

CONSTRUCTION PLANS  
FOR  
WATERMARK PH. 1 & MASTER GRADING PLANS  
SECTIONS 1 & 2 TOWNSHIP 21S RANGE 25E  
SECTION 35 TOWNSHIP 20S RANGE 25E

TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY, FLORIDA  
JULY 2025

ENGINEER

HALFF  
902 NORTH SINCLAIR AVE.  
TAVARES, FLORIDA 32778  
CONTACT: BRETT J. TOBIAS  
EMAIL: BTOBIAS@HALFF.COM  
TEL: (352) 343-8481  
FIRM/ BUSINESS NO.: FLA CA 33380 &  
FL LC 26000645 STATE: FL

SURVEYOR

DEWBERRY  
131 WEST KALEY STREET  
ORLANDO, FL 32806  
CONTACT: WILLIAM P. HINKLE, P.S.M.  
EMAIL: whinkle@dewberry.com  
TEL: 321-354-9826

GEOTECH ENGINEER

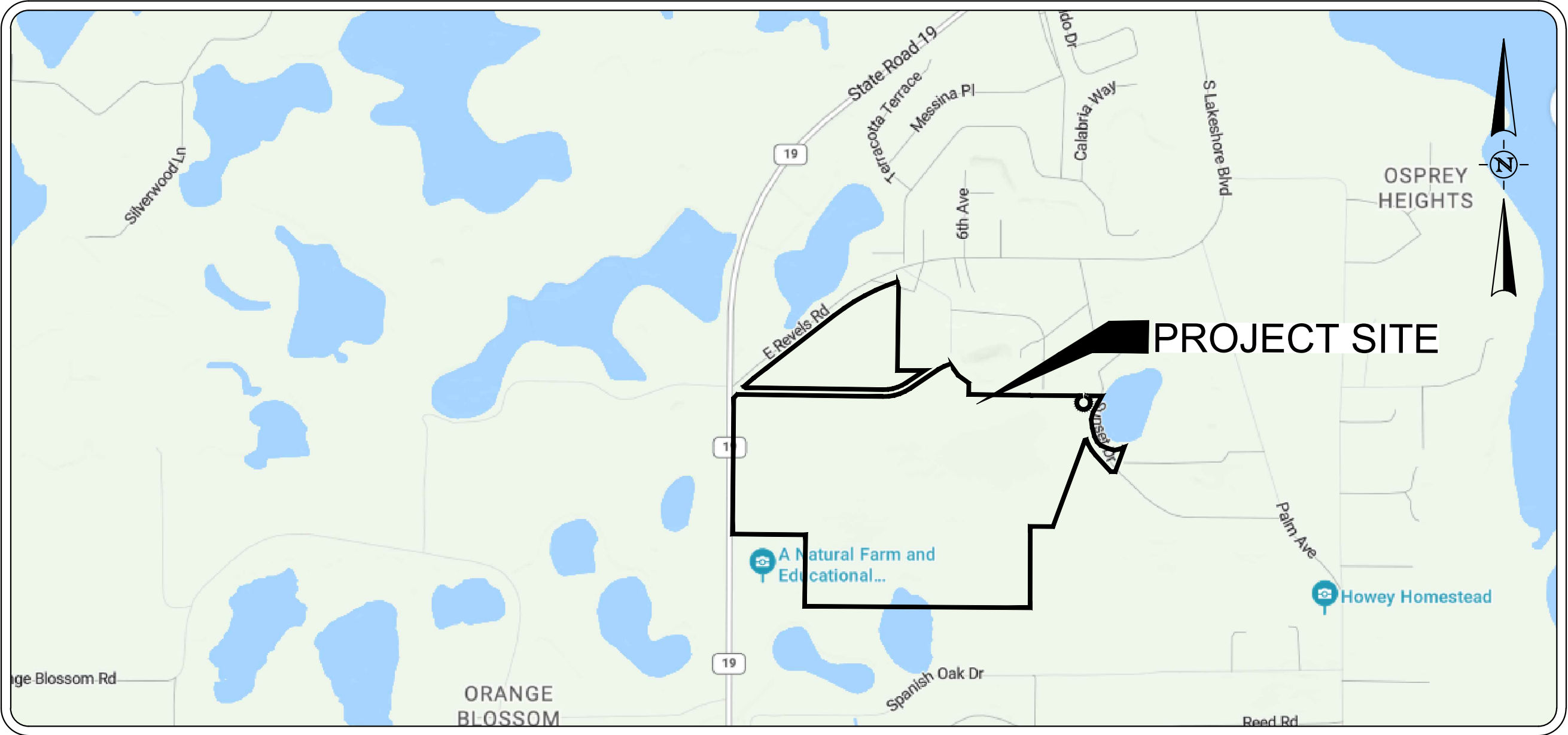
ANDREYEV ENGINEERING, INC.  
4055 ST. JOHN'S PARKWAY  
SANFORD, FL 32771  
CONTACT: FRANK MOSCHETTE, E.I.  
EMAIL: fmoschette@andreyevengineering.com  
TEL: 407-330-7763

OWNER/CLIENT

REVELS ROAD INVESTORS, LLC  
210 HANGAR ROAD  
KISSIMMEE, FL 34741  
CONTACT: CRAIG HARRIS, MANAGER  
EMAIL: CHARRIS@JTDLAND.COM  
TEL: 407-590-0146

ENVIRONMENTAL

BIO-TECH CONSULTING  
3025 EAST SOUTH STREET  
ORLANDO, FL 32803  
CONTACT: STEPHEN BUTLER, V.P.  
EMAIL: steve@bio-techconsulting.com  
TEL: 877-894-5969



VICINITY MAP

1" = 1,000'

PREPARED BY:



902 NORTH SINCLAIR AVE.  
TAVARES, FL 34788  
TEL. 352-343-8481  
www.halff.com

SURVEYED DATE:

MARCH 31, 2025

BENCHMARK(S):

#1 DEWBERRY TRAV PT LB8011 (SET IRON ROD  
AND CAP)  
N: 158216.98'  
E: 406618.29'  
ELEVATION: 127.26'

#2 DEWBERRY TRAV PT LB8011 (SET IRON ROD  
AND CAP)  
N: 1585285.78'  
E: 407988.28'  
ELEVATION: 101.04'

NOTES

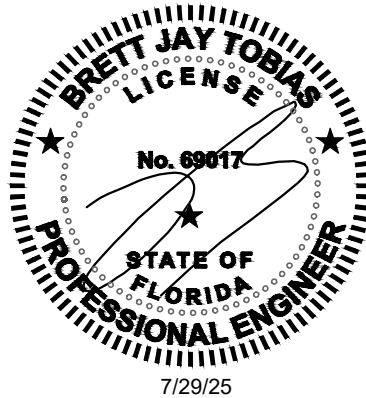
- INTENDED PLAN SIZE IS 24" x 36"
- VERTICAL DATUM IS NAVD 88

| SHEET LIST TABLE |                                                  |
|------------------|--------------------------------------------------|
| SHEET NUMBER     | SHEET TITLE                                      |
| C-100            | COVER SHEET                                      |
| C-101            | AERIAL PLAN                                      |
| C-102            | MASTER PLAN                                      |
| C-103            | EXISTING CONDITIONS<br>& EROSION CONTROL<br>PLAN |
| C-200 - C201     | PRELIMINARY PLAT                                 |
| C-300            | MASTER UTILITY<br>PLAN                           |
| C-400 - C-405    | MASTER GRADING &<br>DRAINAGE PLAN                |
| C-500 - C508     | PLAN & PROFILES                                  |
| C-600 - C601     | SIGNAGE & STRIPING<br>PLAN                       |
| C-700            | OFFSITE WM &<br>FM DESIGN                        |
| C-800 - C-801    | PAVING & DRAINAGE<br>DETAILS                     |
| C-900 - C-902    | WATER DETAILS                                    |
| C-1000 - C-1001  | SANITARY SEWER<br>DETAILS                        |
| C-1100 - C-1102  | LIFT STATION<br>PLANS                            |

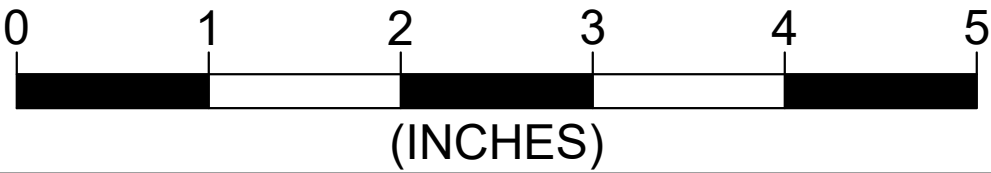


Know what's below.  
Call before you dig.

THE INFORMATION SHOWN ON THESE DRAWINGS INDICATING SIZE, TYPE AND LOCATION OF UNDERGROUND, SURFACE, AND AERIAL UTILITIES IS NOT GUARANTEED TO BE EXACT OR COMPLETE. THE CONTRACTOR SHALL CONTACT THE "SUNSHINE 811" SYSTEM AT 1-800-432-4770 48 HOURS PRIOR TO BEGINNING ANY EXCAVATION FOR EXISTING UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO BE FULLY RESPONSIBLE FOR FIELD VERIFYING LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES AFFECTED BY CONSTRUCTION FOR THIS PROJECT IN ORDER TO AVOID DAMAGING THOSE UTILITIES, AND SHALL IMMEDIATELY ARRANGE FOR REPAIR AND RESTORATION OF CONTRACTOR-DAMAGED UTILITIES TO THE UTILITY COMPANY'S APPROVAL AT THE EXPENSE OF THE CONTRACTOR.

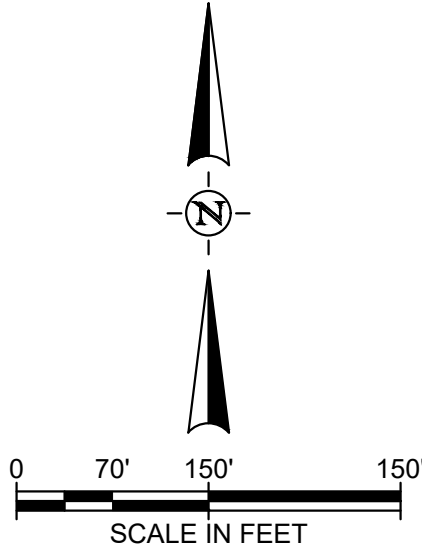
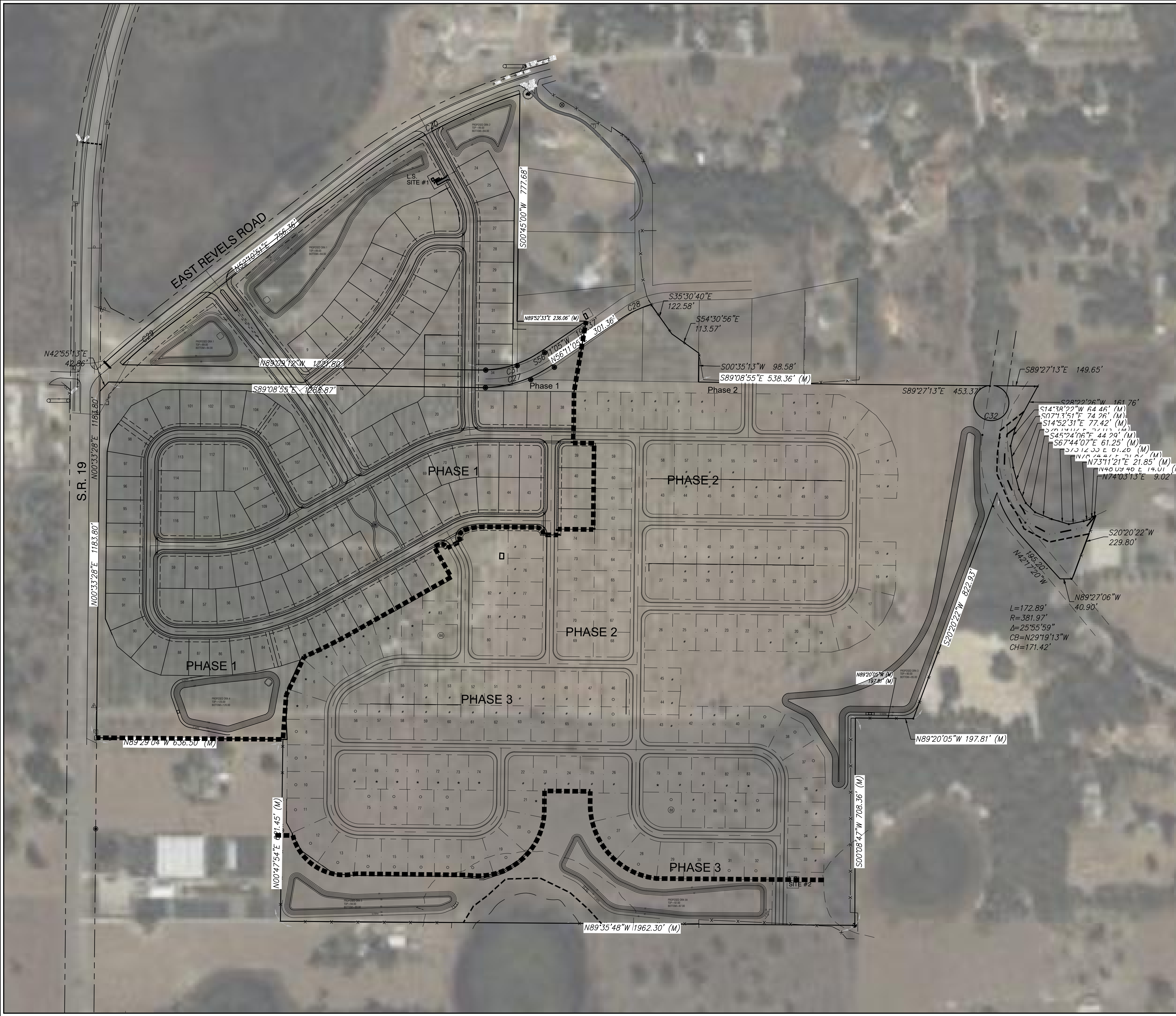


ORIGINAL DOCUMENT SIZE 24"x36"



C-100



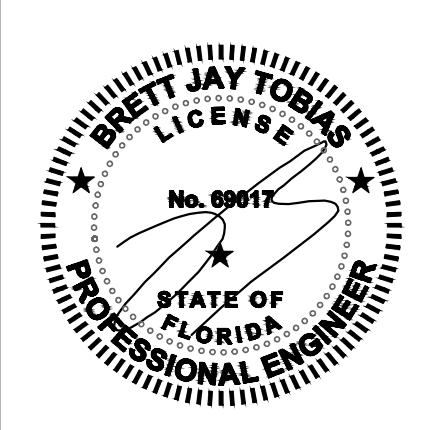


WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hangar Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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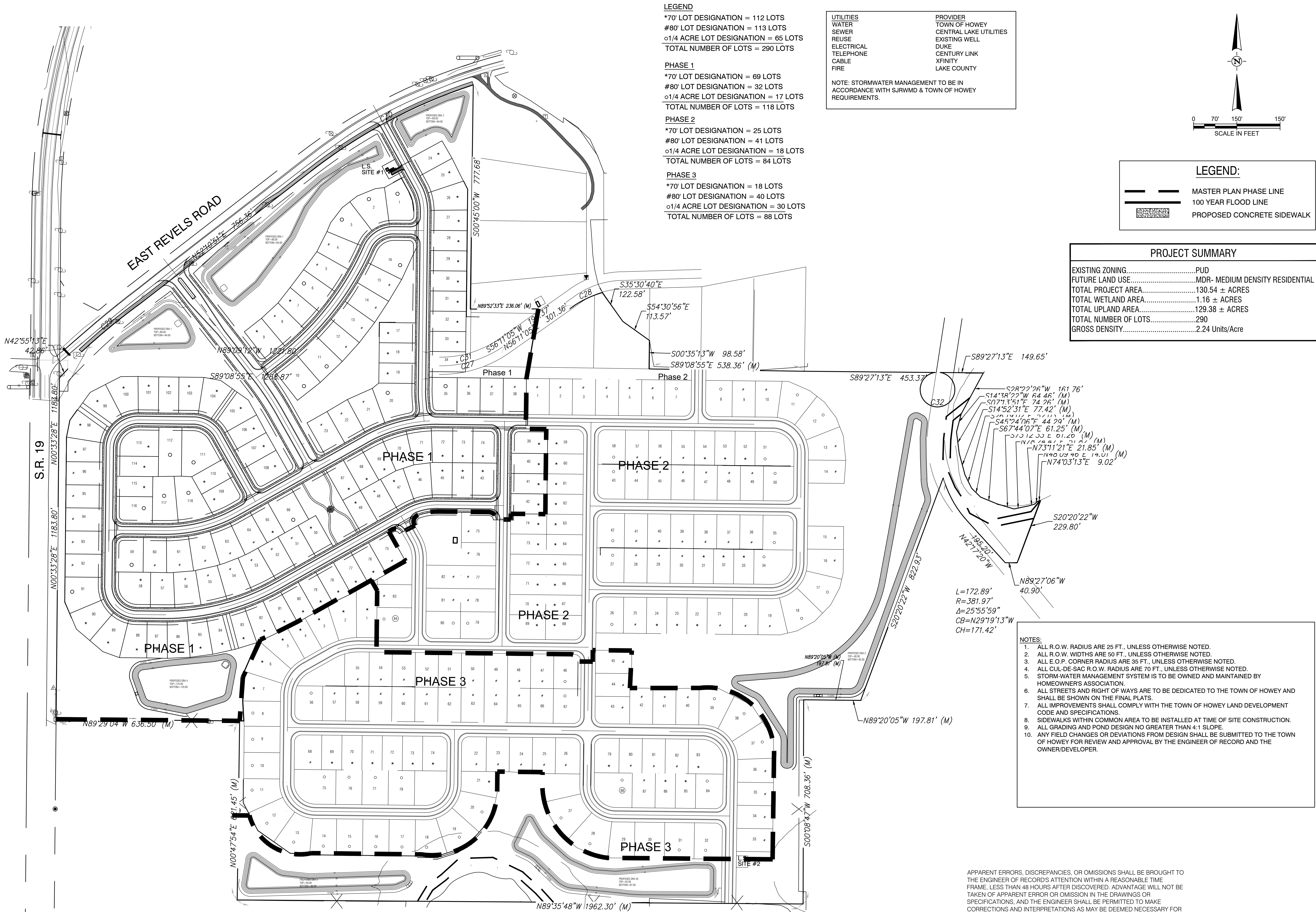


THE SEAL ORIGINALLY APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:  
BRETT J. TOBIAS 69017  
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7/28/25  
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HALFF ASSOCIATES, INC.  
HALFF ASSOCIATES, INC. FL  
FIRM OR BUSINESS NO. STATE

PROJECT NO.: 045548.003  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 150'  
SHEET TITLE:

AERIAL PLAN





**WATERMARK PH.1 & MASTER GRADING PLANS**  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

**REVELS ROAD INVESTORS, LLC**  
210 Hanger Rd.  
Kissimmee, FL 34741

**half**  
80 NORTH SUGAR LAKE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

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**BRETT J. TOBIAS**  
No. 69017  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

