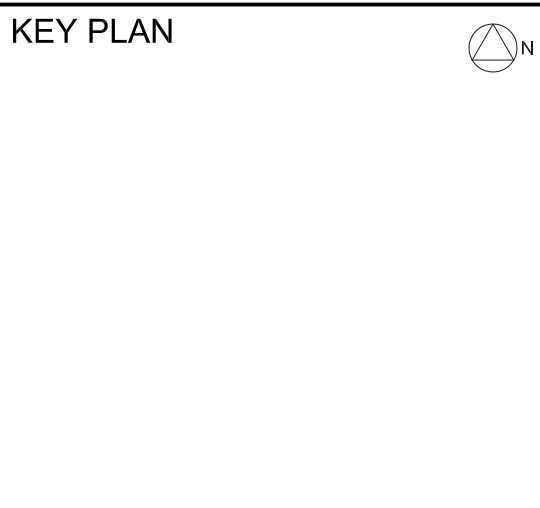


100% SUBMITTAL

REVISIONS:

PROJECT NAME:
TOBIE WILSON PARK

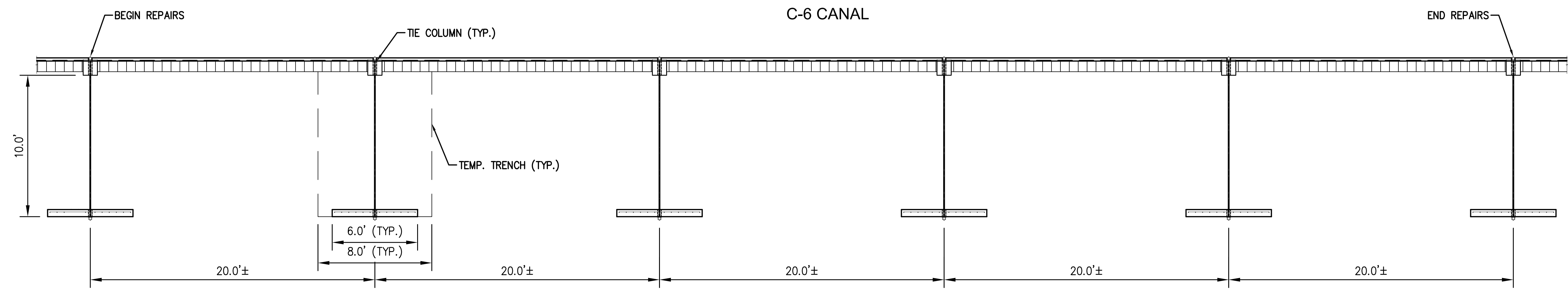
PROJECT ADDRESS:
7777 NW 72ND AVENUE
MEDLEY, FL 33166



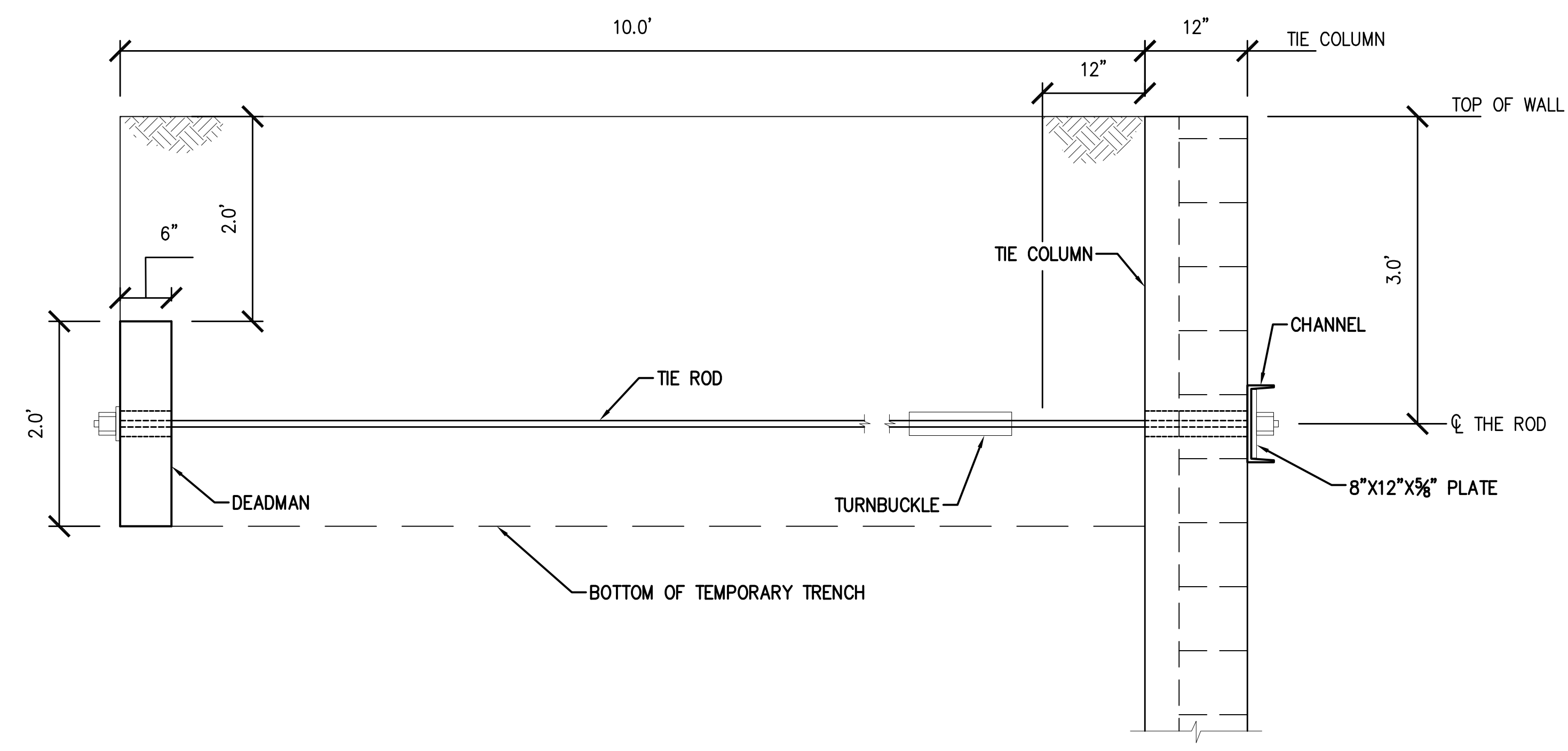
COMM. NO. 14081
 SCALE: AS NOTED
 DATE: 01-30-2015
 DRAWN: C. SALTOS
 CHECKED: F. TEJIDOR
 CADD FILE: G: ENG\STRUCTURE\14081 TOBIE WILSON PARK\STRUCTURE

DRAWING TITLE:
**WALL PLAN &
TYPICAL SECTION**

SHEET NO.
C-4



WALL PLAN VIEW
SCALE: 1" = 4'

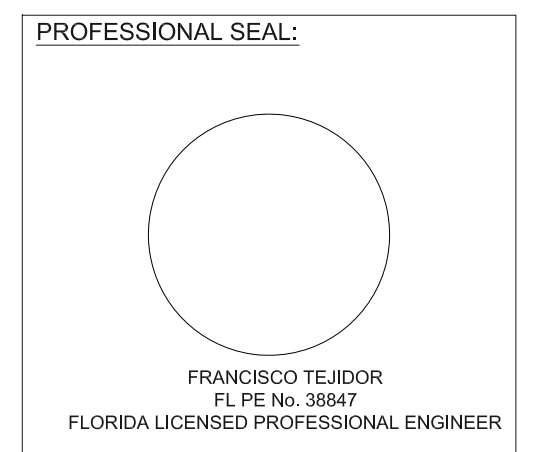


TYPICAL WALL SECTION
SCALE: 1" = 1'