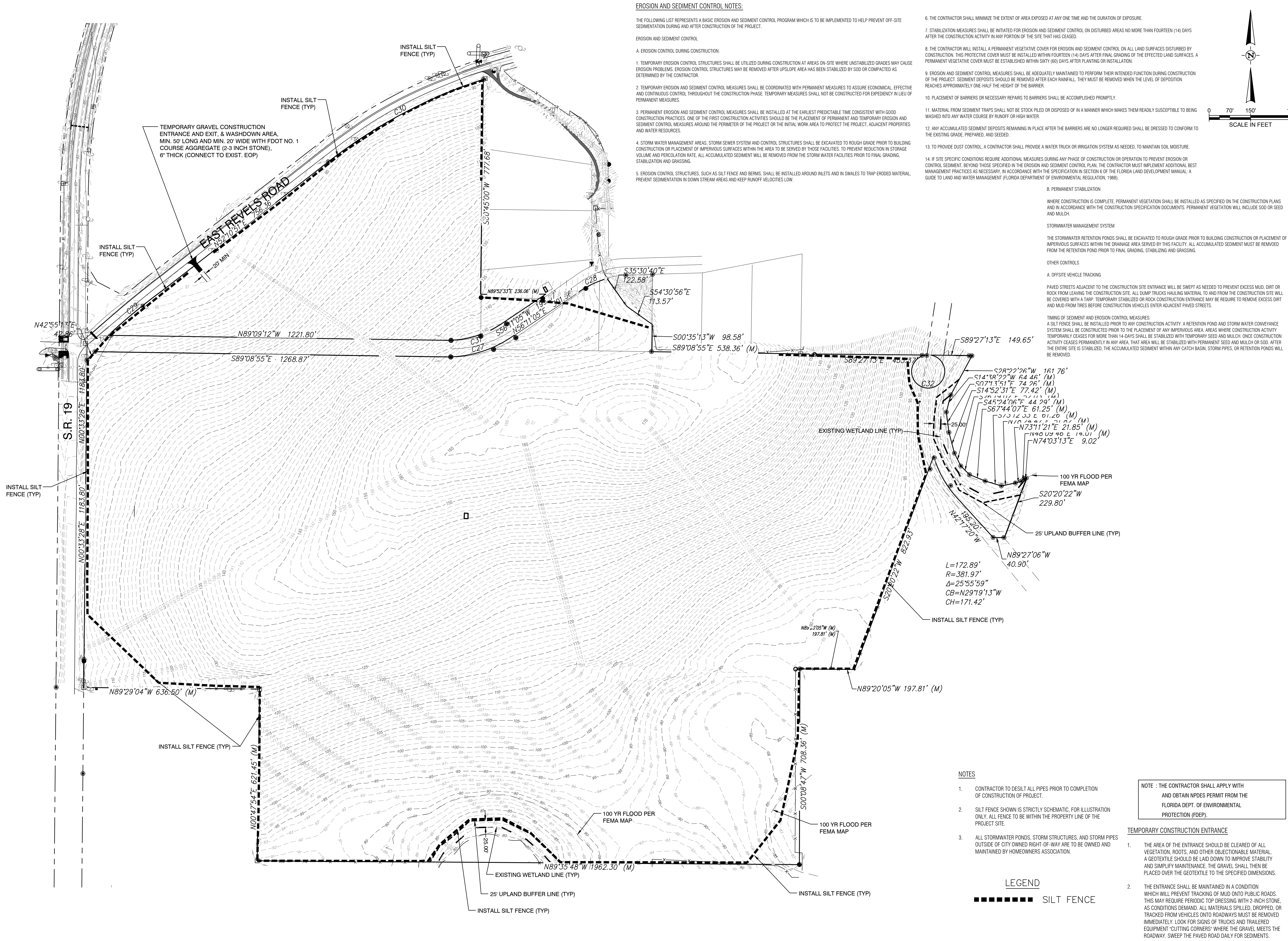
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PROJECT NO.: 045548  
ISSUED: JULY 2025  
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CHECKED BY: BJT  
SCALE: 1" = 150'  
SHEET TITLE:

**MASTER PLAN**

**C-102**





EROSION AND SEDIMENT CONTROL NOTES:

- THE FOLLOWING LIST REPRESENTS A BASIC EROSION AND SEDIMENT CONTROL PROGRAM WHICH IS TO BE IMPLEMENTED TO HELP PREVENT OFF-SITE SEDIMENTATION DURING AND AFTER CONSTRUCTION OF THE PROJECT.
- EROSION AND SEDIMENT CONTROL
- A. EROSION CONTROL DURING CONSTRUCTION.
1. TEMPORARY EROSION CONTROL STRUCTURES SHALL BE UTILIZED DURING CONSTRUCTION AT AREAS ON-SITE WHERE UNSTABILIZED GRADES MAY CAUSE EROSION PROBLEMS. EROSION CONTROL STRUCTURES MAY BE REMOVED AFTER UPSLOPE AREA HAS BEEN STABILIZED BY SOD OR COMPACTED AS DETERMINED BY THE CONTRACTOR.
  2. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS CONTROL THROUGHOUT THE CONSTRUCTION PHASE. TEMPORARY MEASURES SHALL NOT BE CONSTRUCTED FOR EXPEDIENCY IN LIEU OF PERMANENT MEASURES.
  3. PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AT THE EARLIEST PREDICTABLE TIME CONSISTENT WITH GOOD CONSTRUCTION PRACTICES. ONE OF THE FIRST CONSTRUCTION ACTIVITIES SHOULD BE THE PLACEMENT OF PERMANENT AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AROUND THE PERIMETER OF THE PROJECT OR THE INITIAL WORK AREA TO PROTECT THE PROJECT, ADJACENT PROPERTIES AND WATER RESOURCES.
  4. STORM WATER MANAGEMENT AREAS, STORM SEWER SYSTEM AND CONTROL STRUCTURES SHALL BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACES WITHIN THE AREA TO BE SERVED BY THOSE FACILITIES. TO PREVENT REDUCTION IN STORAGE VOLUME AND PERCOLATION RATE, ALL ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE STORM WATER FACILITIES PRIOR TO FINAL GRADING, STABILIZATION AND GRASSING.
  5. EROSION CONTROL STRUCTURES, SUCH AS SILT FENCE AND BERMS, SHALL BE INSTALLED AROUND INLETS AND IN SWALES TO TRAP ERODED MATERIAL, PREVENT SEDIMENTATION IN DOWN STREAM AREAS AND KEEP RUNOFF VELOCITIES LOW.

6. THE CONTRACTOR SHALL MINIMIZE THE EXTENT OF AREA EXPOSED AT ANY ONE TIME AND THE DURATION OF EXPOSURE.
7. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS NO MORE THAN FOURTEEN (14) DAYS AFTER THE CONSTRUCTION ACTIVITY IN ANY PORTION OF THE SITE THAT HAS CEASED.
8. THE CONTRACTOR WILL INSTALL A PERMANENT VEGETATIVE COVER FOR EROSION AND SEDIMENT CONTROL ON ALL LAND SURFACES DISTURBED BY CONSTRUCTION. THIS PROTECTIVE COVER MUST BE INSTALLED WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADING OF THE EFFECTED LAND SURFACES. A PERMANENT VEGETATIVE COVER MUST BE ESTABLISHED WITHIN SIXTY (60) DAYS AFTER PLANTING OR INSTALLATION.
9. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE ADEQUATELY MAINTAINED TO PERFORM THEIR INTENDED FUNCTION DURING CONSTRUCTION OF THE PROJECT. SEDIMENT DEPOSITS MUST BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
10. PLACEMENT OF BARRIERS OR NECESSARY REPAIRS TO BARRIERS SHALL BE ACCOMPLISHED PROMPTLY.
11. MATERIAL FROM SEDIMENT TRAPS SHALL NOT BE STOCK PILED OR DISPOSED OF IN A MANNER WHICH MAKES THEM READILY SUSCEPTIBLE TO BEING WASHED INTO ANY WATER COURSE BY RUNOFF OR HIGH WATER.
12. ANY ACCUMULATED SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE BARRIERS ARE NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED, AND SEED.
13. TO PROVIDE DUST CONTROL, A CONTRACTOR SHALL PROVIDE A WATER TRUCK OR IRRIGATION SYSTEM AS NEEDED, TO MAINTAIN SOIL MOISTURE.

B. PERMANENT STABILIZATION

WHERE CONSTRUCTION IS COMPLETE, PERMANENT VEGETATION SHALL BE INSTALLED AS SPECIFIED ON THE CONSTRUCTION PLANS AND IN ACCORDANCE WITH THE CONSTRUCTION SPECIFICATION DOCUMENTS. PERMANENT VEGETATION WILL INCLUDE SOD OR SEED AND MULCH.

STORMWATER MANAGEMENT SYSTEM

THE STORMWATER RETENTION PONDS SHALL BE EXCAVATED TO ROUGH GRADE PRIOR TO BUILDING CONSTRUCTION OR PLACEMENT OF IMPERVIOUS SURFACES WITHIN THE DRAINAGE AREA SERVED BY THIS FACILITY. ALL ACCUMULATED SEDIMENT MUST BE REMOVED FROM THE RETENTION POND PRIOR TO FINAL GRADING, STABILIZING AND GRASSING.

OTHER CONTROLS

A. OFFSITE VEHICLE TRACKING

PAVED STREETS ADJACENT TO THE CONSTRUCTION SITE ENTRANCE WILL BE SWEEP AS NEEDED TO PREVENT EXCESS MUD, DIRT OR ROCK FROM LEAVING THE CONSTRUCTION SITE. ALL DUMP TRUCKS HAULING MATERIAL TO AND FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP. TEMPORARY STABILIZED OR ROCK CONSTRUCTION ENTRANCE MAY BE REQUIRED TO REMOVE EXCESS DIRT AND MUD FROM TIRES BEFORE CONSTRUCTION VEHICLES ENTER ADJACENT PAVED STREETS.

TIMING OF SEDIMENT AND EROSION CONTROL MEASURES:

A SILT FENCE SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY. A RETENTION POND AND STORM WATER CONVEYANCE SYSTEM SHALL BE CONSTRUCTED PRIOR TO THE PLACEMENT OF ANY IMPERVIOUS AREA. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 14-DAYS SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN ANY AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT SEED AND MULCH OR SOD. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WITHIN ANY CATCH BASIN, STORM PIPES, OR RETENTION PONDS WILL BE REMOVED.

NOTES

1. CONTRACTOR TO DESILT ALL PIPES PRIOR TO COMPLETION OF CONSTRUCTION OF PROJECT.
2. SILT FENCE SHOWN IS STRICTLY SCHEMATIC, FOR ILLUSTRATION ONLY, ALL FENCE TO BE WITHIN THE PROPERTY LINE OF THE PROJECT SITE.
3. ALL STORMWATER PONDS, STORM STRUCTURES, AND STORM PIPES OUTSIDE OF CITY OWNED RIGHT-OF-WAY ARE TO BE OWNED AND MAINTAINED BY HOMEOWNERS ASSOCIATION.

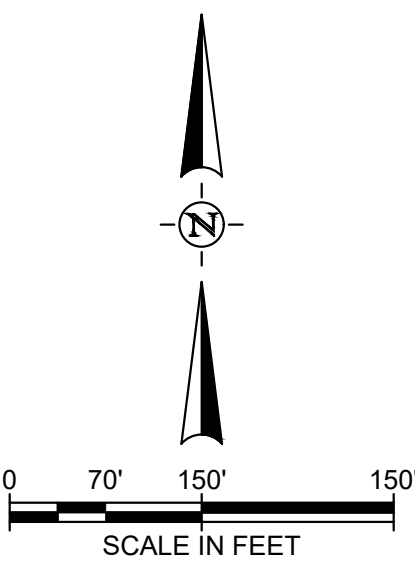
LEGEND

■■■■■■■■ SILT FENCE

NOTE : THE CONTRACTOR SHALL APPLY WITH AND OBTAIN NPDES PERMIT FROM THE FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION (FDEP).

TEMPORARY CONSTRUCTION ENTRANCE

1. THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS, AND OTHER OBJECTIONABLE MATERIAL. A GEOTEXTILE SHOULD BE LAID DOWN TO IMPROVE STABILITY AND SIMPLY MAINTENANCE. THE GRAVEL SHALL THEN BE PLACED OVER THE GEOTEXTILE TO THE SPECIFIED DIMENSIONS.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF MUD ONTO PUBLIC ROADS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, OR TRACKED FROM VEHICLES ONTO ROADWAYS MUST BE REMOVED IMMEDIATELY. LOOK FOR SIGNS OF TRUCKS AND TRAILERED EQUIPMENT "CUTTING CORNERS" WHERE THE GRAVEL MEETS THE ROADWAY. SWEEP THE PAVED ROAD DAILY FOR SEDIMENTS.

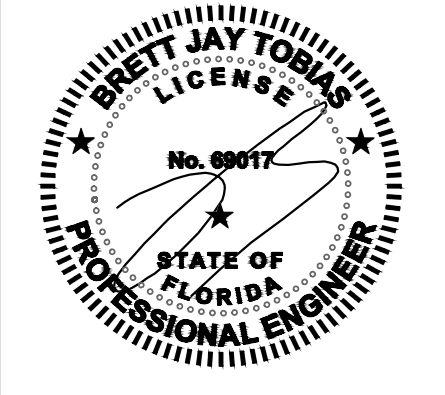


WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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BRETT J. TOBIAS 69017  
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DATE

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HALFF ASSOCIATES, INC. FL  
STATE

PROJECT NO.: 045548

ISSUED: JULY 2025

DRAWN BY: SPH

CHECKED BY: BJT

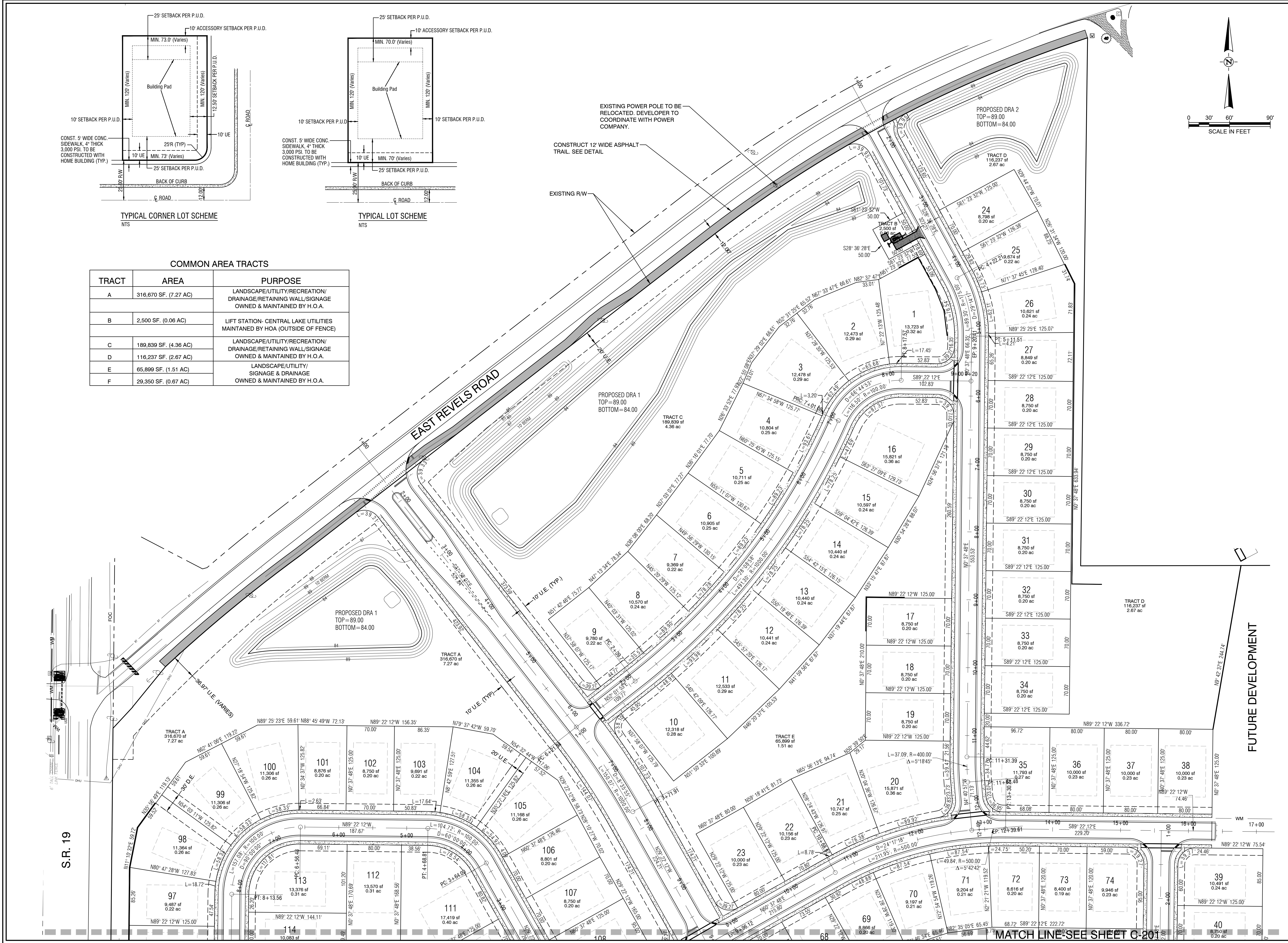
SCALE: 1" = 150'

SHEET TITLE:

EX. CONDITIONS & EROSION CONTROL PLAN



FILE NAME: A:\45000\45545003\LD\CADD\C-101 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:54 AM, USER: ah5122



S.R. 19

FUTURE DEVELOPMENT

MATCH LINE SEE SHEET C-201

| COMMON AREA TRACTS |                       |                                                                                                  |
|--------------------|-----------------------|--------------------------------------------------------------------------------------------------|
| TRACT              | AREA                  | PURPOSE                                                                                          |
| A                  | 316,670 SF. (7.27 AC) | LANDSCAPE/UTILITY/RECREATION/<br>DRAINAGE/RETAINING WALL/SIGNAGE<br>OWNED & MAINTAINED BY H.O.A. |
| B                  | 2,500 SF. (0.06 AC)   |                                                                                                  |
| C                  | 189,839 SF. (4.36 AC) | LANDSCAPE/UTILITY/RECREATION/<br>DRAINAGE/RETAINING WALL/SIGNAGE<br>OWNED & MAINTAINED BY H.O.A. |
| D                  | 116,237 SF. (2.67 AC) |                                                                                                  |
| E                  | 65,899 SF. (1.51 AC)  | LANDSCAPE/UTILITY/<br>SIGNAGE & DRAINAGE<br>OWNED & MAINTAINED BY H.O.A.                         |
| F                  | 29,350 SF. (0.67 AC)  |                                                                                                  |

TYPICAL CORNER LOT SCHEME  
NTS

TYPICAL LOT SCHEME  
NTS

WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWE IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741

805 NORTH SUGAR LAKE AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

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PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 60'  
SHEET TITLE:  
PRELIMINARY  
PLAT

C-200



**TYPICAL CORNER LOT SCHEME**

NTS

25' SETBACK PER P.U.D.

10' ACCESSORY SETBACK PER P.U.D.

MIN. 73.0' (Varies)

MIN. 120' (Varies)

Building Pad

25R (TYP)

10' U.E.

12.50' SETBACK PER P.U.D.

10' SETBACK PER P.U.D.

CONST. 5' WIDE CONC. SIDEWALK, 4" THICK 3,000 PSI. TO BE CONSTRUCTED WITH HOME BUILDING (TYP.)

25' SETBACK PER P.U.D.

MIN. 73' (Varies)

10' U.E.

25' SETBACK PER P.U.D.

BACK OF CURB

12.00'

10' SETBACK PER P.U.D.

25' SETBACK PER P.U.D.

10' ACCESSORY SETBACK PER P.U.D.

MIN. 70.0' (Varies)

MIN. 120' (Varies)

Building Pad

10' SETBACK PER P.U.D.

CONST. 5' WIDE CONC. SIDEWALK, 4" THICK 3,000 PSI. TO BE CONSTRUCTED WITH HOME BUILDING (TYP.)

25' SETBACK PER P.U.D.

MIN. 70' (Varies)

10' U.E.

25' SETBACK PER P.U.D.

BACK OF CURB

12.00'

10' SETBACK PER P.U.D.

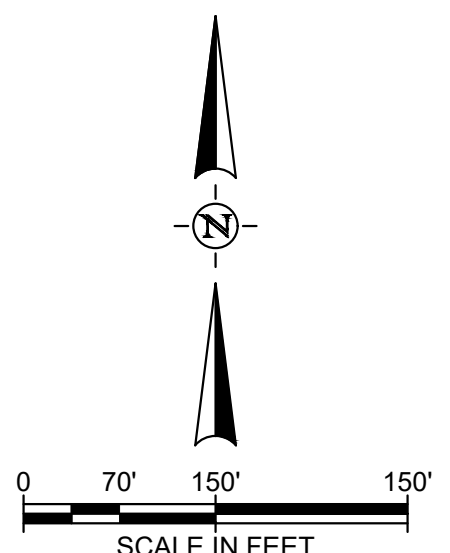
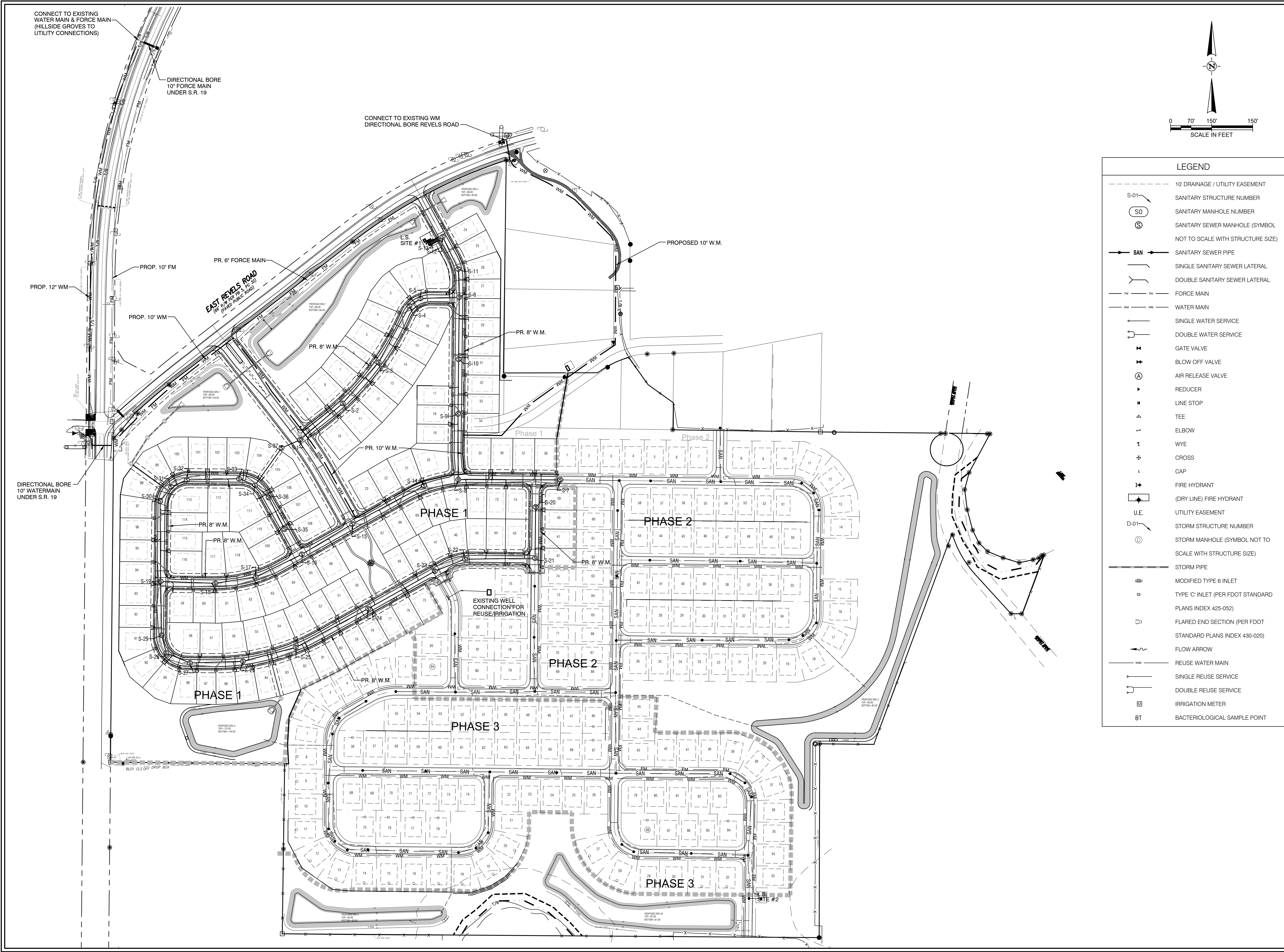
25' SETBACK PER P.U.D.



C-201



FILE NAME: A:\45000\45548\03\LD\CADD\01 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:54 AM, USER: ah5122



| LEGEND  |                                                                  |
|---------|------------------------------------------------------------------|
| ---     | 10' DRAINAGE / UTILITY EASEMENT                                  |
| S-01    | SANITARY STRUCTURE NUMBER                                        |
| (S0)    | SANITARY MANHOLE NUMBER                                          |
| ⊙       | SANITARY SEWER MANHOLE (SYMBOL NOT TO SCALE WITH STRUCTURE SIZE) |
| → SAN → | SANITARY SEWER PIPE                                              |
| ---     | SINGLE SANITARY SEWER LATERAL                                    |
| ---     | DOUBLE SANITARY SEWER LATERAL                                    |
| ---     | FORCE MAIN                                                       |
| ---     | WATER MAIN                                                       |
| ---     | SINGLE WATER SERVICE                                             |
| ---     | DOUBLE WATER SERVICE                                             |
| ⋈       | GATE VALVE                                                       |
| ⋈       | BLOW OFF VALVE                                                   |
| ⊙       | AIR RELEASE VALVE                                                |
| ▶       | REDUCER                                                          |
| ⋈       | LINE STOP                                                        |
| ⋈       | TEE                                                              |
| ⋈       | ELBOW                                                            |
| ⋈       | WYE                                                              |
| ⋈       | CROSS                                                            |
| ⋈       | CAP                                                              |
| ⋈       | FIRE HYDRANT                                                     |
| ⋈       | (DRY LINE) FIRE HYDRANT                                          |
| U.E.    | UTILITY EASEMENT                                                 |
| D-01    | STORM STRUCTURE NUMBER                                           |
| ⊙       | STORM MANHOLE (SYMBOL NOT TO SCALE WITH STRUCTURE SIZE)          |
| ---     | STORM PIPE                                                       |
| ⋈       | MODIFIED TYPE 6 INLET                                            |
| ⋈       | TYPE 'C' INLET (PER FDOT STANDARD PLANS INDEX 425-052)           |
| ⋈       | FLARED END SECTION (PER FDOT STANDARD PLANS INDEX 430-020)       |
| →       | FLOW ARROW                                                       |
| ---     | REUSE WATER MAIN                                                 |
| ---     | SINGLE REUSE SERVICE                                             |
| ---     | DOUBLE REUSE SERVICE                                             |
| ⋈       | IRRIGATION METER                                                 |
| BT      | BACTERIOLOGICAL SAMPLE POINT                                     |

WATERMARK PH.1 & MASTER GRADING PLANS

TOWN OF HOWEY IN THE HILLS

LAKE COUNTY

REVELS ROAD INVESTORS, LLC

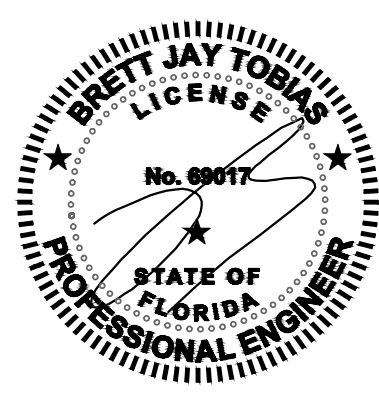
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STATE OF FLORIDA  
PROFESSIONAL ENGINEER

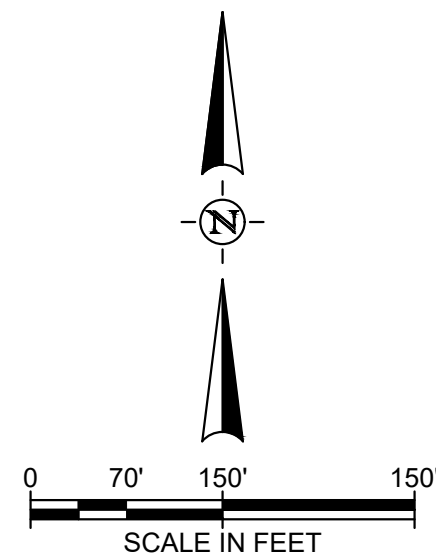
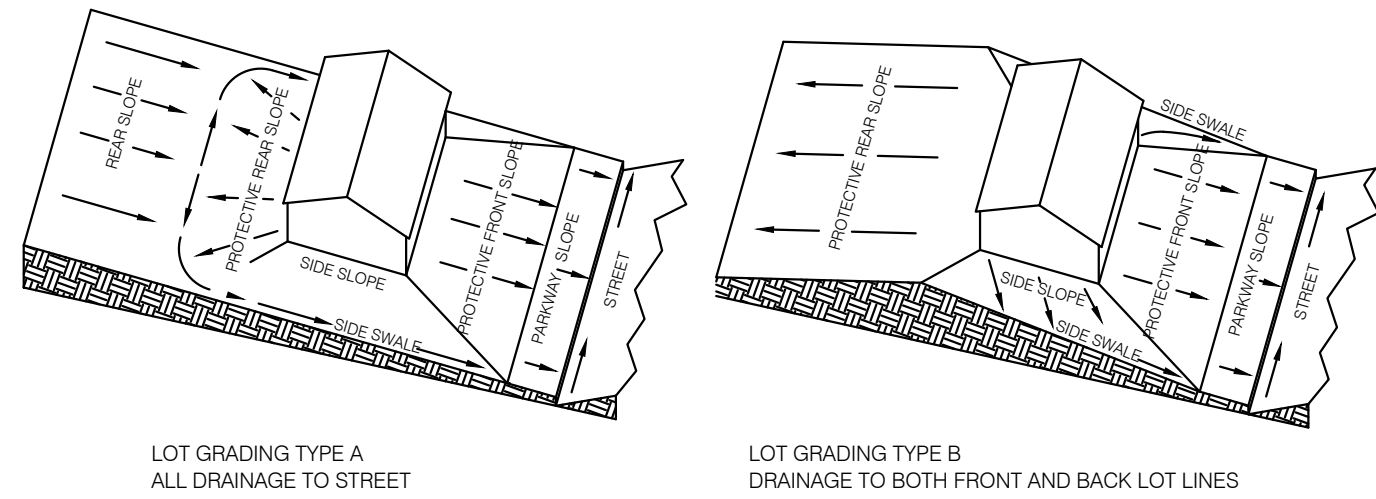
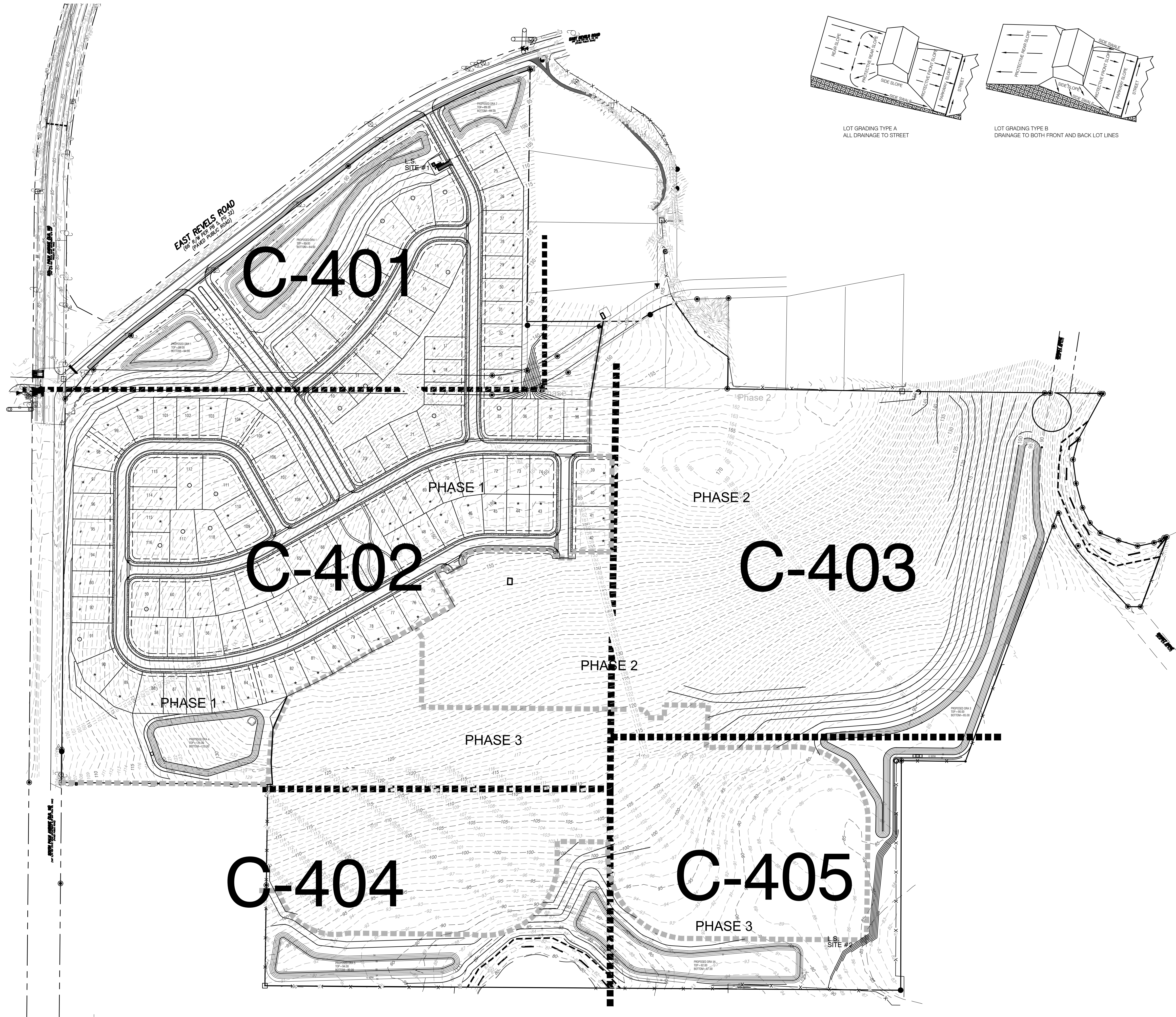
THE SEAL ORIGINALLY APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:

BRETT J. TOBIAS 69017  
NAME PE LICENSE NO.  
7/29/25  
DATE  
THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF:  
HALFF ASSOCIATES, INC.  
HALFF ASSOCIATES, INC. FL  
FIRM OR BUSINESS NO. STATE  
PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 150'  
SHEET TITLE:  
MASTER UTILITY PLAN

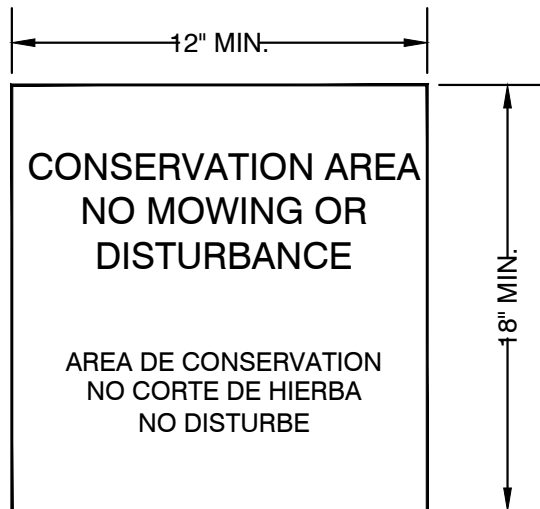
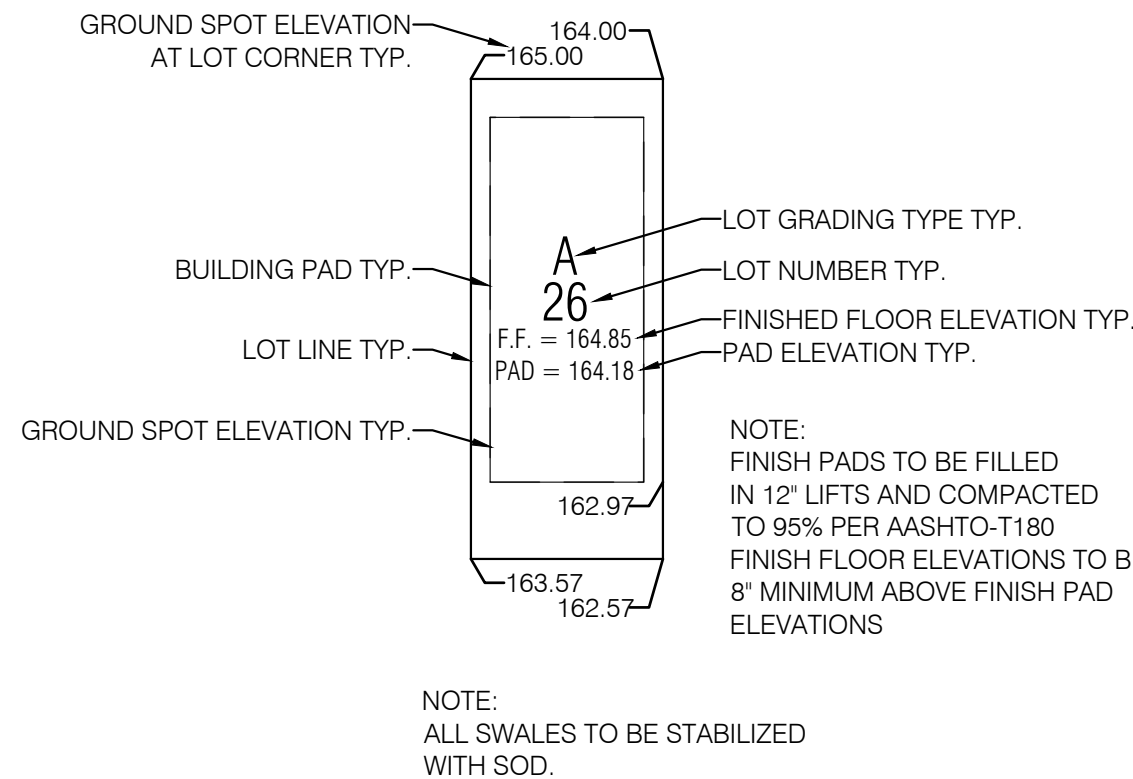
C-300



FILE NAME: A:\45000s\45549\03\LD\CADD\C-101 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:54 AM, USER: ah5122



| LEGEND        |                           |
|---------------|---------------------------|
|               | PROPOSED SPOT GRADE       |
|               | EXISTING CONTOUR          |
|               | PROPOSED CONTOUR          |
|               | RIGHT-OF-WAY LINE         |
|               | DRAINAGE/UTILITY EASEMENT |
| <b>A</b>      | LOT GRADING TYPE          |
| <b>32</b>     | LOT NUMBER                |
| F.F. = 170.70 | FINISHED FLOOR ELEVATION  |
| PAD = 170.03  | BUILDING PAD ELEVATION    |



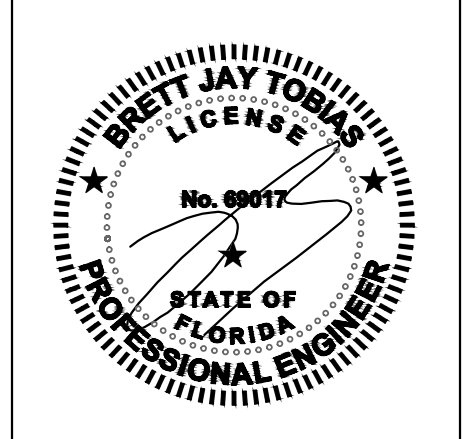
CONSERVATION AREA SIGN DETAIL  
●-DENOTES CONSERVATION SIGN LOCATION

WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741

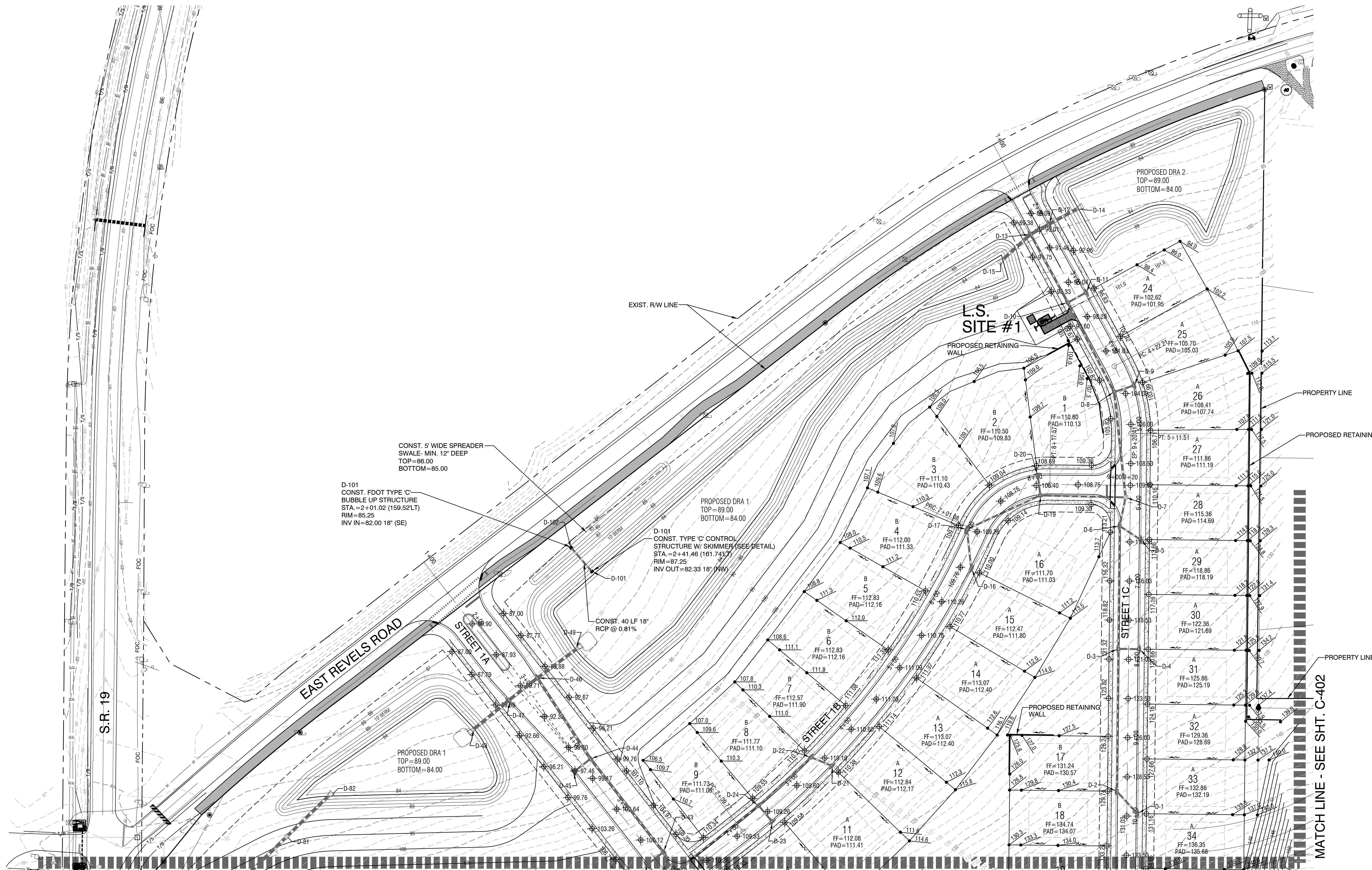


| REVISION NO. | DATE | DESCRIPTION |
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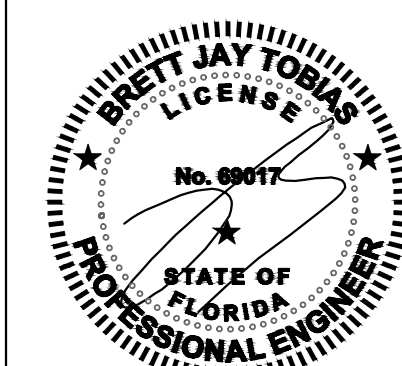