BERMELLO • AJAMIL
& PARTNERS • INC

Architecture Engineering Planning
Interior Design Landscape Architecture
2601 South Bayshore Drive 10th Floor
Miami, Florida 33133
(305) 859-2050 Fax (305) 860-3700

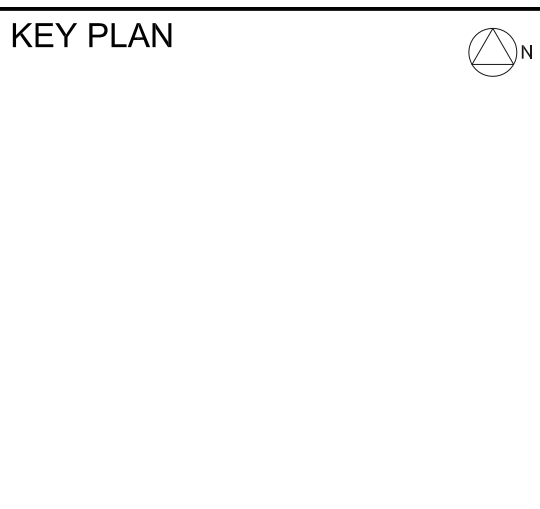


100% SUBMITTAL

REVISIONS:

PROJECT NAME:
TOBIE WILSON PARK

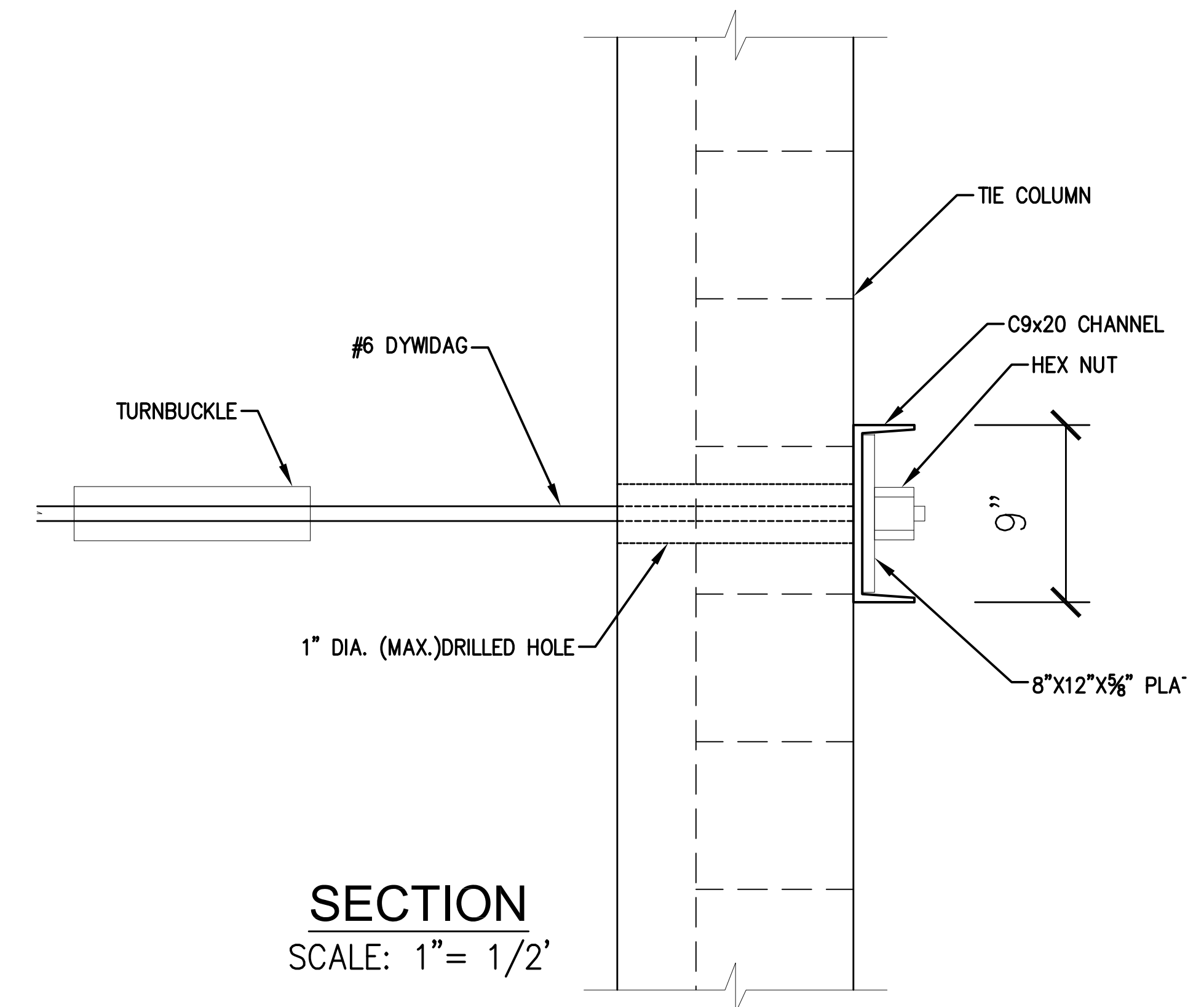
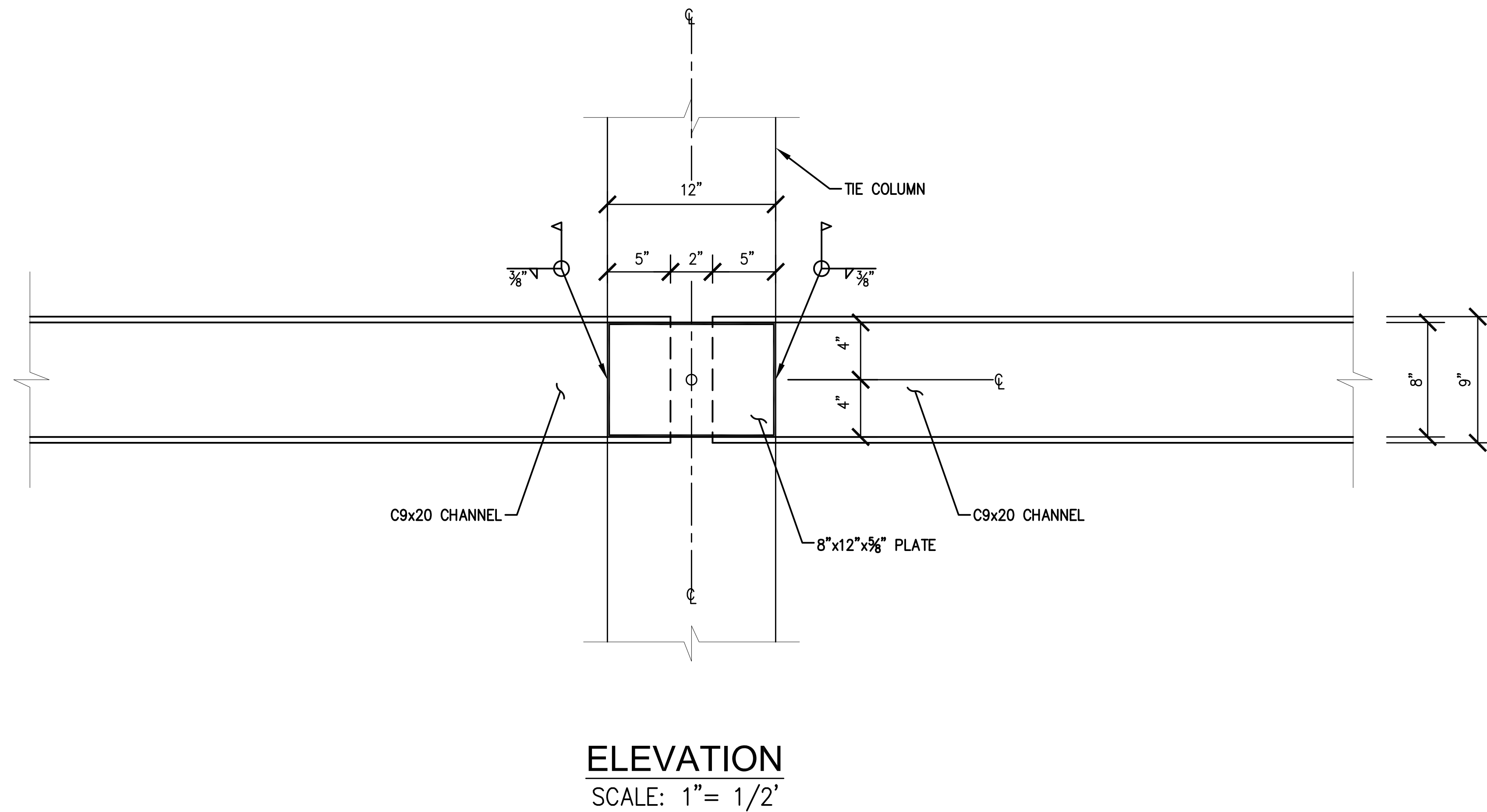
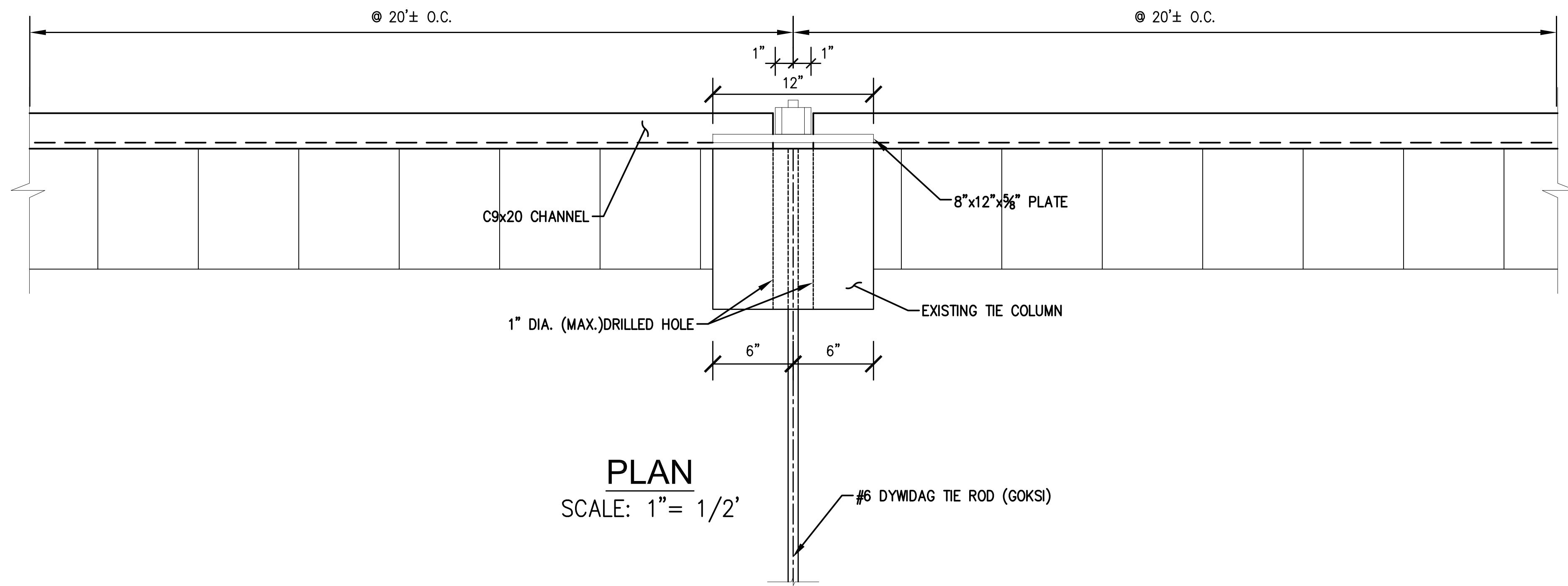
PROJECT ADDRESS:
7777 NW 72ND AVENUE
MEDLEY, FL 33166