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| THE SEAL ORIGINALLY APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY: |                |
| BRETT J. TOBIAS                                                   | 69017          |
| NAME                                                              | PE LICENSE NO. |
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| HALFF ASSOCIATES, INC.                                            |                |
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| PROJECT NO.: 045548                                               |                |
| ISSUED: JULY 2025                                                 |                |
| DRAWN BY: SPH                                                     |                |
| CHECKED BY: BJT                                                   |                |
| SCALE: 1" = 150'                                                  |                |
| SHEET TITLE:                                                      |                |
| MASTER GRADING PLAN KEY MAP                                       |                |
| C-400                                                             |                |





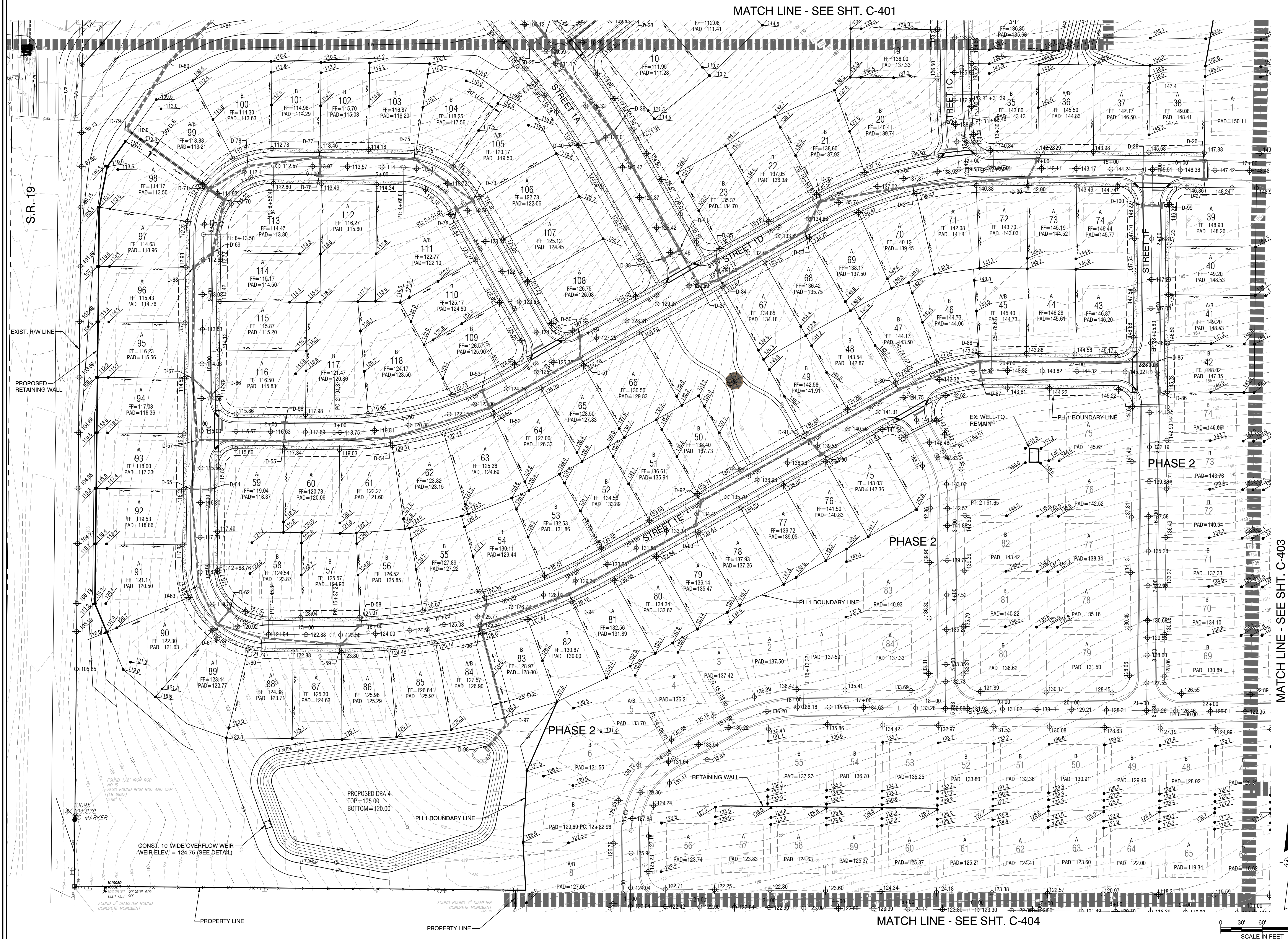
**REVELS ROAD INVESTORS, LLC**  
210 Hangar Rd.  
Kissimmee, FL 34741

[illegible]

C-401



FILE NAME: A:\450003\45548003\LD\CADD\01 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:55 AM, USER: ams122



WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741

80 NORTH SUGAR AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

| REVISION | DATE | DESCRIPTION |
|----------|------|-------------|
| NO.      |      |             |

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FIRM OR BUSINESS NO. STATE

PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 60'  
SHEET TITLE:

GRADING PLAN

C-402

WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741

80 NORTH SUGAR AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

| REVISION | DATE | DESCRIPTION |
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HALFF ASSOCIATES, INC. FL  
FIRM OR BUSINESS NO. STATE

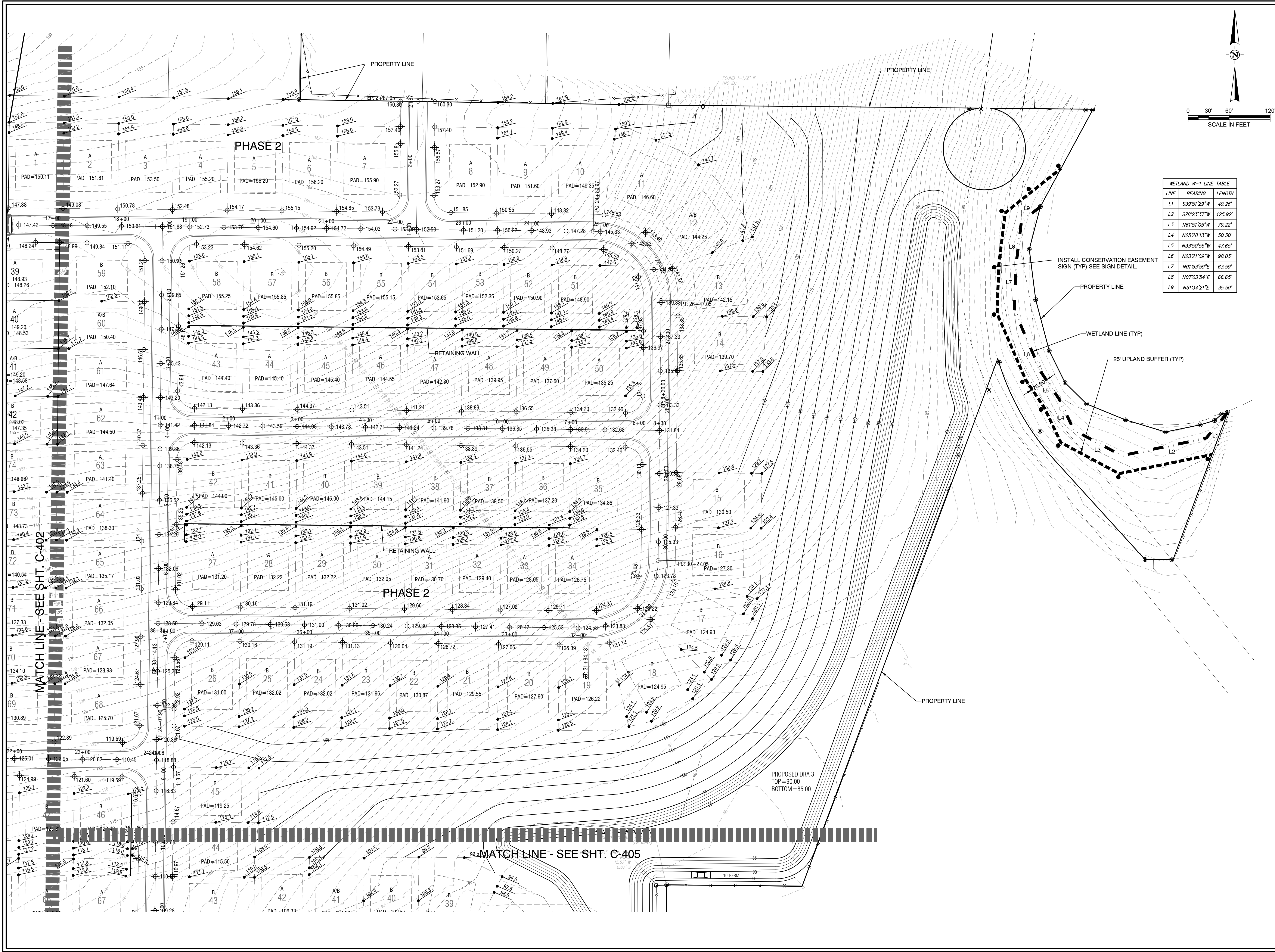
PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 60'  
SHEET TITLE:

GRADING PLAN

C-402



FILE NAME: A:\45000\45545003\LD\CADD\C-01 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:55 AM, USER: jms122



| LINE | BEARING      | LENGTH  |
|------|--------------|---------|
| L1   | S39°51'29\"W | 49.26'  |
| L2   | S78°23'37\"W | 125.92' |
| L3   | N61°51'05\"W | 79.22'  |
| L4   | N25°28'13\"W | 50.30'  |
| L5   | N33°50'55\"W | 47.65'  |
| L6   | N23°21'09\"W | 98.03'  |
| L7   | N01°53'59\"E | 63.59'  |
| L8   | N07°03'54\"E | 66.65'  |
| L9   | N51°34'21\"E | 35.50'  |

WATERMARK PH.1 & MASTER GRADING PLANS

TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

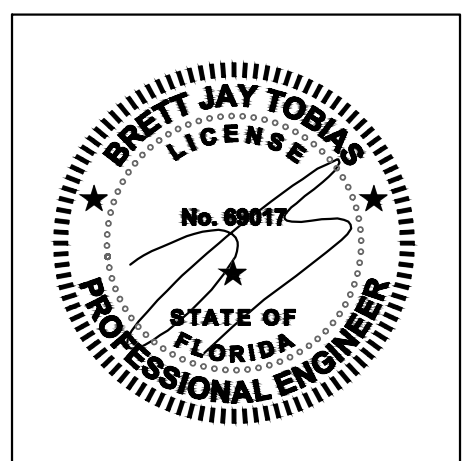
REVELS ROAD INVESTORS, LLC

210 Hanger Rd.  
Kissimmee, FL 34741

half

80 NORTH SUGAR AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

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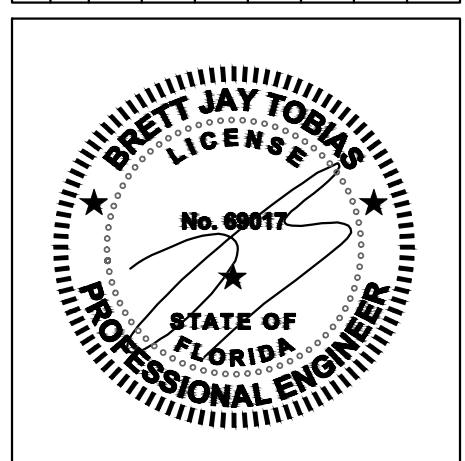
THE SEAL ORIGINALLY APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:  
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NAME: BRETT J. TOBIAS  
DATE: 7/29/25  
PE LICENSE NO.: 69017

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FIRM OR BUSINESS NO.:  
FL STATE:

PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 60'  
SHEET TITLE:  
GRADING PLAN

C-403

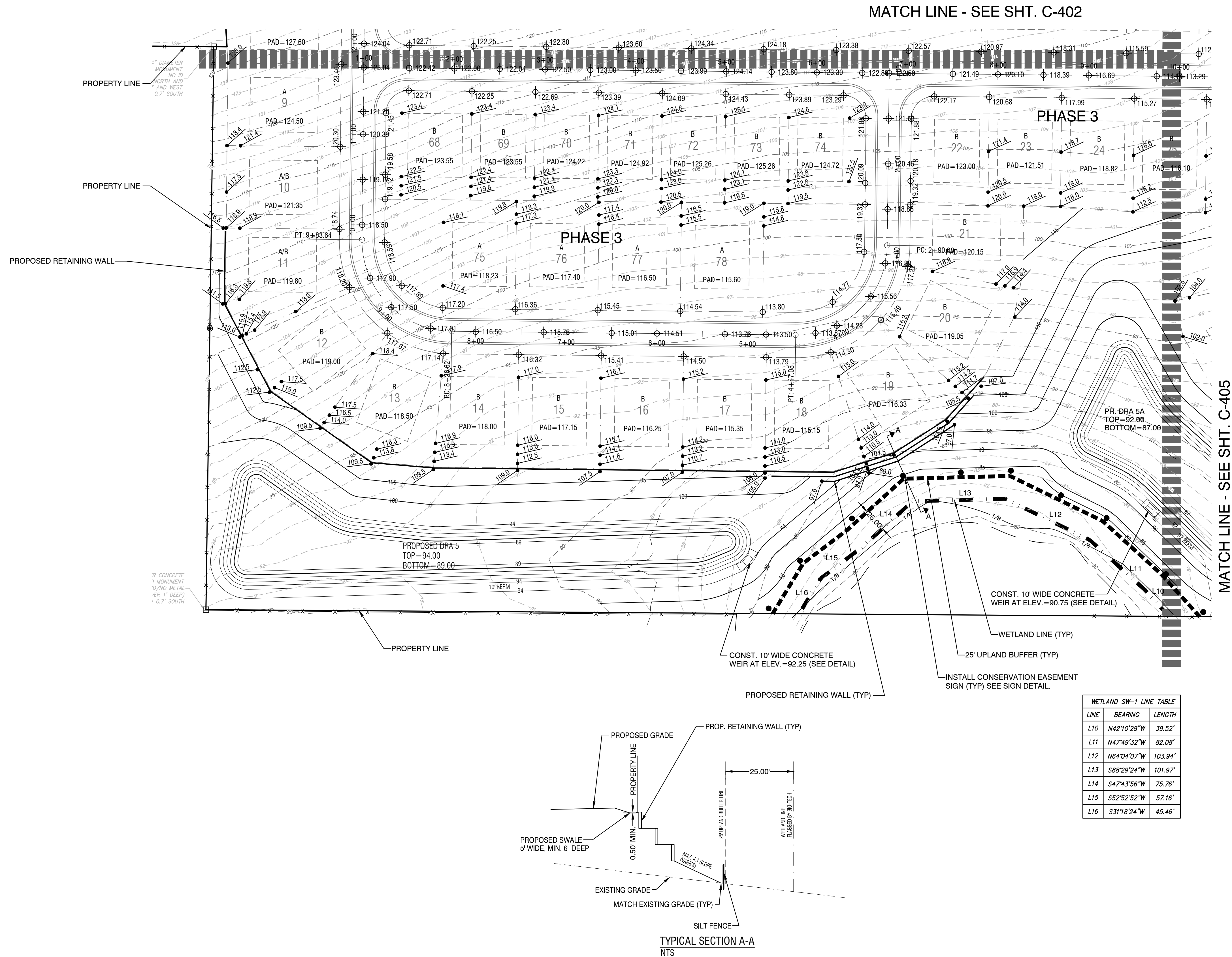




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| NAME                                                              | PE LICENSE NO. |
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| DATE                                                              |                |
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| PROJECT NO.: 045548 |
| ISSUED: JULY 2025   |
| DRAWN BY: SPH       |
| CHECKED BY: BJT     |
| SCALE: 1" = 60'     |
| SHEET TITLE:        |

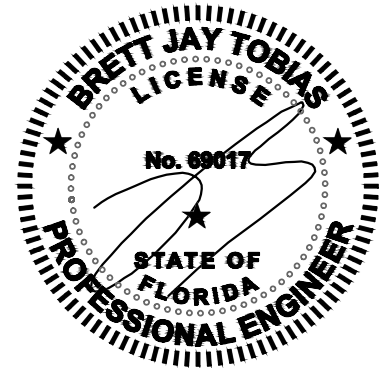
C-404







**REVELS ROAD INVESTORS, LLC**  
210 Hangar Rd.  
Kissimmee, FL 34741

[illegible]

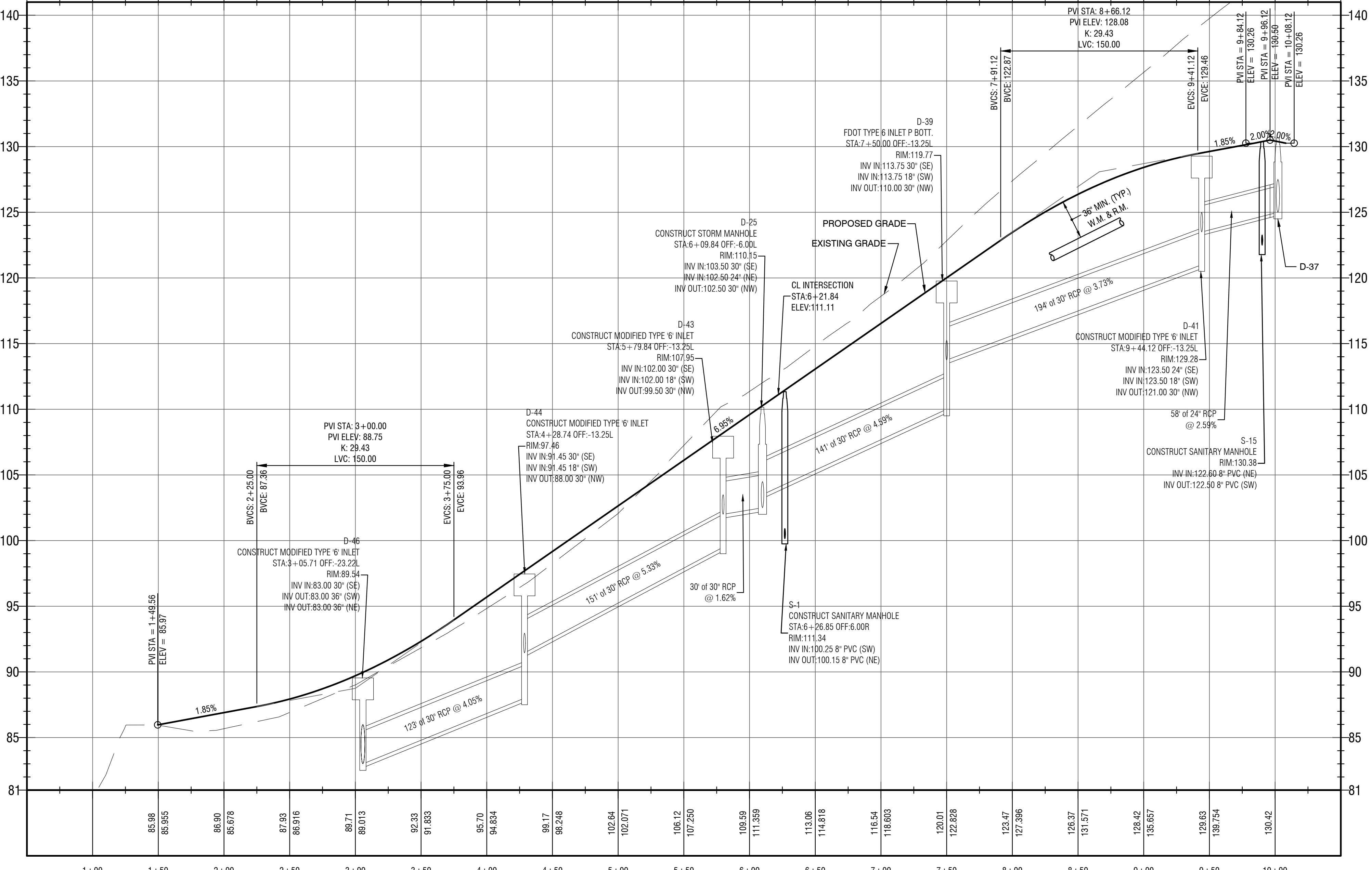
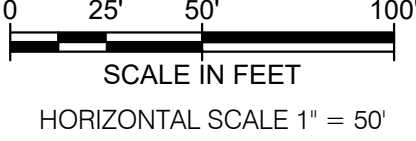
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| HALFF ASSOCIATES, INC. | FL    |
| FIRM OR BUSINESS NO.   | STATE |