COMM. NO. 14081
SCALE: AS NOTED
DATE: 01-30-2015
DRAWN: C. SALTOS
CHECKED: F. TEJIDOR
CADD FILE: G: ENGIS\STRUCTURE\14081 TOBIE WILSON PARK\STRUCTURE

DRAWING TITLE:
WALL DETAILS

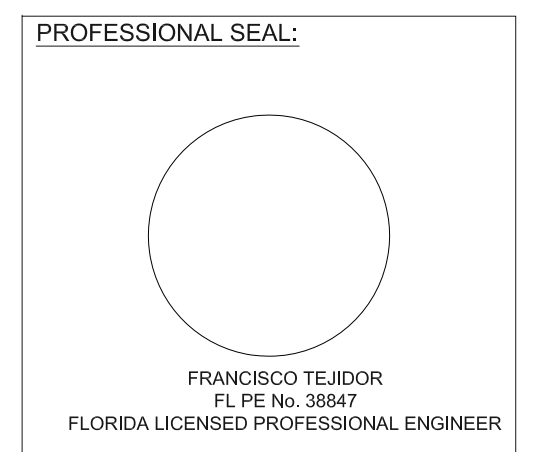
SHEET NO.
C-5





**BERMELLO • AJAMIL
& PARTNERS • INC**

Architecture Engineering Planning
Interior Design Landscape Architecture
2601 South Bayshore Drive 10th Floor
Miami, Florida 33133
(305) 859-2050 Fax (305) 860-3700

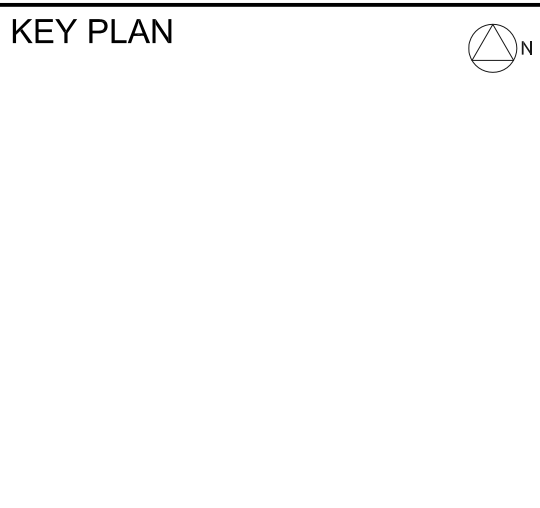


100% SUBMITTAL

REVISIONS:

PROJECT NAME:
TOBIE WILSON PARK

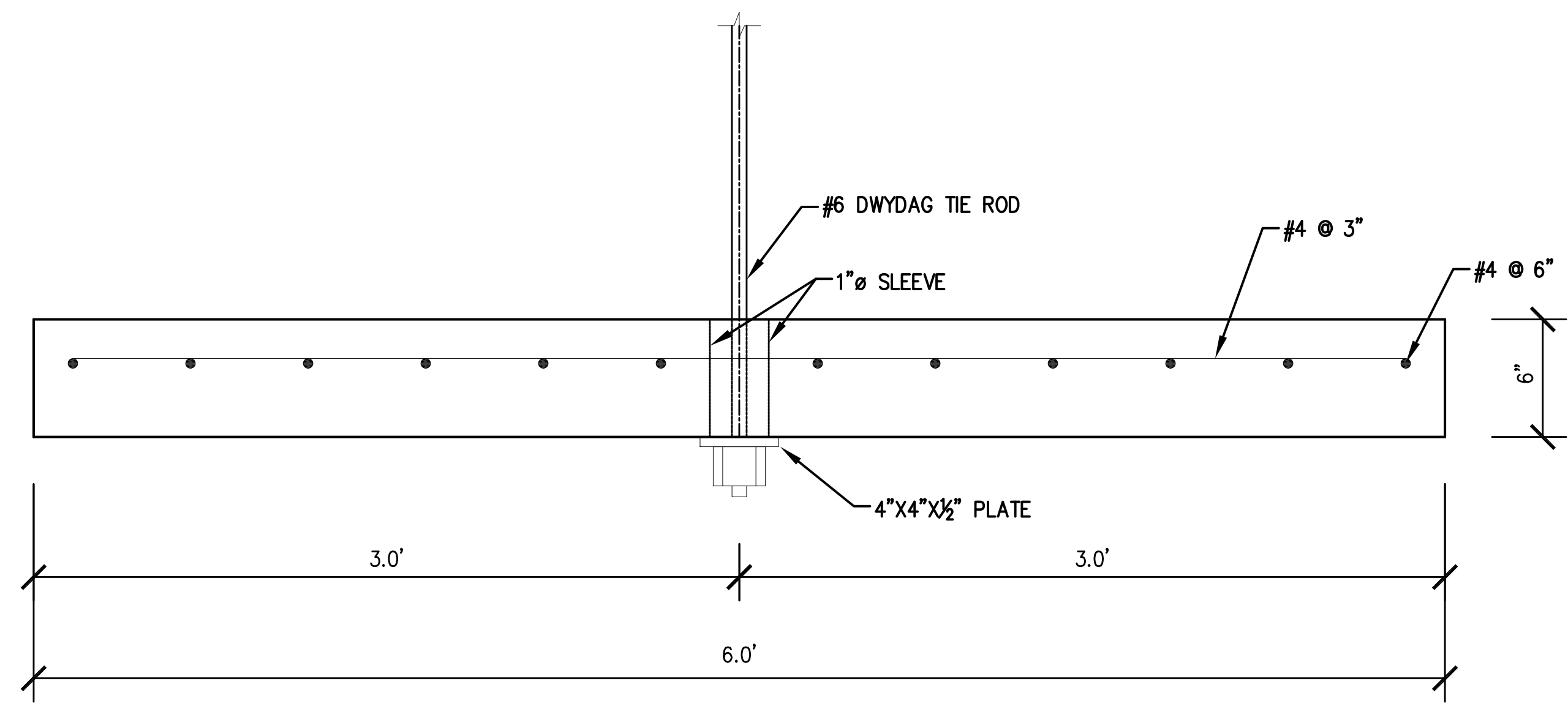
PROJECT ADDRESS:
7777 NW 72ND AVENUE
MEDLEY, FL 33166



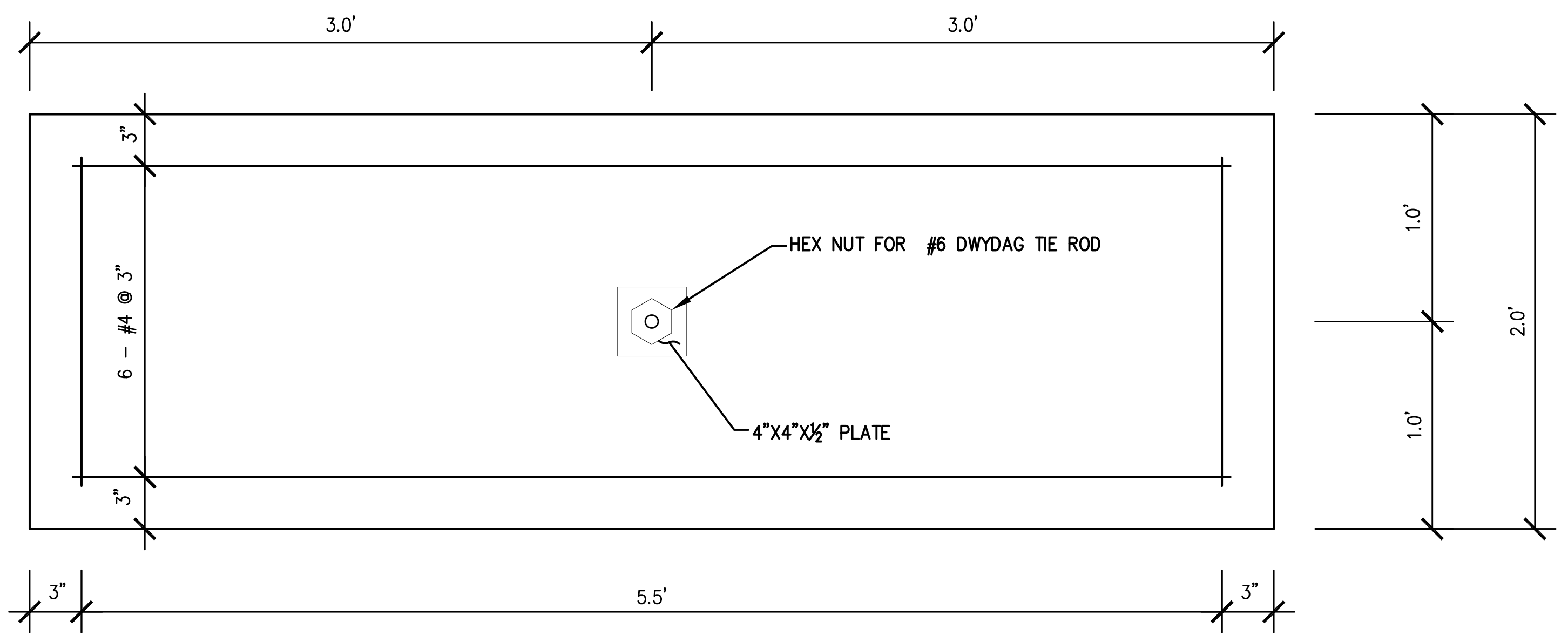
COMM. NO. 14081
 SCALE: AS NOTED
 DATE: 01-30-2015
 DRAWN: C. SALTOS
 CHECKED: F. TEJIDOR
 CADD FILE: G: ENG\STRUCTURE\14081 TOBIE WILSON PARK\STRUCTURE

DRAWING TITLE:
**DEADMAN
DETAILS**

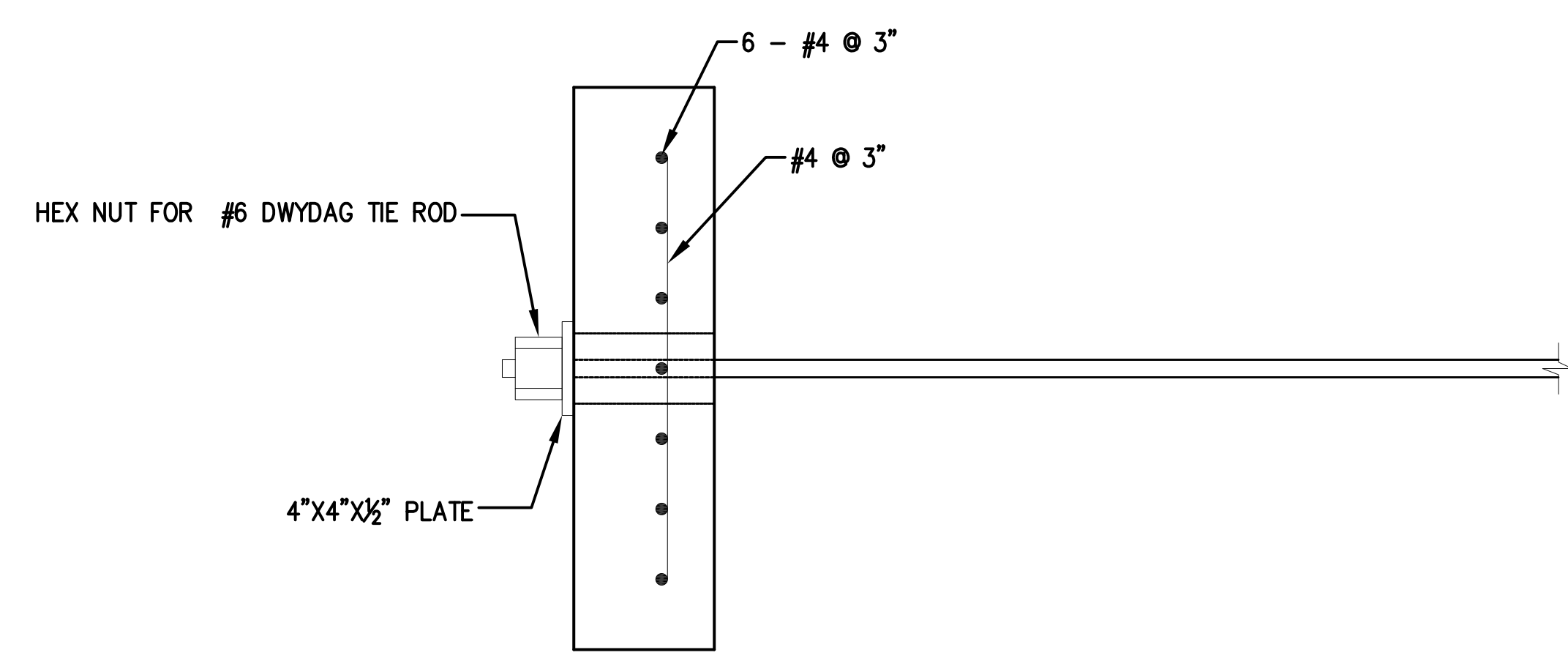
SHEET NO.
C-6



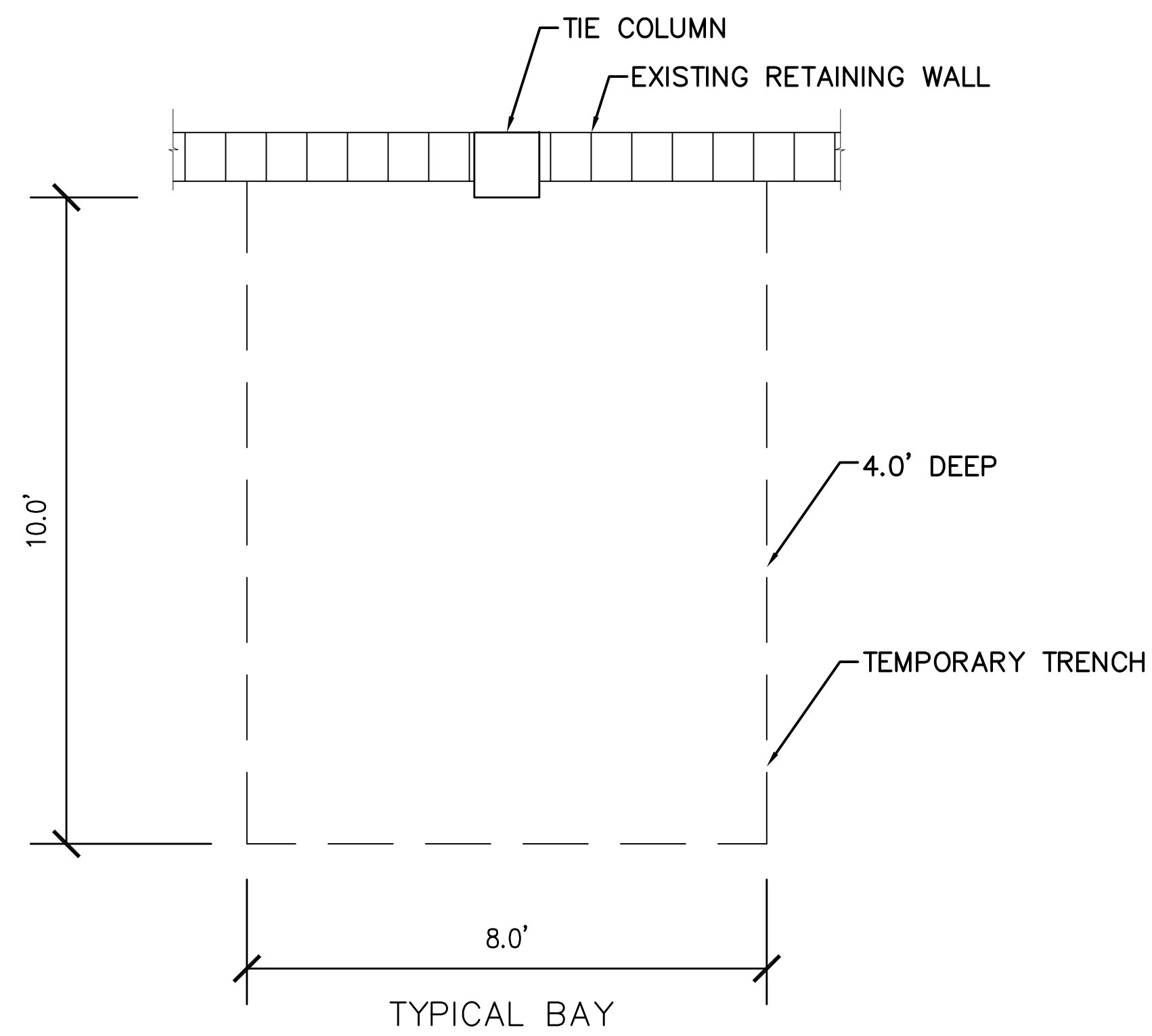
PLAN
SCALE: 1" = 1/2'