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| PROJECT NO.: | 045548    |
| ISSUED:      | JULY 2025 |
| DRAWN BY:    | SPH       |
| CHECKED BY:  | BJT       |
| SCALE:       | 1" = 60'  |
| SHEET TITLE: |           |

## GRADING PLAN

C-405

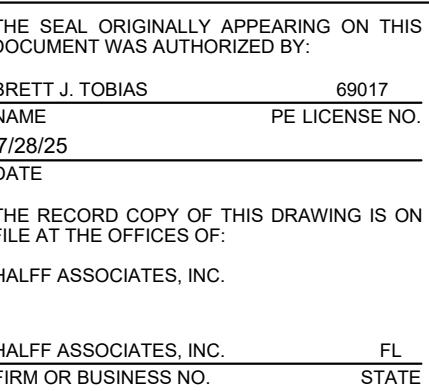




**WATERMARK PH.1 & MASTER GRADING PLANS**  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

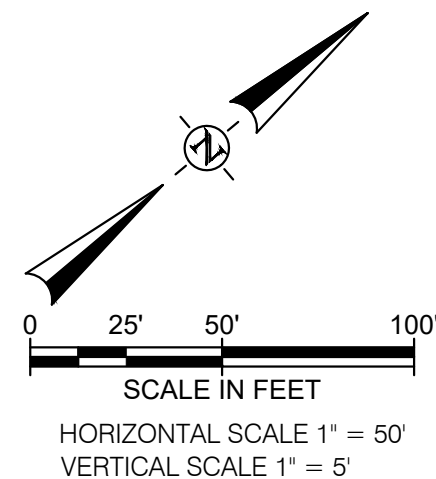
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**REVELS ROAD INVESTORS, LLC**  
210 Hangar Rd.  
Kissimmee, FL 34741

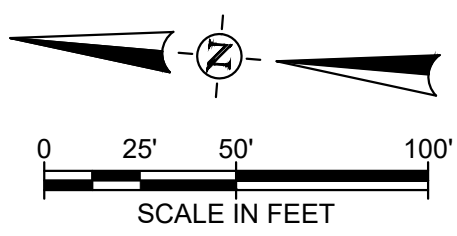
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C-500





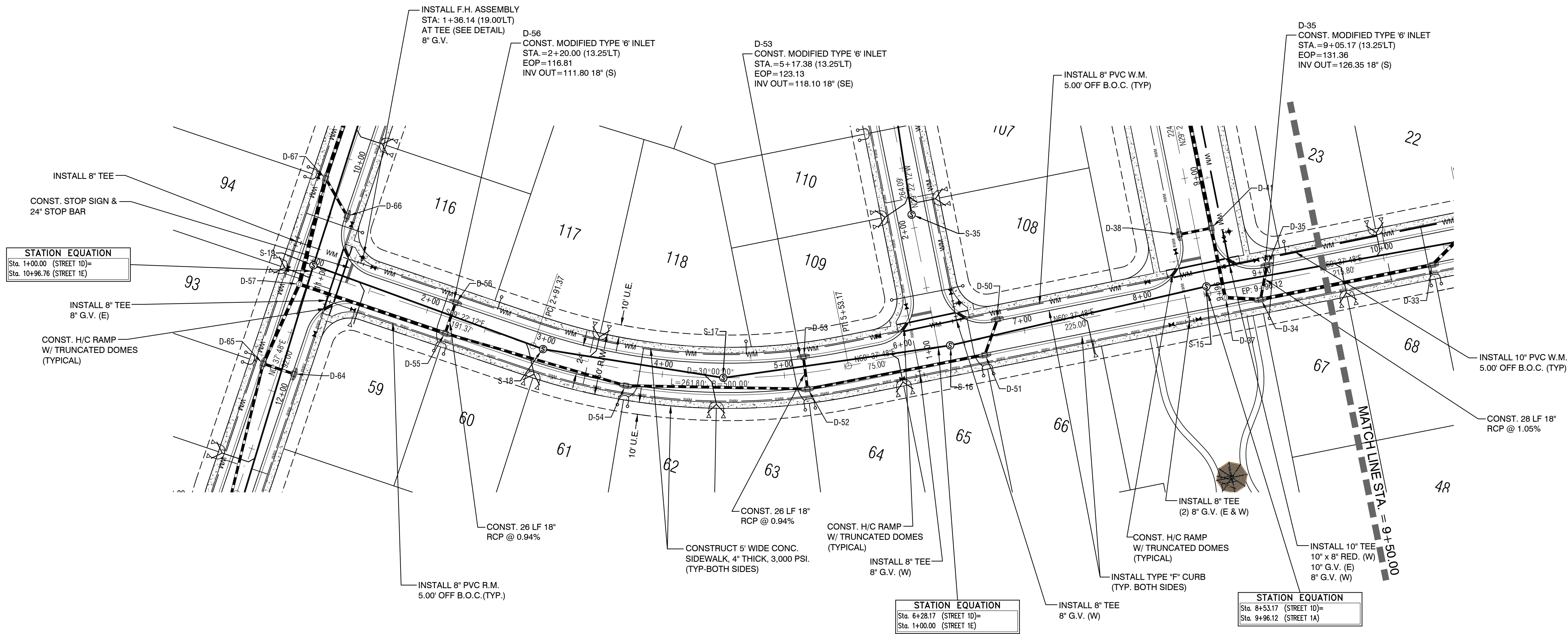




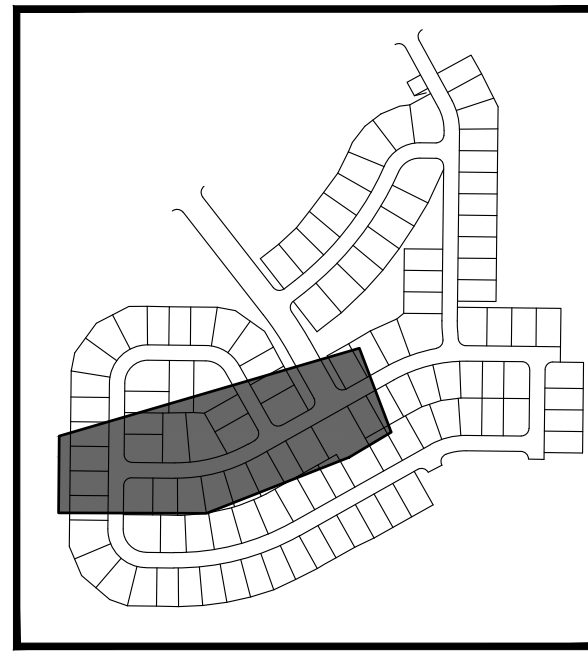
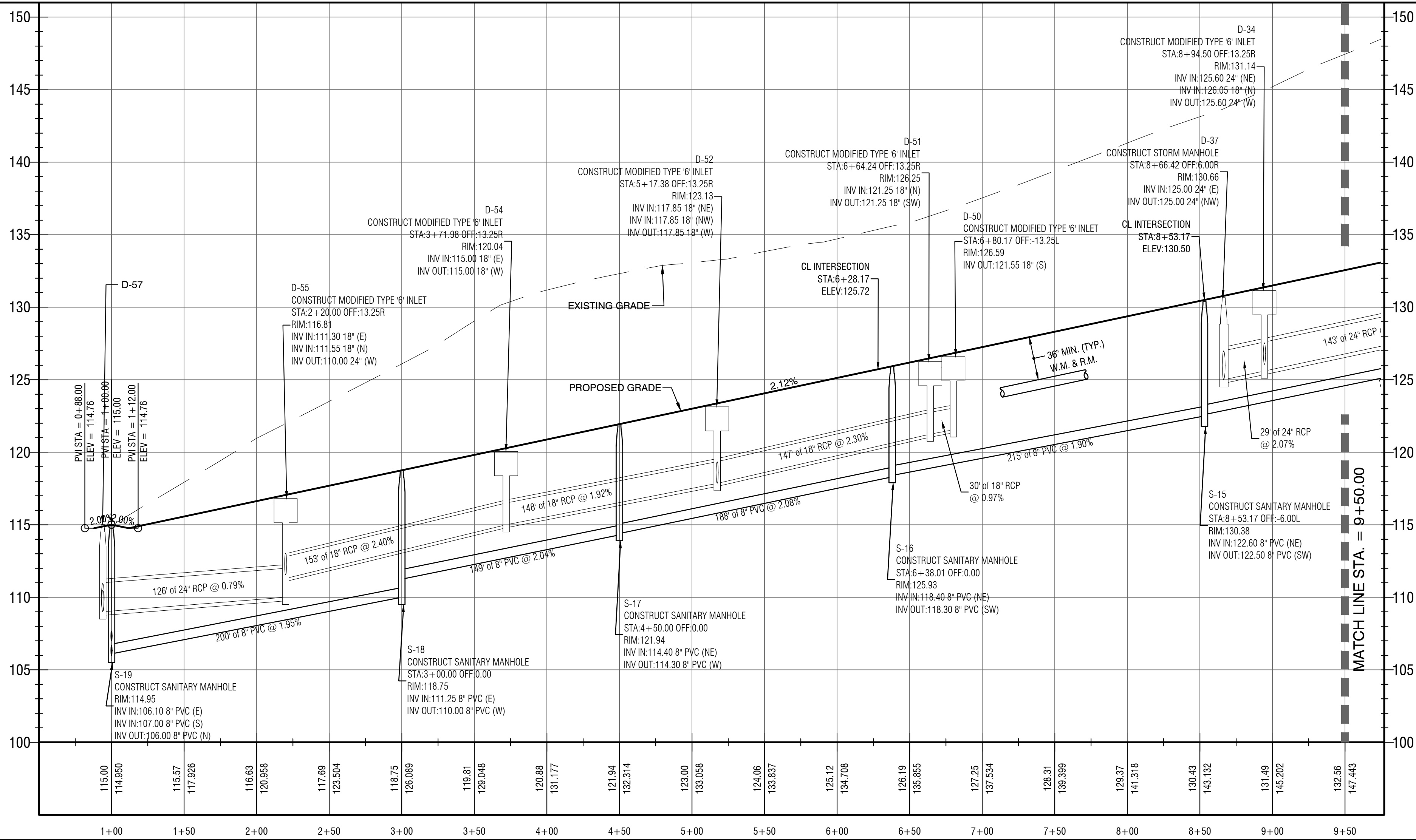
C-502



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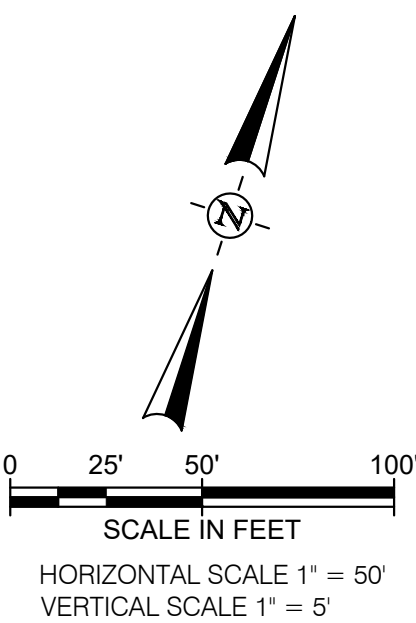
## STREET 1D



KEY MAP

### NOTES:

1. ALL RIGHT OF WAY INTERSECTION RADII SHALL BE 25.00' (TYP.)
2. ALL EDGE OF PAVEMENT INTERSECTION TURNOUT RADII TO BE 35.00' TYPICAL UNLESS OTHERWISE SHOWN.
3. THE REUSE MAIN WILL BE A MINIMUM OF 12" BELOW WATER MAIN AT ALL CROSSINGS.
4. WATER MAIN IS TO BE A MIN. OF 12" ABOVE OR BELOW STORM PIPE CROSSINGS.



## WATERMARK PH.1 & MASTER GRADING PLANS

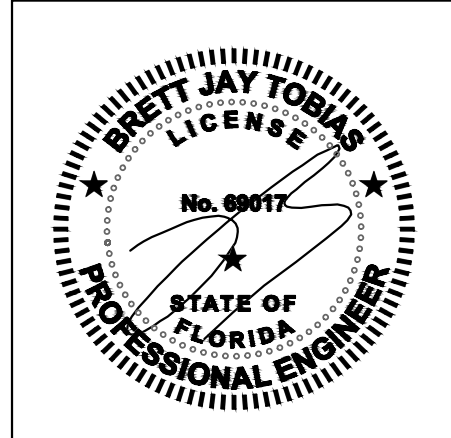
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC

210 Hanger Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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FIRM OR BUSINESS NO. STATE

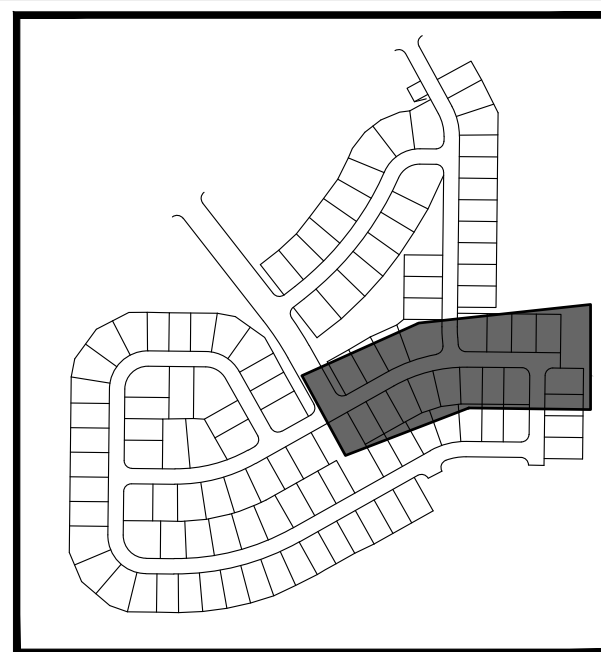
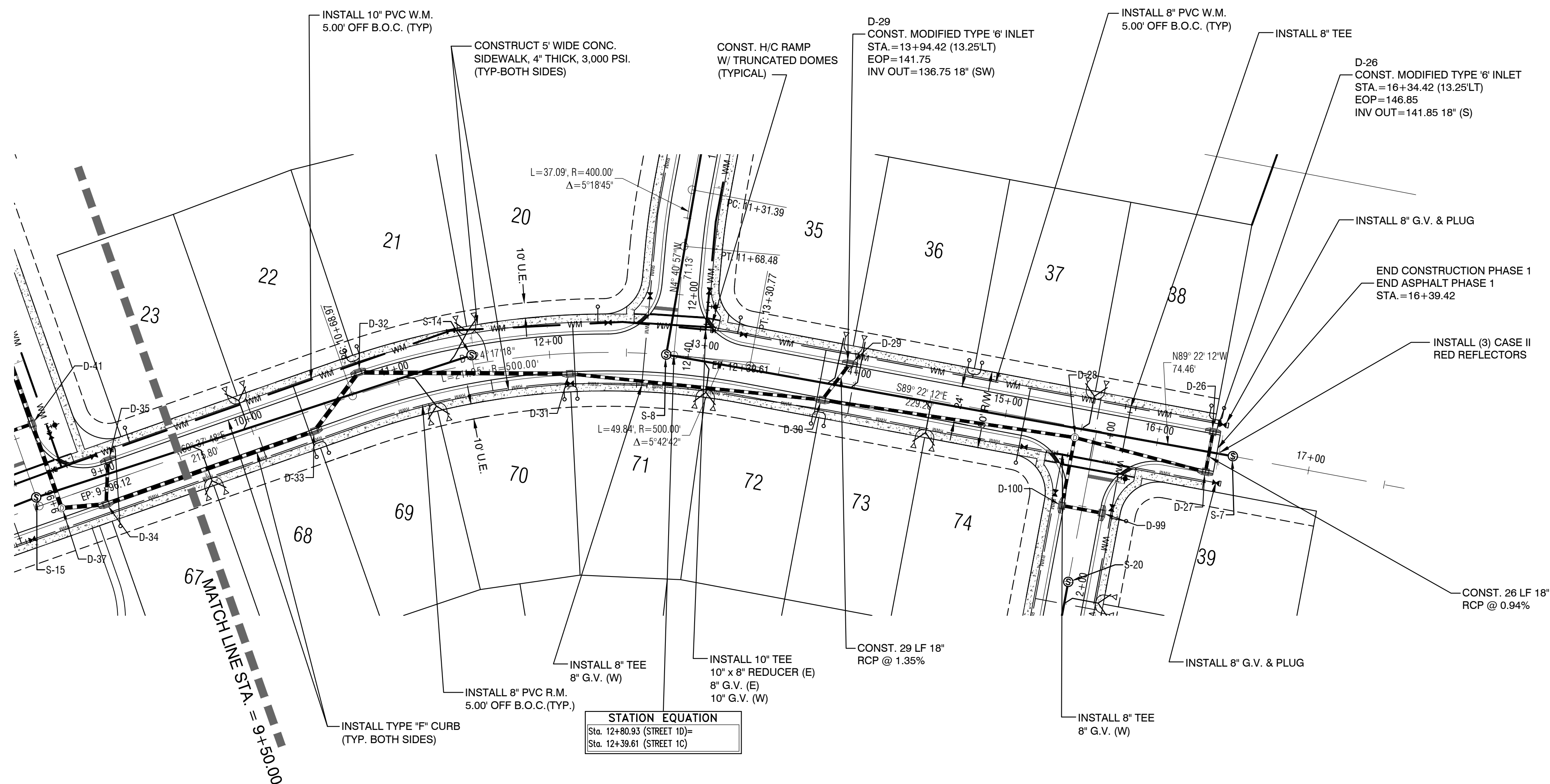
PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 50'  
SHEET TITLE:

STREET 1D  
PLAN & PROFILE

C-503



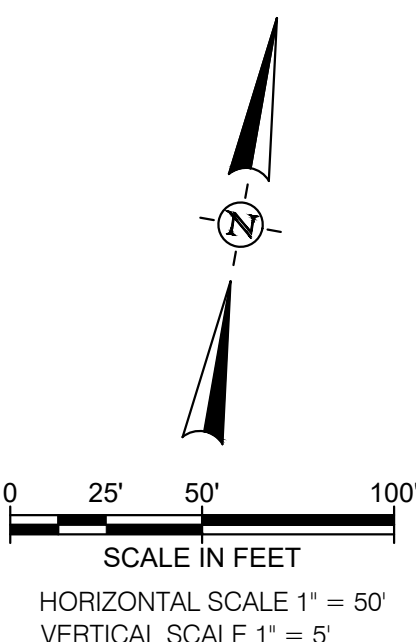
FILE NAME: A:\45000\45548\03\LD\CADD\01 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:56 AM, USER: ah5122



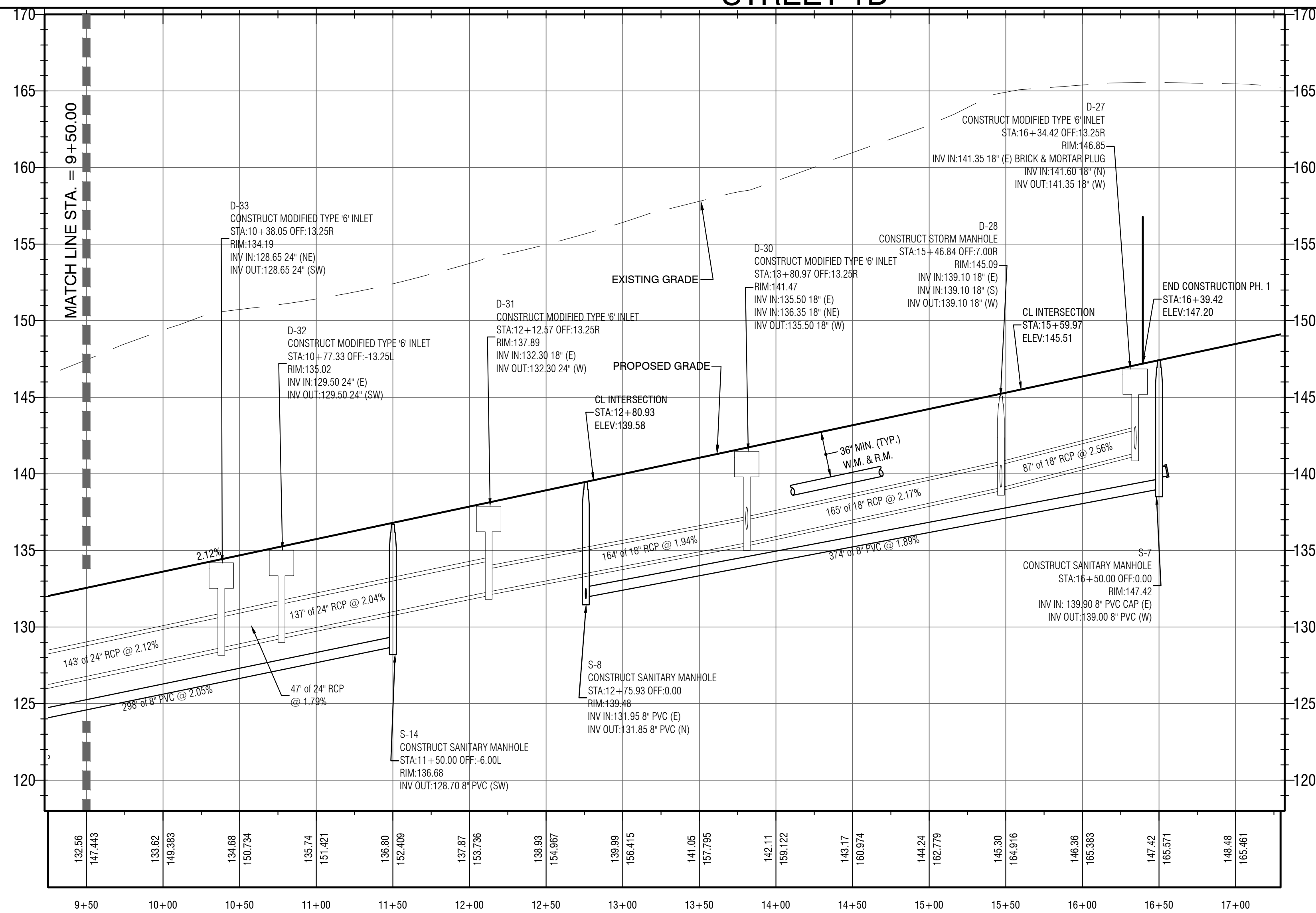
KEY MAP

NOTES:

1. ALL RIGHT OF WAY INTERSECTION RADII SHALL BE 25.00' (TYP.)
2. ALL EDGE OF PAVEMENT INTERSECTION TURNOUT RADII TO BE 35.00' TYPICAL UNLESS OTHERWISE SHOWN.
3. THE REUSE MAIN WILL BE A MINIMUM OF 12" BELOW WATER MAIN AT ALL CROSSINGS.
4. WATER MAIN IS TO BE A MIN. OF 12" ABOVE OR BELOW STORM PIPE CROSSINGS.