ELEVATION
SCALE: 1" = 1/2'

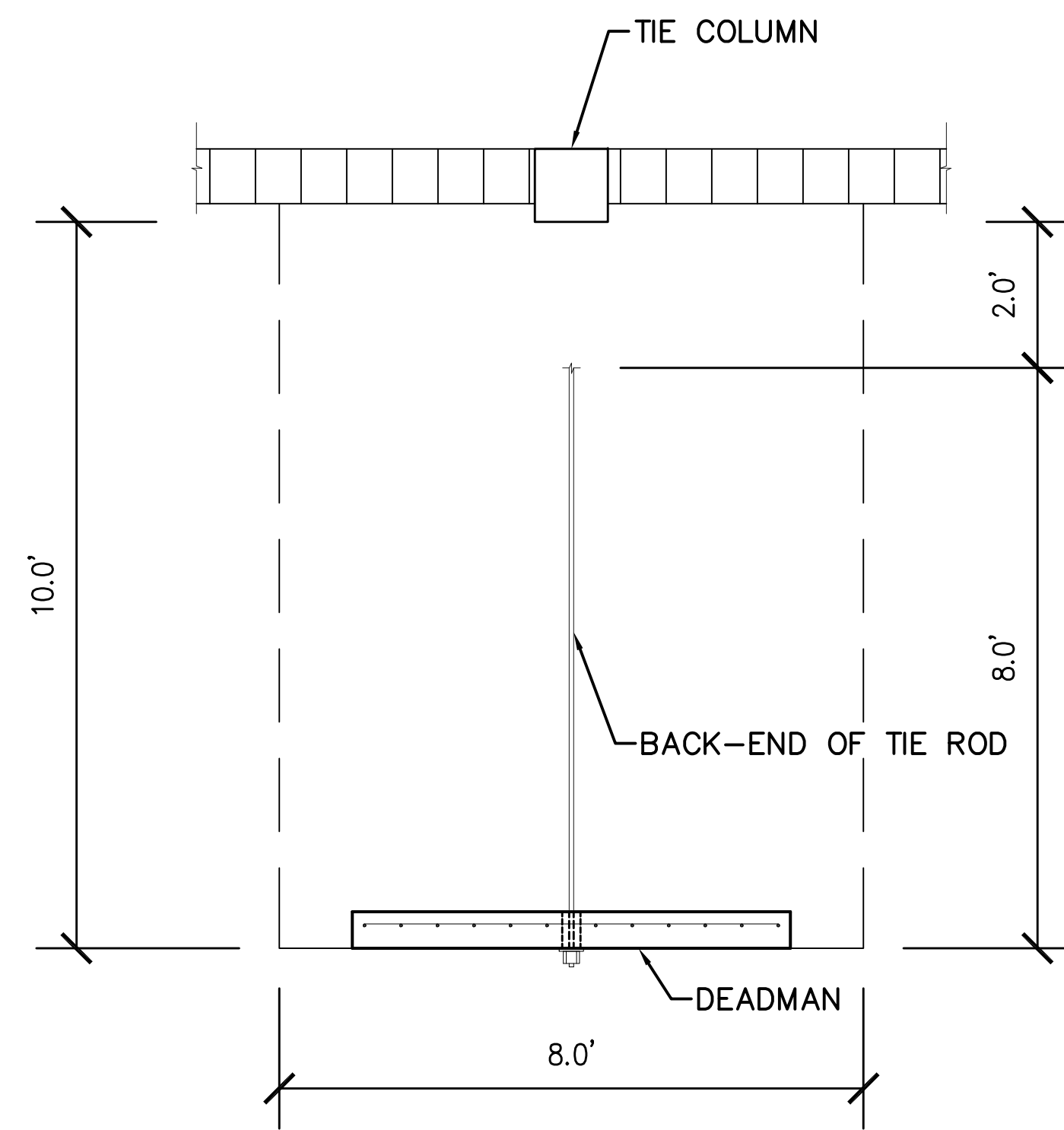


SECTION
SCALE: 1" = 1/2'



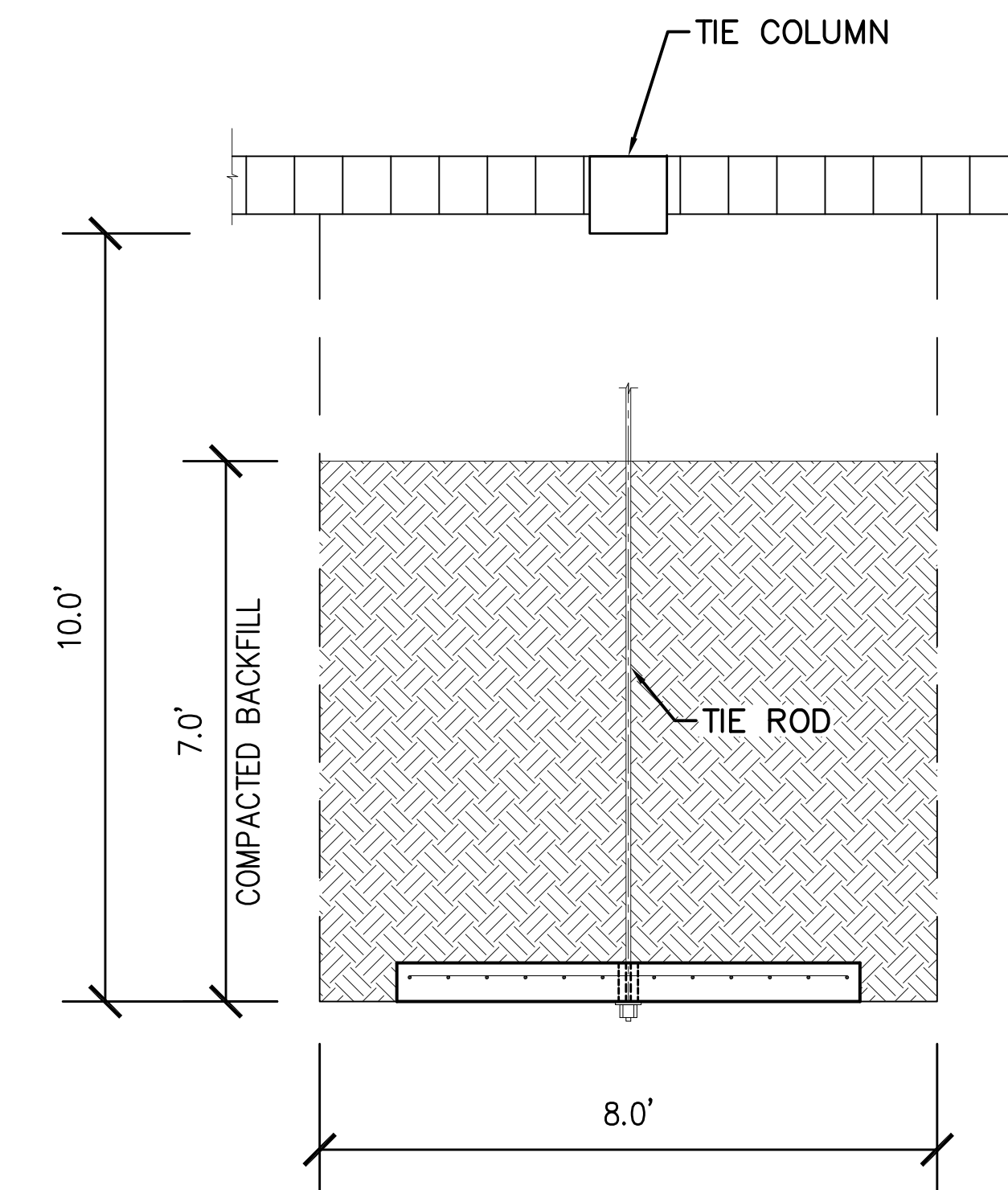
PHASE 1
SCALE: 1"= 2'

1.- REMOVE CONCRETE SLAB & EXCAVATE TRENCH



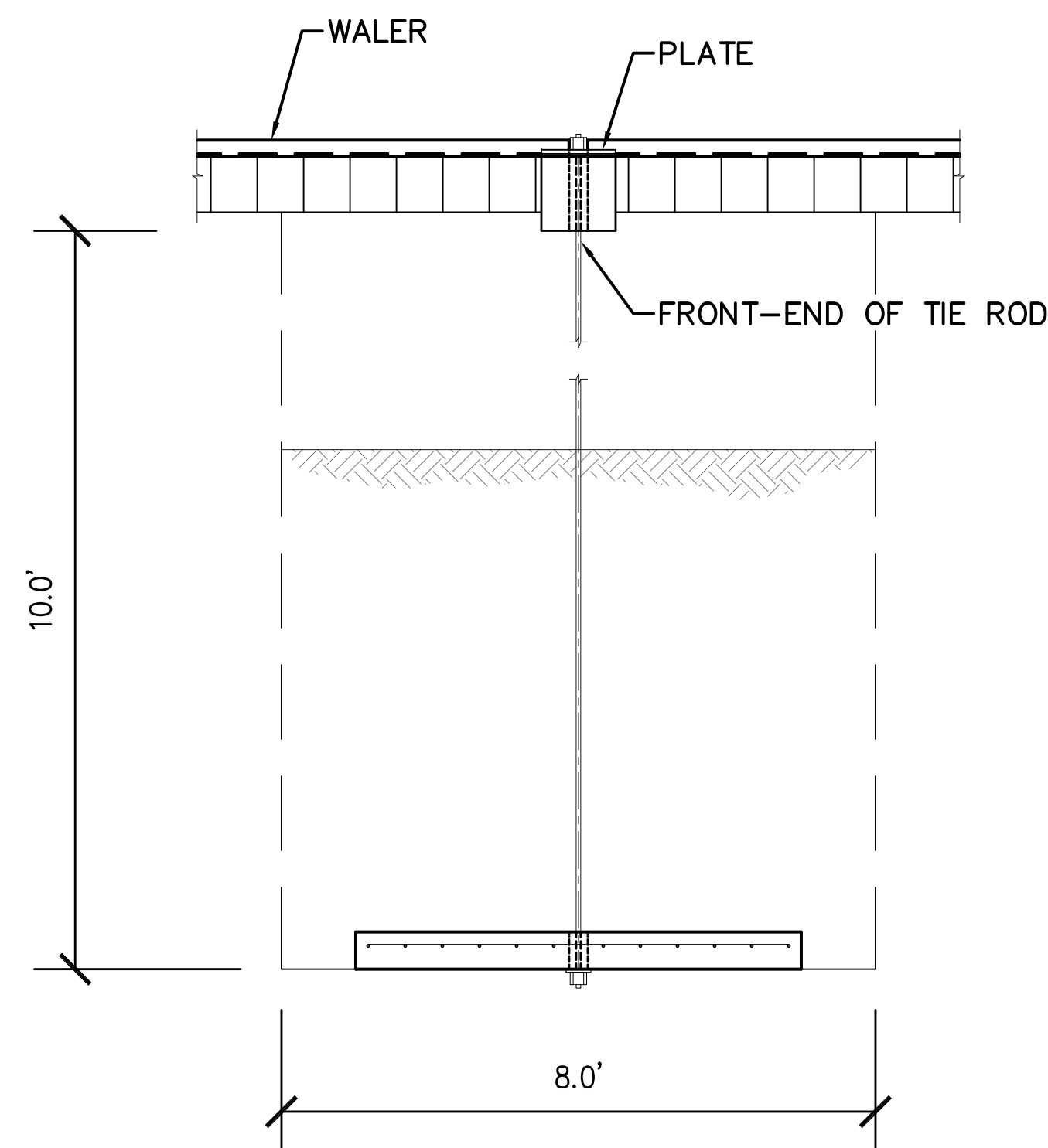
PHASE 2
SCALE: 1"= 2'

1.- INSTALL DEADMAN & BACK-END OF TIE ROD



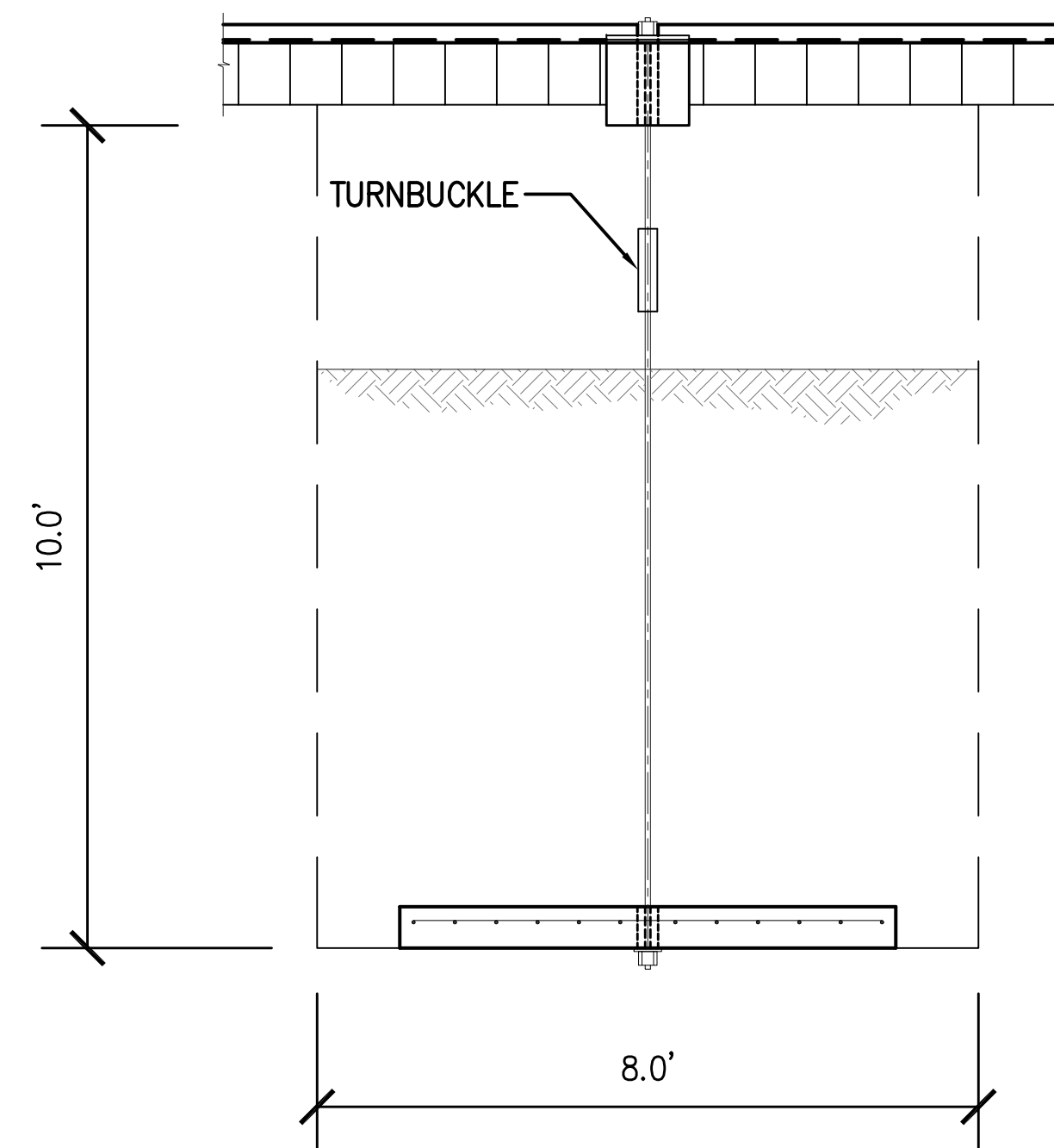
PHASE 3
SCALE: 1"= 2'