STREET 1D

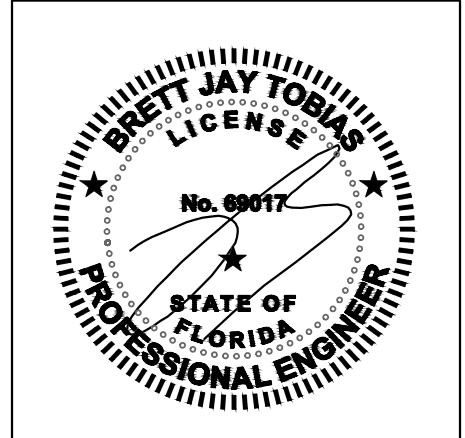


WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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FIRM OR BUSINESS NO. STATE

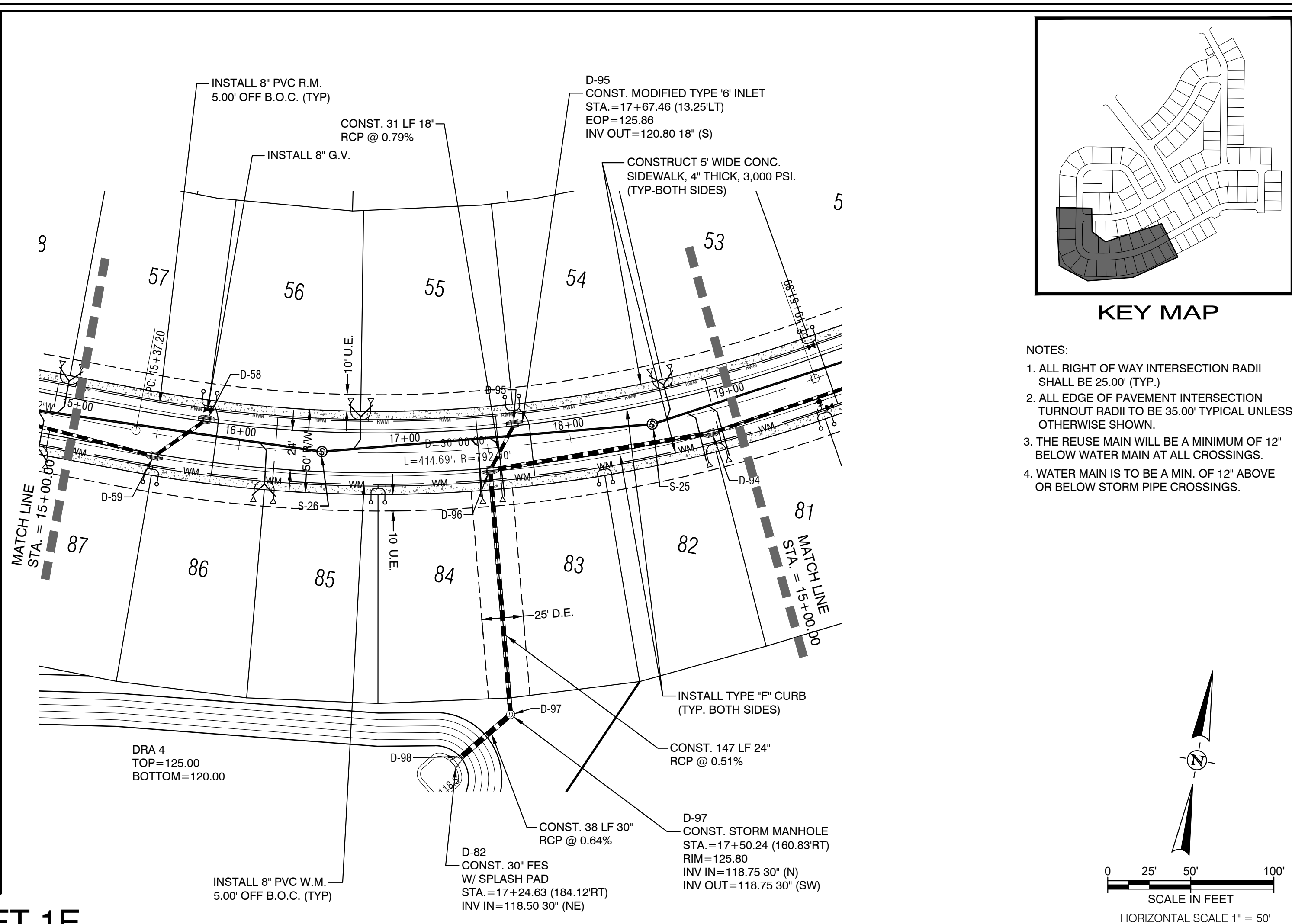
PROJECT NO.: 045548  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 50'  
SHEET TITLE:

STREET 1D  
PLAN & PROFILE

















- 
- 0 25' 50' 100'
- SCALE IN FEET
- HORIZONTAL SCALE 1" = 50'
- VERTICAL SCALE 1" = 5'

REVELS ROAD INVESTORS, LLC

210 Hangar Rd.  
Kissimmee, FL 34741

A circular professional engineer seal for Brett Jay Tobias. The outer ring contains the text "BRETT JAY TOBIAS" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom, also separated by two stars. In the center, the license number "No. 69017" is displayed. A stylized signature is written across the center of the seal.

|              |           |
|--------------|-----------|
| PROJECT NO.: | 045548    |
| ISSUED:      | JULY 2025 |
| DRAWN BY:    | SPH       |
| CHECKED BY:  | BJT       |
| SCALE:       | 1" = 50'  |
| SHEET TITLE: |           |

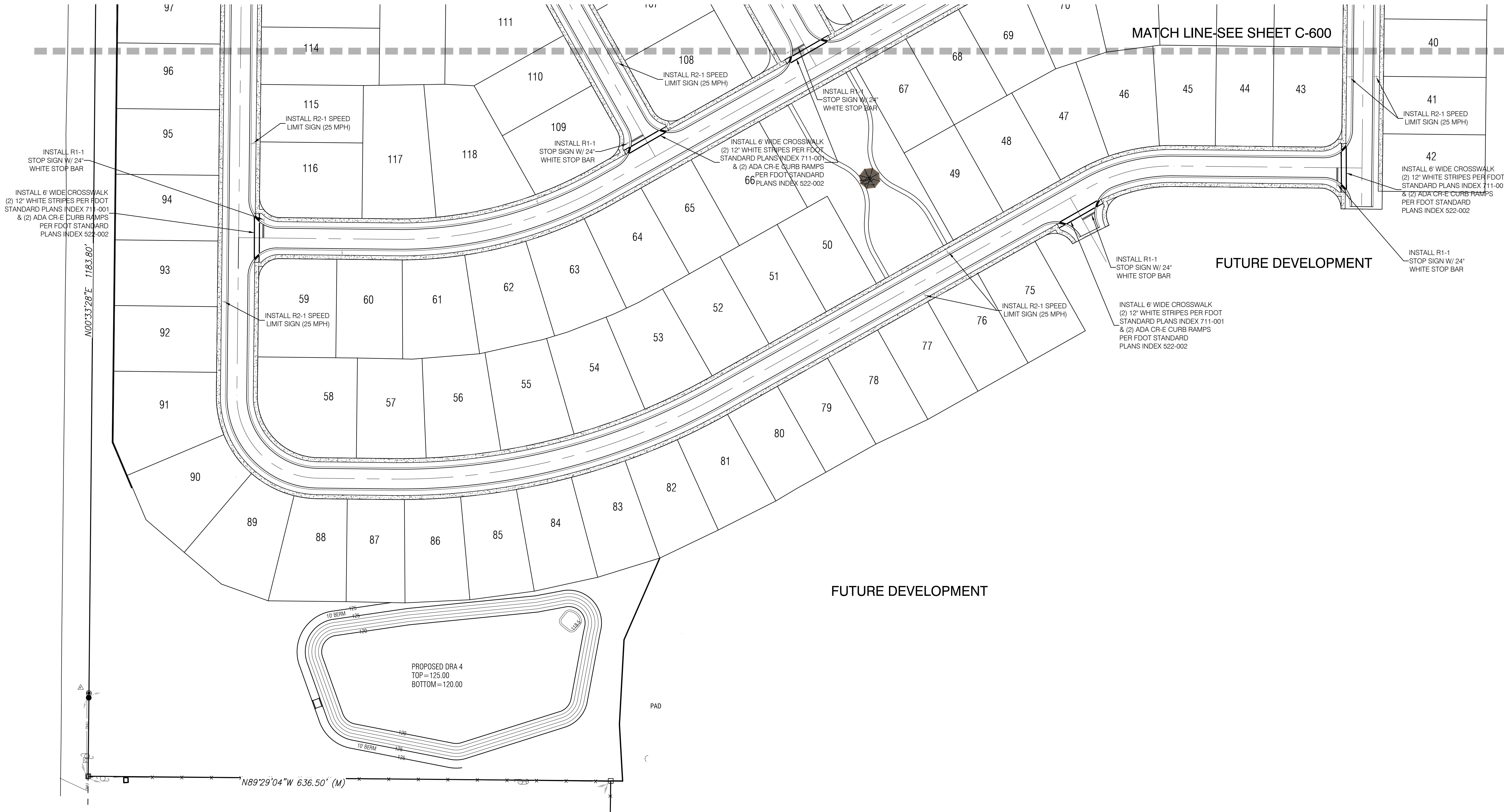
C-508







FILE NAME: A:\45000\45454003\LD\CADD\C-101 - C600 Watermark Construction Plans.dwg DATE: July 29, 2025, TIME: 7:57 AM, USER: ah5122



WATERMARK PH.1 & MASTER GRADING PLANS

TOWN OF HOWEY IN THE HILLS

LAKE COUNTY

REVELS ROAD INVESTORS, LLC

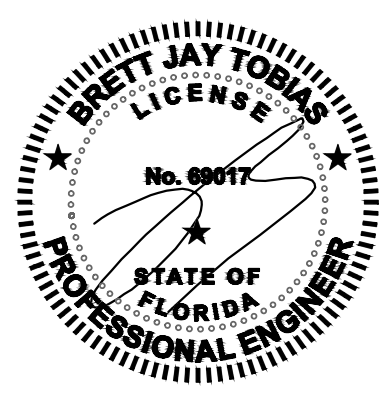
210 Hanger Rd.

Kissimmee, FL 34741



80 NORTH SINGAR AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

| REVISION NO. | DATE | DESCRIPTION |
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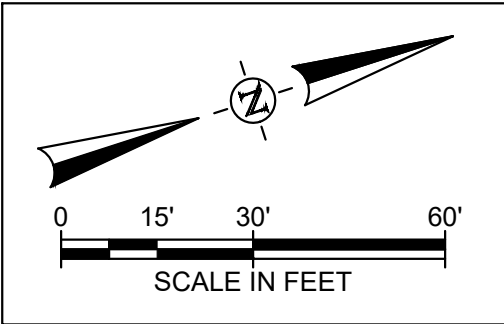
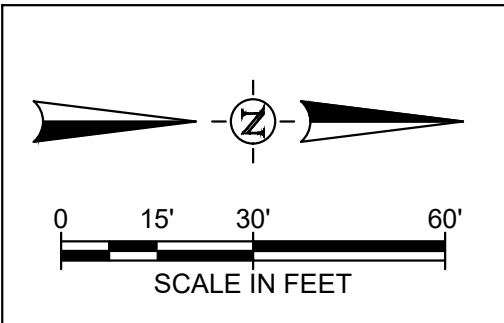


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| PROJECT NO.: | 045548                  |
| ISSUED:      | JULY 2025               |
| DRAWN BY:    | SPH                     |
| CHECKED BY:  | BJT                     |
| SCALE:       | 1" = 60'                |
| SHEET TITLE: | SIGNAGE & STRIPING PLAN |

C-601



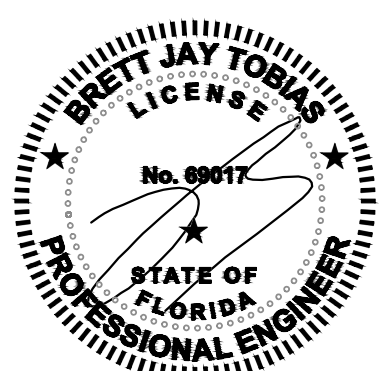


CONTRACTOR SHALL PROVIDE AND PERFORM A 2 WEEK LOOK AHEAD INTO THE UTILITY WORK TO BE PERFORMED. THIS SHALL INCLUDE THE VERIFICATION OF EXISTING UTILITIES, BOTH HORIZONTAL AND VERTICAL POSITIONING, MATCHES WHAT IS SHOWN IN THE CONTRACT DOCUMENTS AND ANY NEW UTILITIES THAT ARE DISCOVERED DURING THIS LOOK AHEAD. INFORMATION OF CONFLICTS OR DISCREPANCIES WITH THE CONTRACT DOCUMENTS SHALL BE PROVIDED TO THE ENGINEER OF RECORD NO LESS THAN 1 WEEK PRIOR TO COMMENCEMENT OF WORK WITHIN SAID CONFLICT AREA. ENGINEER OF RECORD SHALL BE ALLOWED AMPLE TIME TO ADDRESS CONFLICTS/ISSUES AND PROVIDE ADJUSTMENTS TO THE DESIGN TO ADDRESS CONCERNS WITHOUT CONTRACTOR REQUESTING TIME DELAYS.

FILE NAME: A:\45000s\45548\003\LD\CADD\00\ Watermark Civil Base File Offsite Utilities.dwg DATE: July 30, 2025, TIME: 10:02 AM, USER: ah4672

**WATERMARK CONSTRUCTION PLANS**  
**TOWN OF HOWEY IN THE HILLS**  
**LAKE COUNTY**

**REVELS ROAD INVESTORS, LLC**  
210 Hangar Rd.  
Kissimmee, FL 34741

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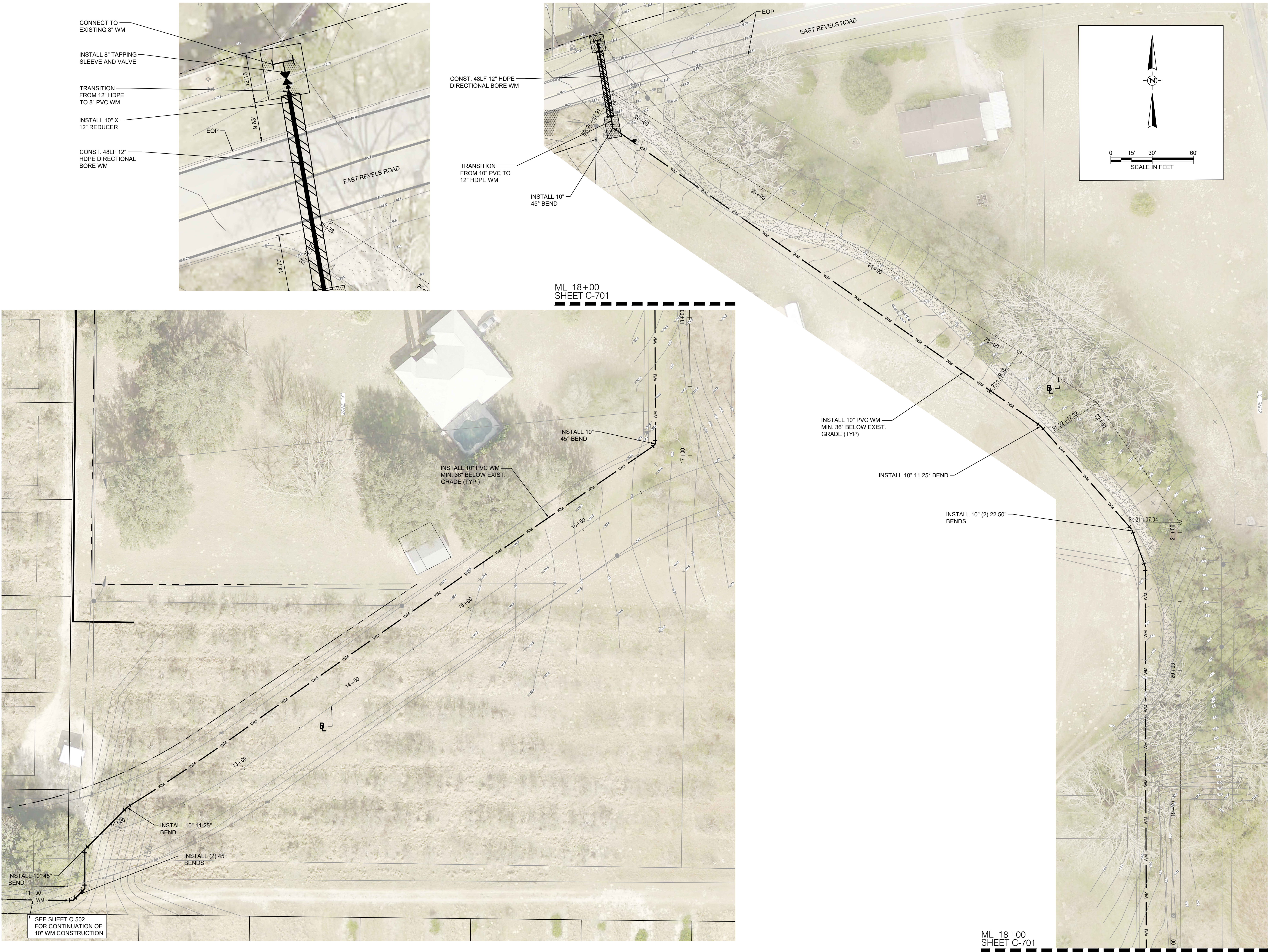
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| BRETT J. TOBIAS                                                   | 69017          |
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| DATE                                                              |                |
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| HALFF ASSOCIATES, INC.                                            |                |
| HALFF ASSOCIATES, INC.                                            | FL             |
| FIRM OR BUSINESS NO.                                              | STATE          |

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|--------------|------------|
| PROJECT NO.: | 045548.003 |
| ISSUED:      | JULY 2025  |
| DRAWN BY:    | MC         |
| CHECKED BY:  | BJT        |
| SCALE:       | 1" = 30'   |
| SHEET TITLE: |            |

C-700



FILE NAME: A:\4500s\45548\003\LD\CADD\001\Watermark Civil Base File Offsite Utilities.dwg DATE: July 30, 2025, TIME: 10:03 AM, USER: ah4672



- CONNECT TO EXISTING 8" WM
- INSTALL 8" TAPPING SLEEVE AND VALVE
- TRANSITION FROM 12" HDPE TO 8" PVC WM
- INSTALL 10" X 12" REDUCER
- CONST. 48LF 12" HDPE DIRECTIONAL BORE WM

CONST. 48LF 12" HDPE DIRECTIONAL BORE WM

TRANSITION FROM 10" PVC TO 12" HDPE WM

INSTALL 10" 45° BEND

INSTALL 10" PVC WM MIN. 36" BELOW EXIST. GRADE (TYP)