1.- PLACE BACKFILL AND COMPACT



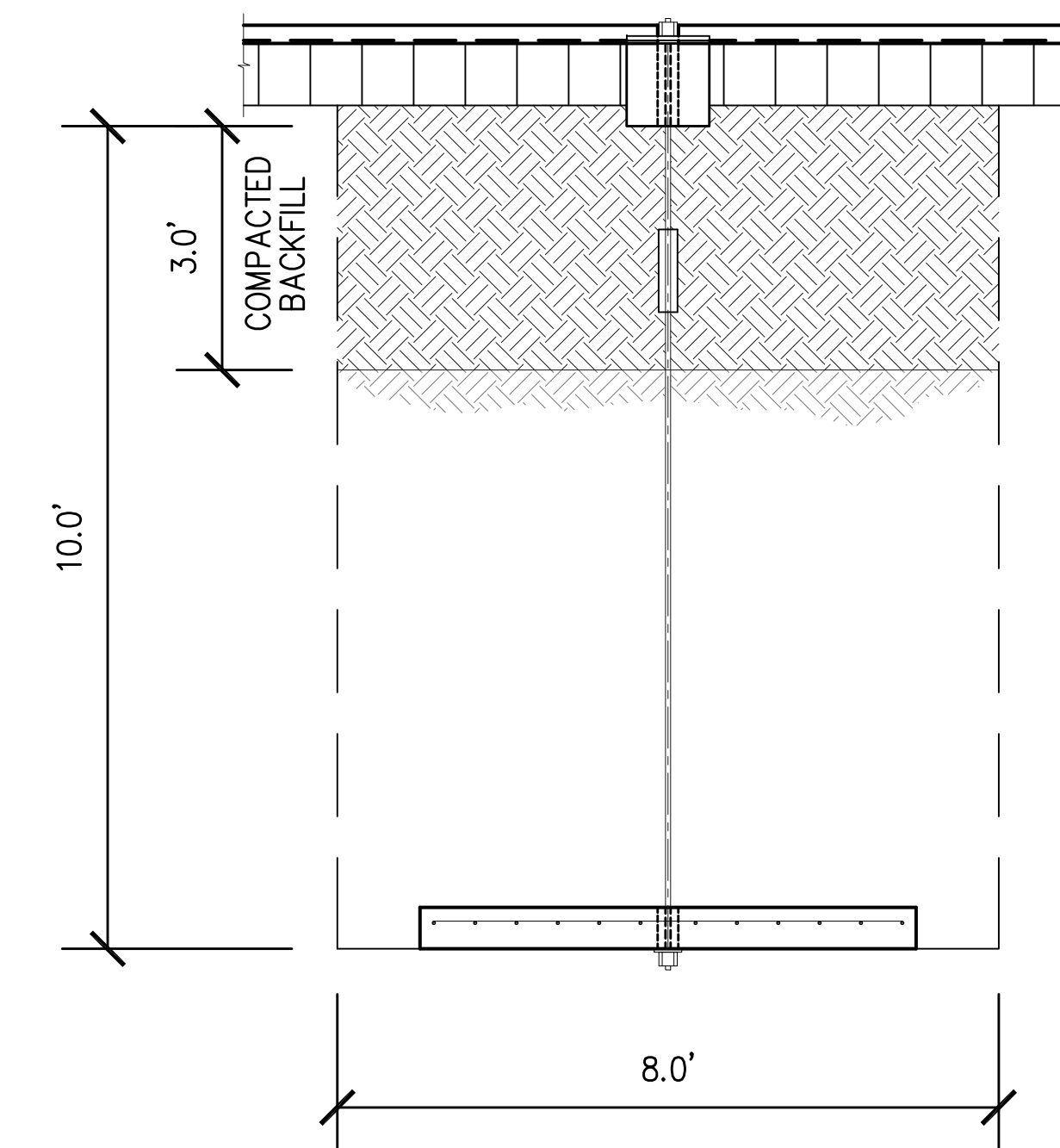
PHASE 4
SCALE: 1"= 2'

1.- INSTALL WALER & FRONT & END OF TIE ROD (WELD PLATE TO WALER)
2.- DRILL THROUGH TIE COLUMN & INSTALL



PHASE 5
SCALE: 1"= 2'

1.- INSTALL TURNBUCKLE & PRE-LOAD TIE ROD



PHASE 6
SCALE: 1"= 2'

1.- PLACE BACKFILL AND COMPACT, REPLACE CONCRETE SLAB



**BERMELLO-AJAMIL
& PARTNERS-INC**
Architecture Engineering Planning
Interior Design Landscape Architecture
2601 South Bayshore Drive 10th Floor
Miami, Florida 33133
(305) 859-2050 Fax (305) 860-3700



PROFESSIONAL SEAL:

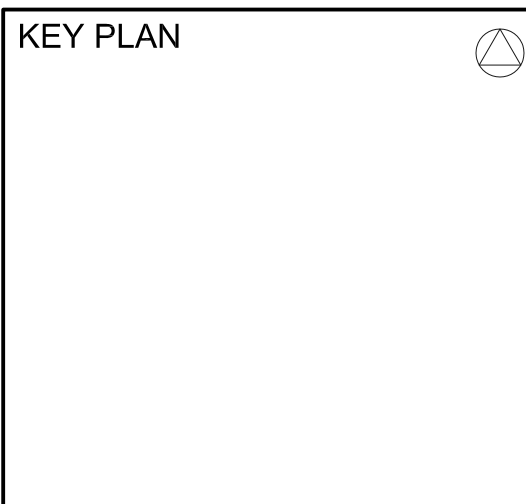
FRANCISCO TEJADOR
FL PE No. 38847
FLORIDA LICENSED PROFESSIONAL ENGINEER

100% SUBMITTAL

REVISIONS:

PROJECT NAME:
TOBIE WILSON PARK

PROJECT ADDRESS:
7777 NW 72ND AVENUE
MEDLEY, FL 33166



COMM. NO. 14081
SCALE: AS NOTED
DATE: 01-30-2015
DRAWN: C. SALTOS
CHECKED: F. TEJADOR
CADD FILE: R:\

DRAWING TITLE:
**SEQUENCE &
CONSTRUCTION**

SHEET NO.
C-7