INSTALL 10" 11.25° BEND

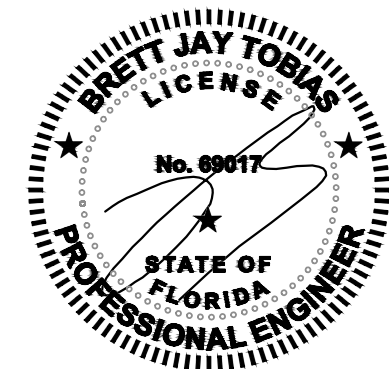
INSTALL 10" (2) 22.50° BENDS

WATERMARK CONSTRUCTION PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hangar Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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BRETT J. TOBIAS 68017  
NAME PE LICENSE NO.  
DATE  
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HALFF ASSOCIATES, INC. FL  
FIRM OR BUSINESS NO. STATE

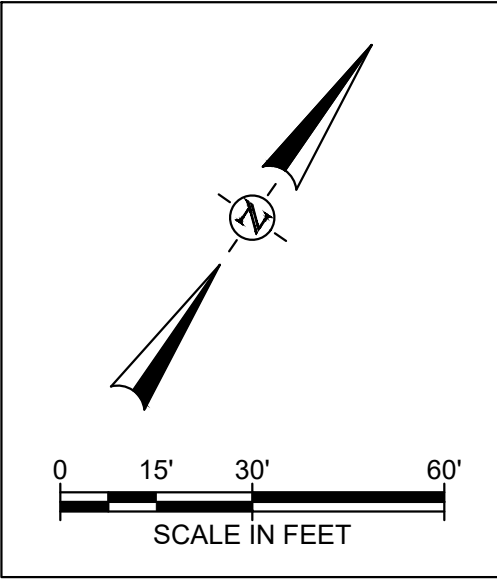
PROJECT NO.: 045548.003  
ISSUED: JULY 2025  
DRAWN BY: MC  
CHECKED BY: BJT  
SCALE: 1" = 30'

SHEET TITLE:  
OFFSITE UTILITIES

C-701



FILE NAME: A:\45000s45548\03\LD\CADD\00\ Watermark Civil Base File Offsite Utilities.dwg DATE: July 30, 2025, TIME: 10:03 AM, USER: ah4672

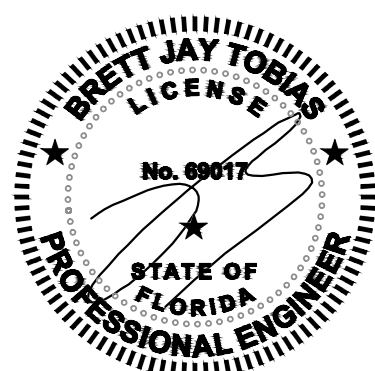


WATERMARK CONSTRUCTION PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hangar Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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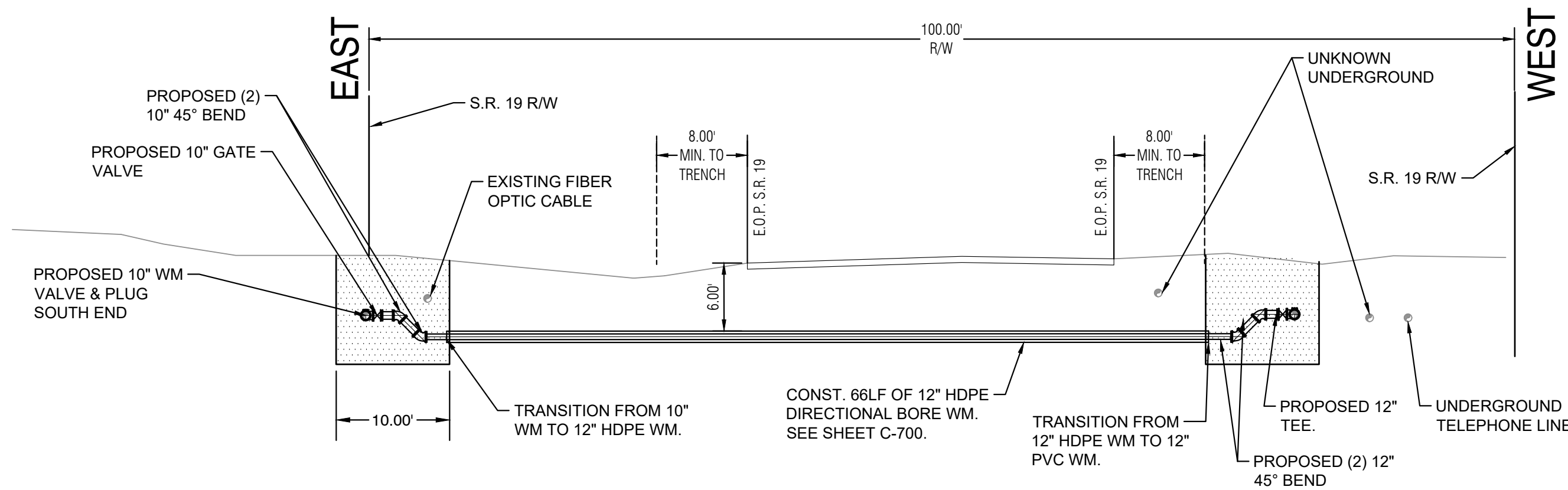
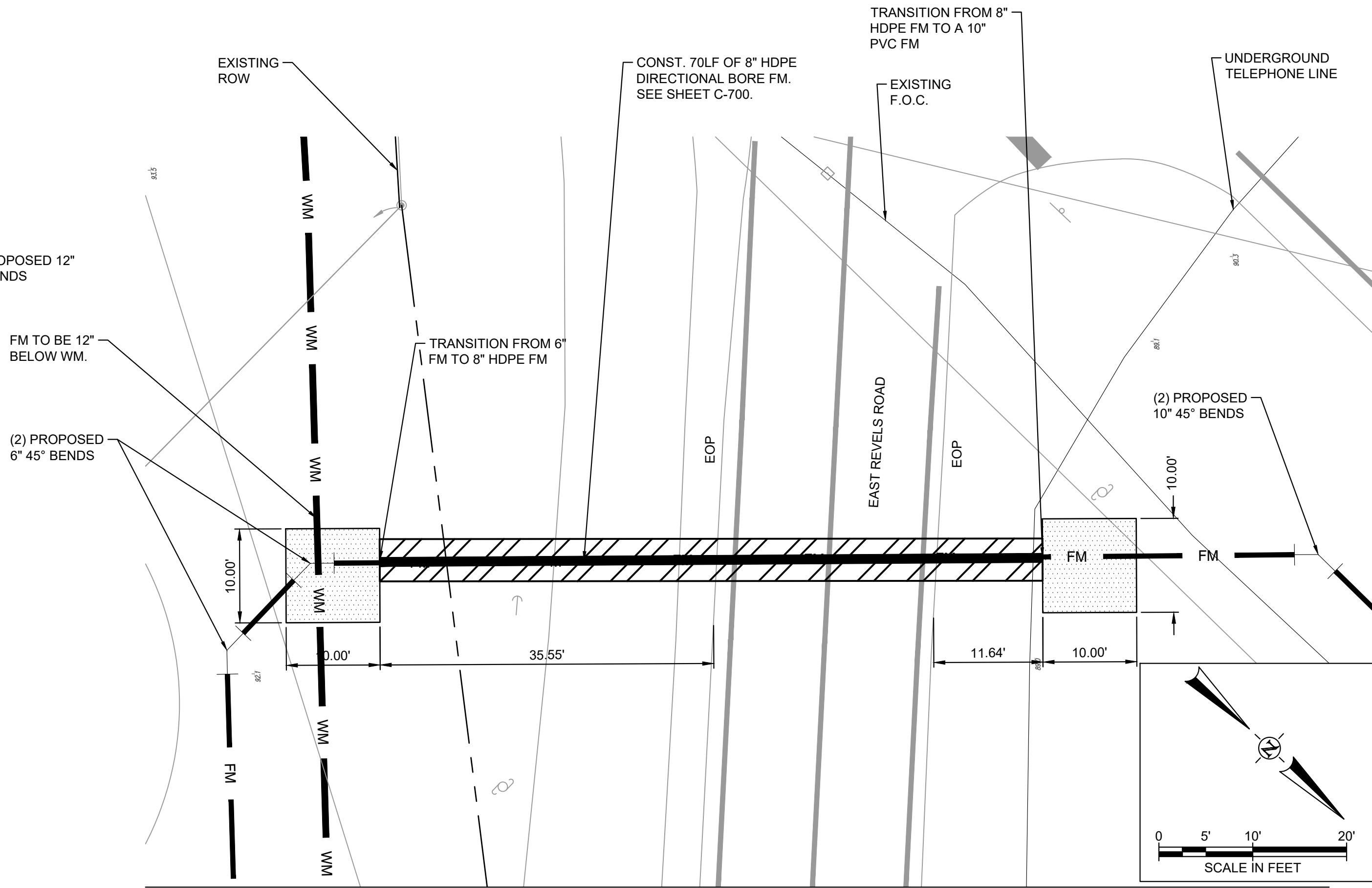
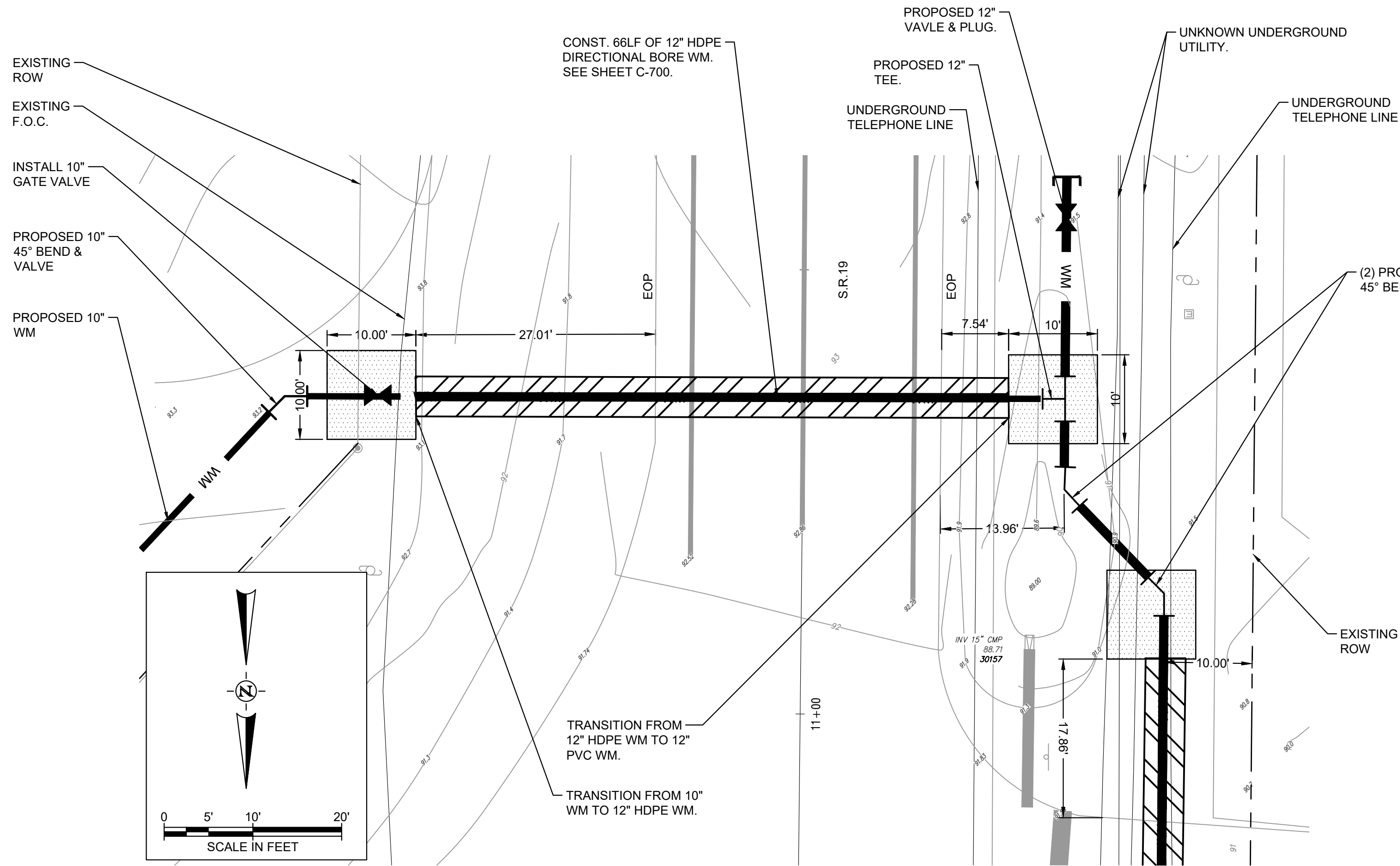
THE SEAL ORIGINALLY APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:  
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NAME PE LICENSE NO.  
DATE  
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FIRM OR BUSINESS NO. STATE

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| PROJECT NO.: | 045548.003 |
| ISSUED:      | JULY 2025  |
| DRAWN BY:    | MC         |
| CHECKED BY:  | BJT        |
| SCALE:       | 1" = 30'   |

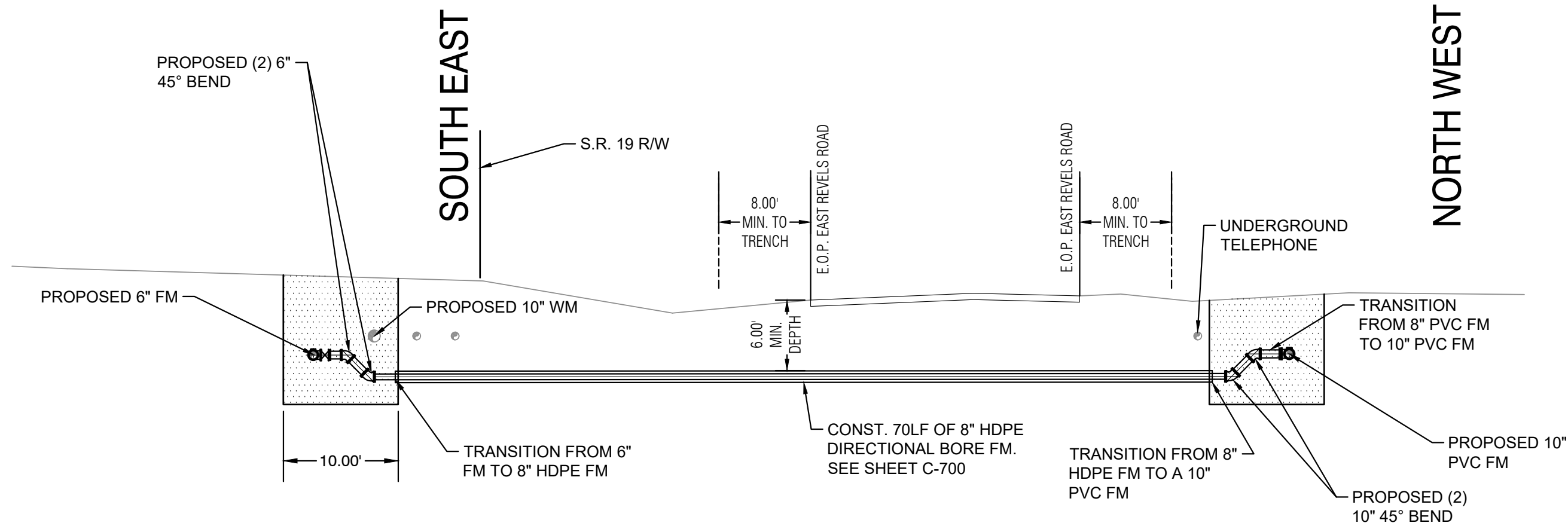
SHEET TITLE:  
OFFSITE UTILITIES



FILE NAME: A:\45000s\45548\03\LD\CADD\00\ Watermark Civil Base File Offsite Utilities.dwg DATE: July 30, 2025, TIME: 10:03 AM, USER: ah4672



STATE ROAD 19 DIRECTIONAL BORE PROFILE (12" HDPE WATER MAIN)  
SCALE: 1" = 10'-0"

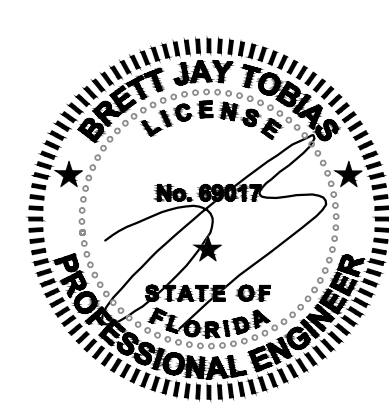


EAST REVELS ROAD DIRECTIONAL BORE PROFILE (8" HDPE FORCE MAIN)  
SCALE: 1" = 10'-0"

WATERMARK CONSTRUCTION PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY  
REVELS ROAD INVESTORS, LLC  
210 Hangar Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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FIRM OR BUSINESS NO. STATE

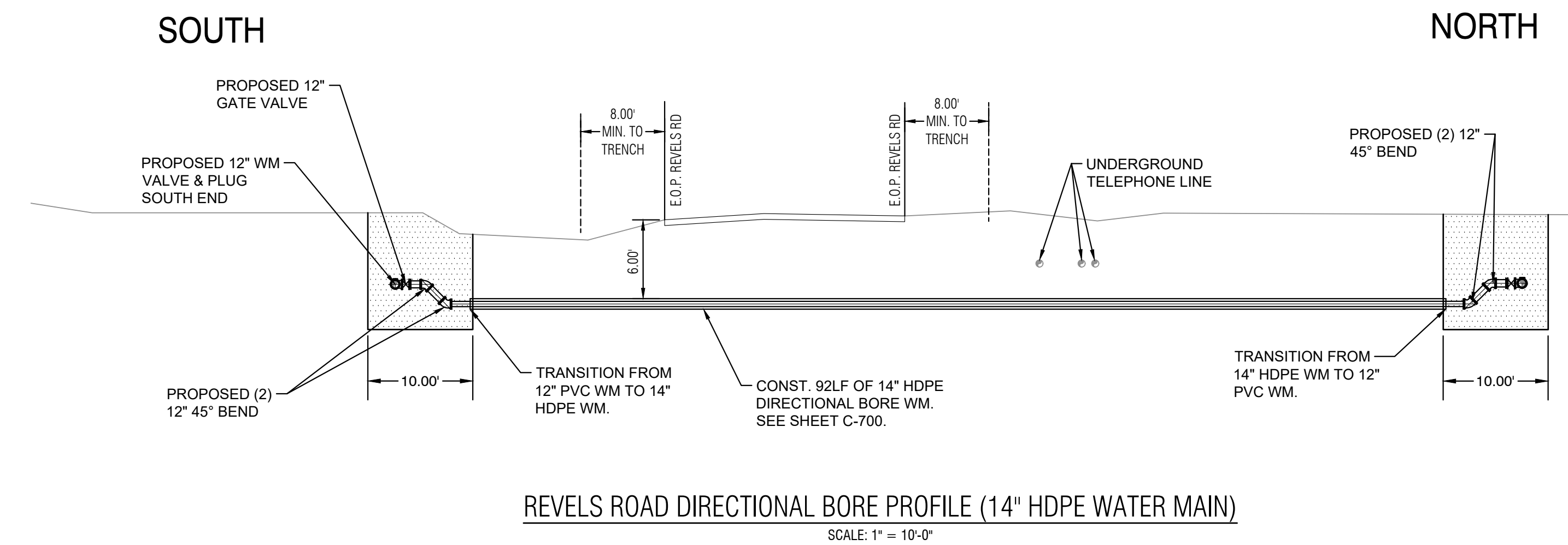
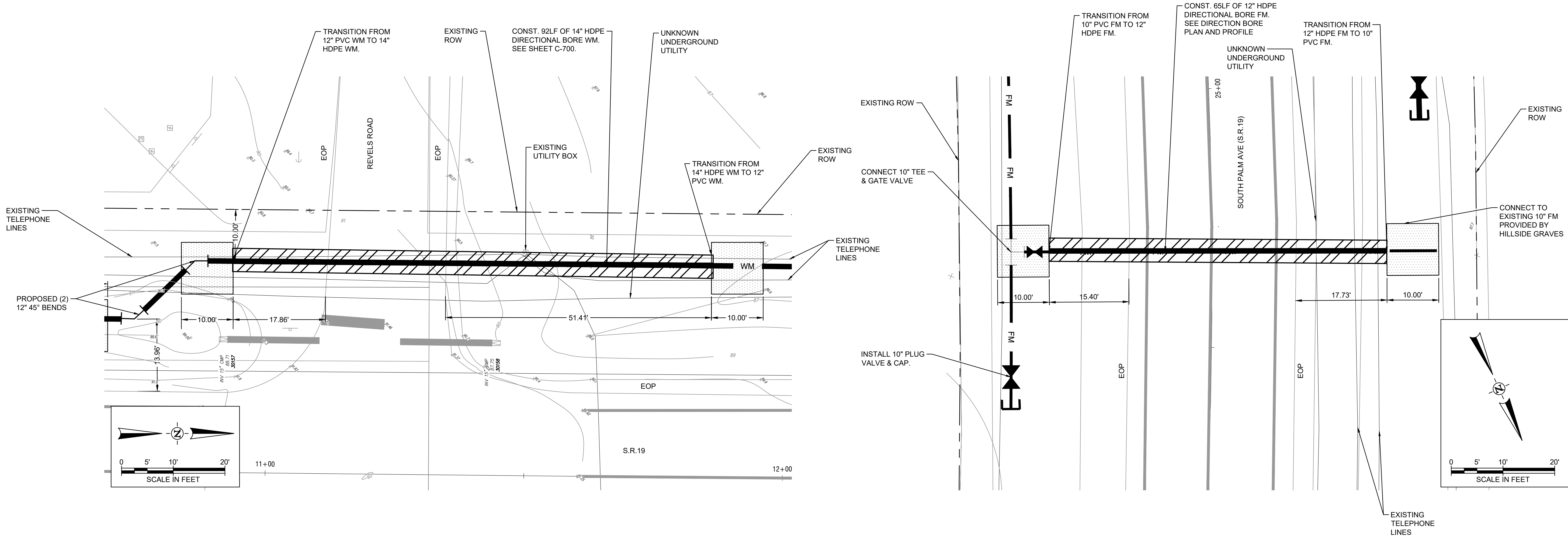
PROJECT NO.: 045548.003  
ISSUED: JULY 2025  
DRAWN BY: MC  
CHECKED BY: BJT  
SCALE: 1" = 10'  
SHEET TITLE:

OFFSITE  
UTILITIES

C-703

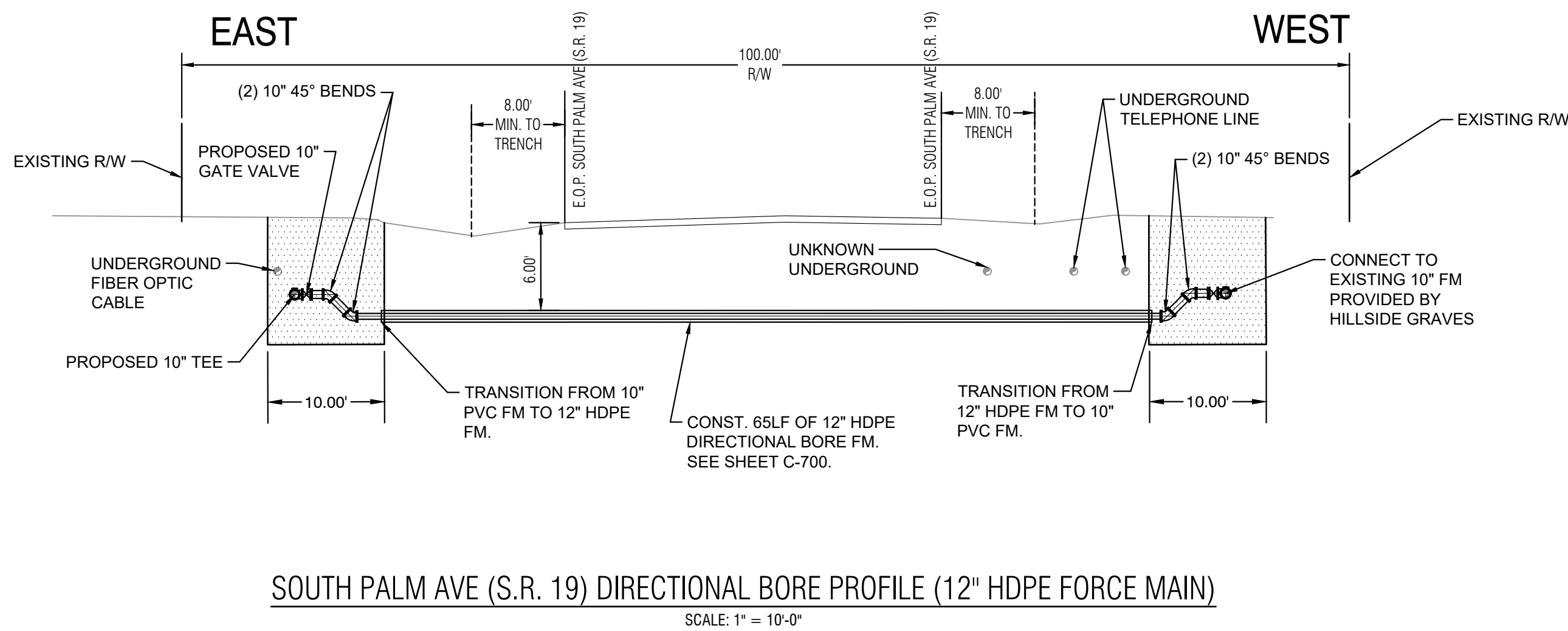


FILE NAME: A:\45000s45548\03\LD\CADD\00\ Watermark Civil Base File Offsite Utilities.dwg DATE: July 30, 2025, TIME: 10:04 AM, USER: ab4672



REVELS ROAD DIRECTIONAL BORE PROFILE (14" HDPE WATER MAIN)

SCALE: 1" = 10'-0"



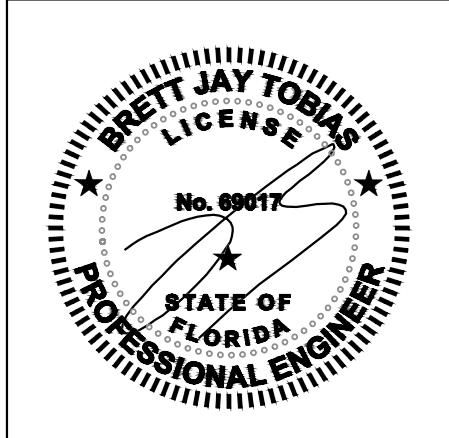
SOUTH PALM AVE (S.R. 19) DIRECTIONAL BORE PROFILE (12" HDPE FORCE MAIN)

SCALE: 1" = 10'-0"

WATERMARK CONSTRUCTION PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY  
REVELS ROAD INVESTORS, LLC  
210 Hangar Rd.  
Kissimmee, FL 34741



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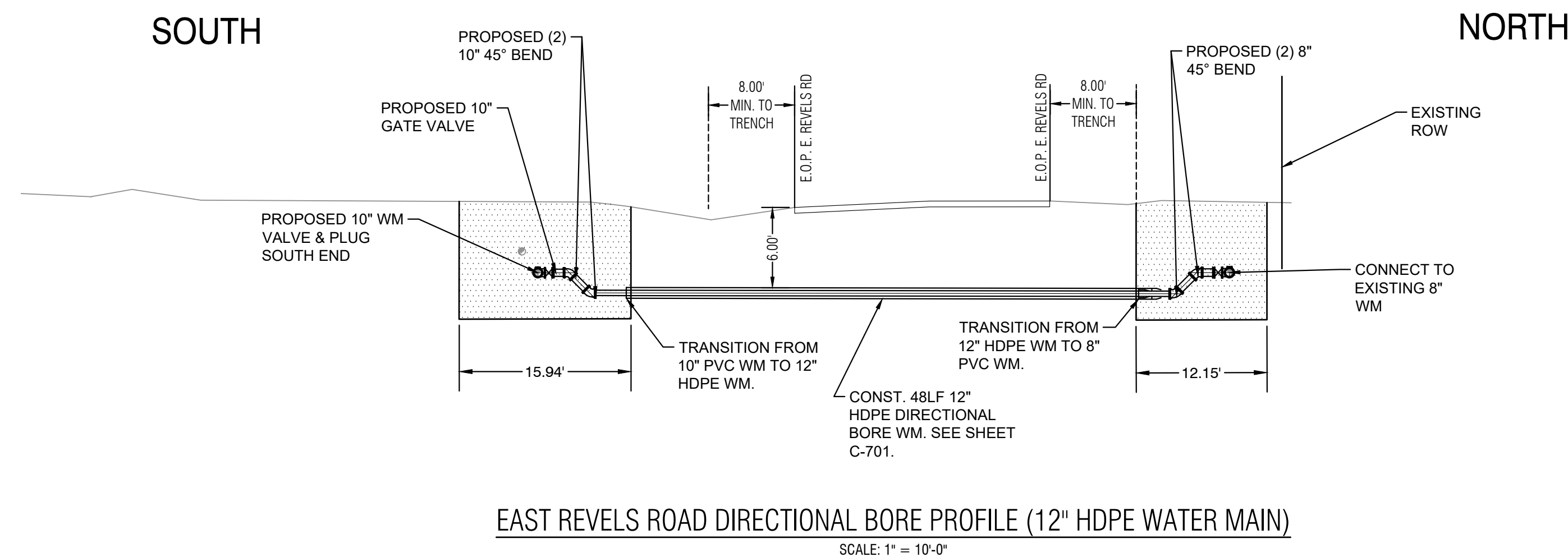
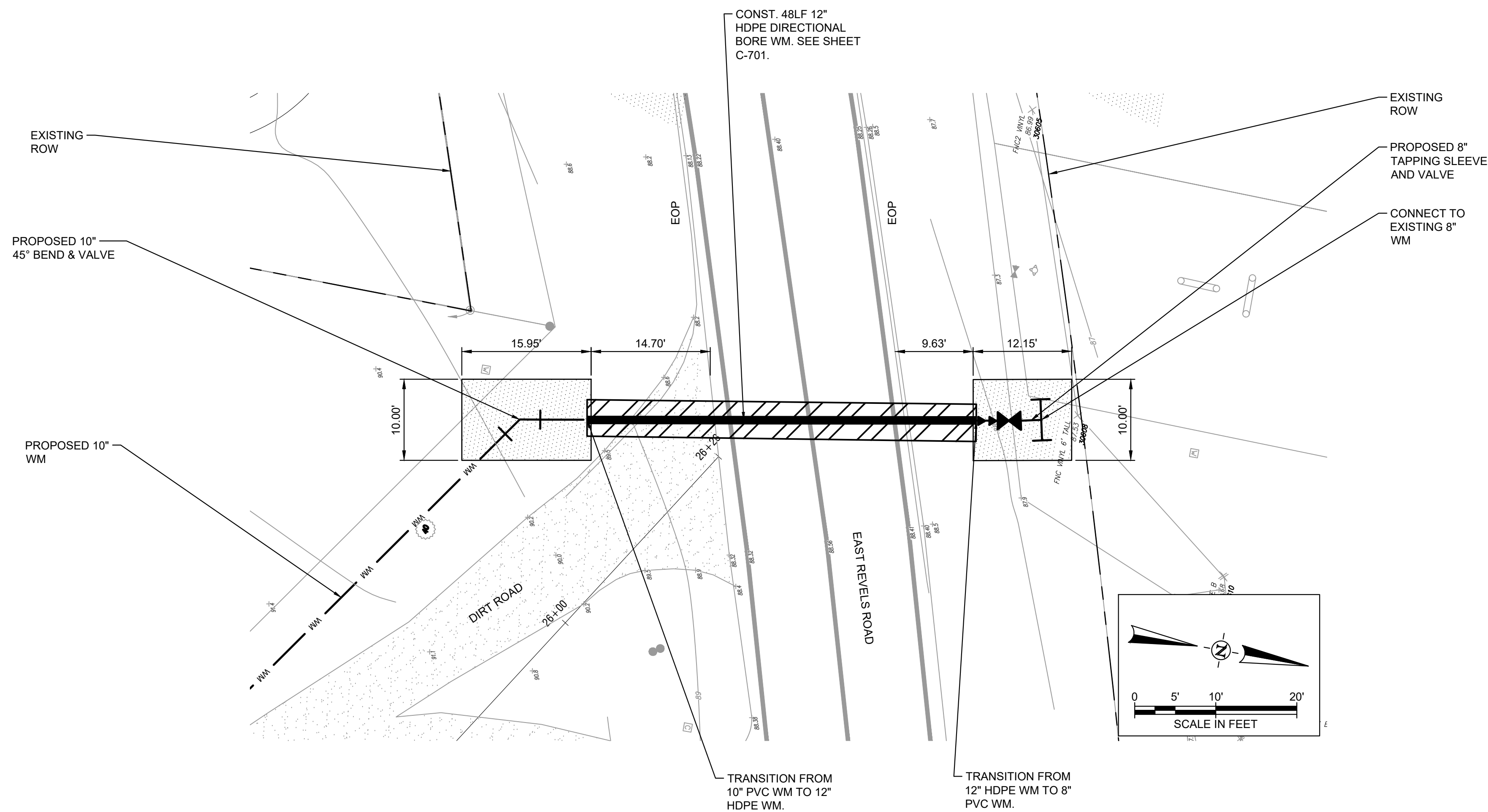
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FIRM OR BUSINESS NO. STATE

PROJECT NO.: 045548.003  
ISSUED: JULY 2025  
DRAWN BY: MC  
CHECKED BY: BJT  
SCALE: 1" = 10'  
SHEET TITLE:

OFFSITE  
UTILITIES

C-704

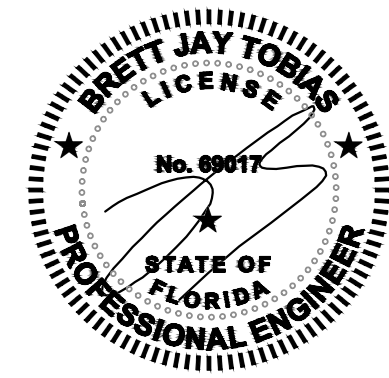




WATERMARK CONSTRUCTION PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY  
REVELS ROAD INVESTORS, LLC  
210 Hangar Rd.  
Kissimmee, FL 34741



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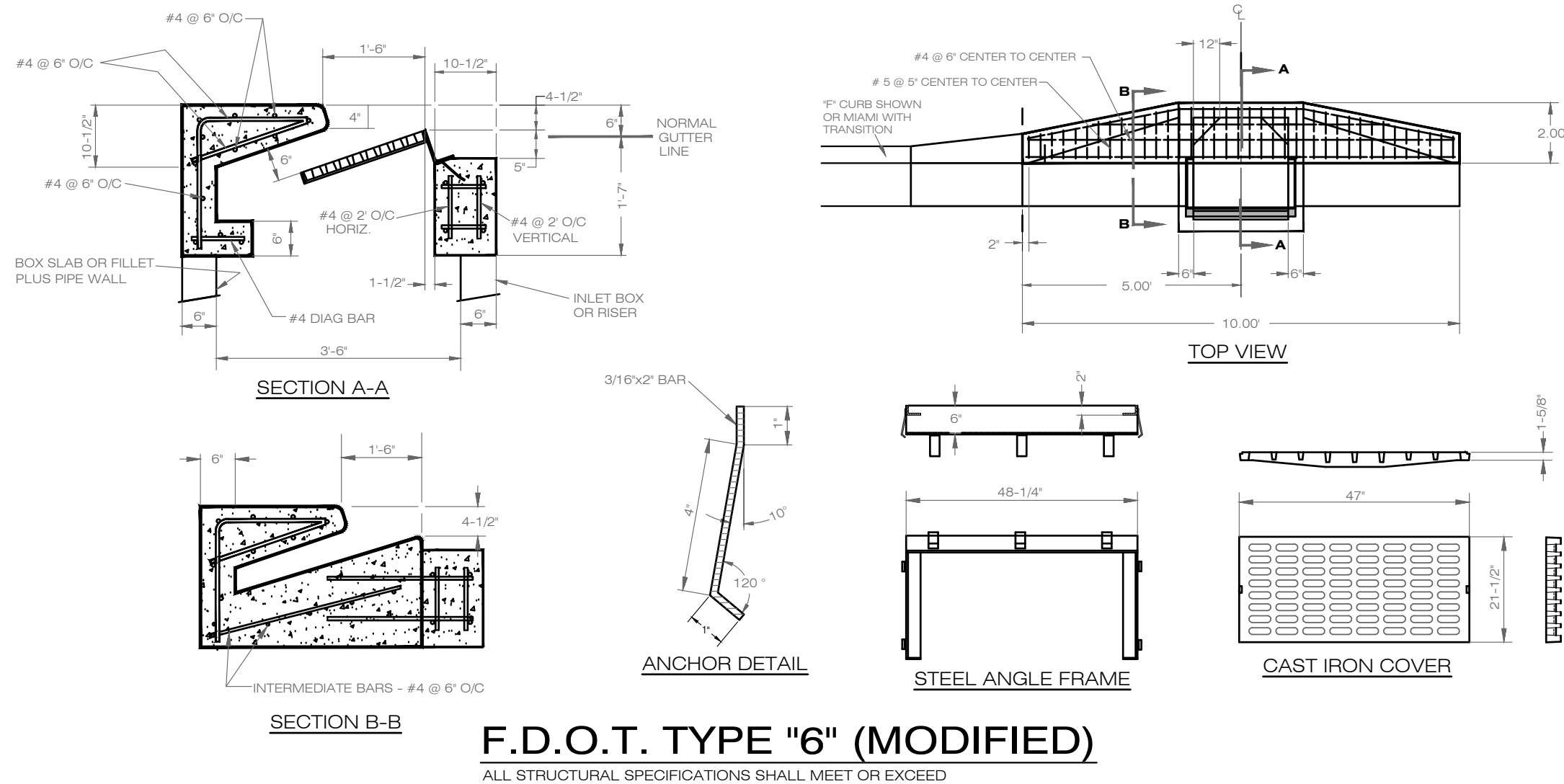
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FIRM OR BUSINESS NO. STATE

PROJECT NO.: 045548.003  
ISSUED: JULY 2025  
DRAWN BY: MC  
CHECKED BY: BJT  
SCALE: 1" = 30'

SHEET TITLE:  
OFFSITE UTILITIES

C-705

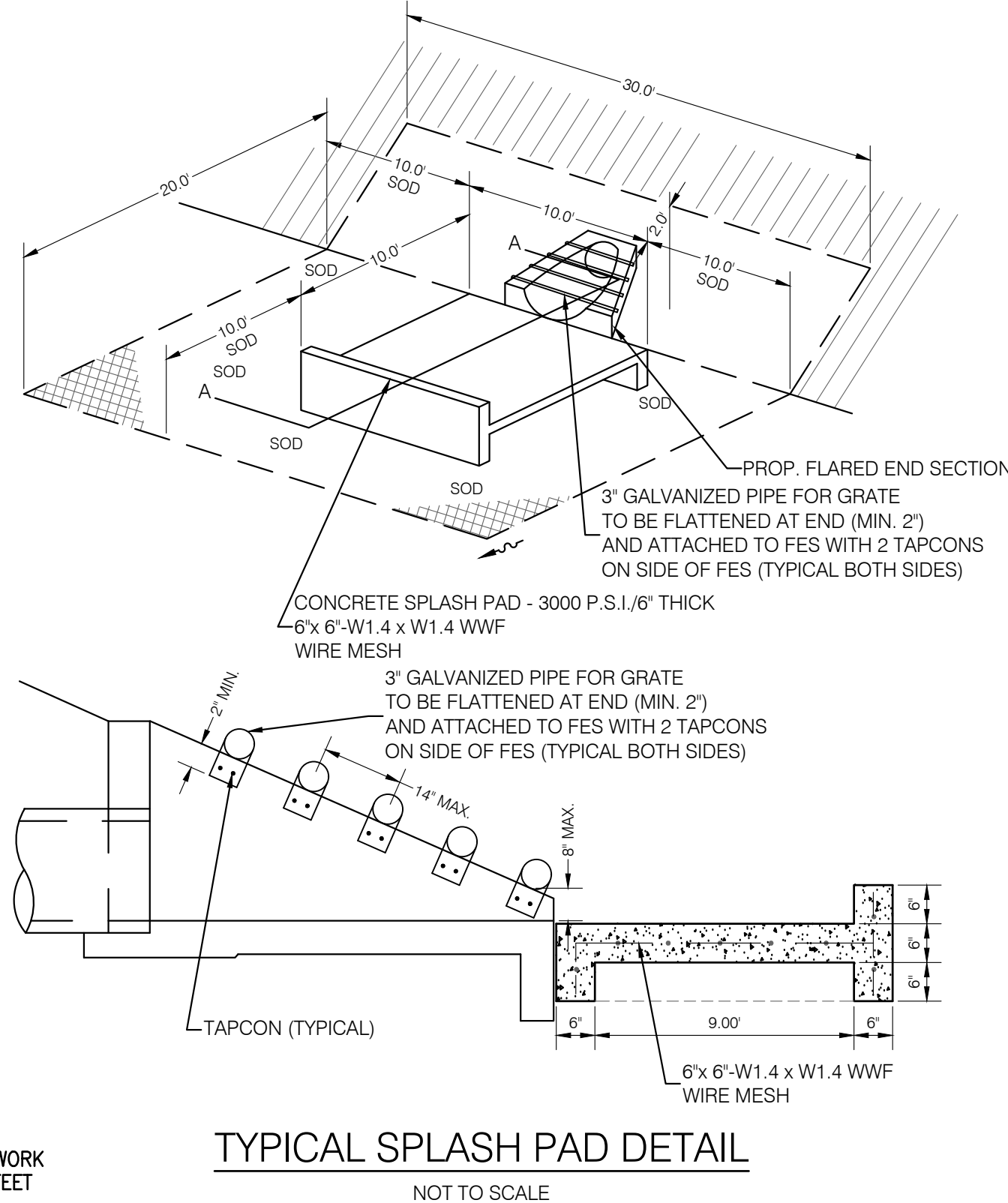




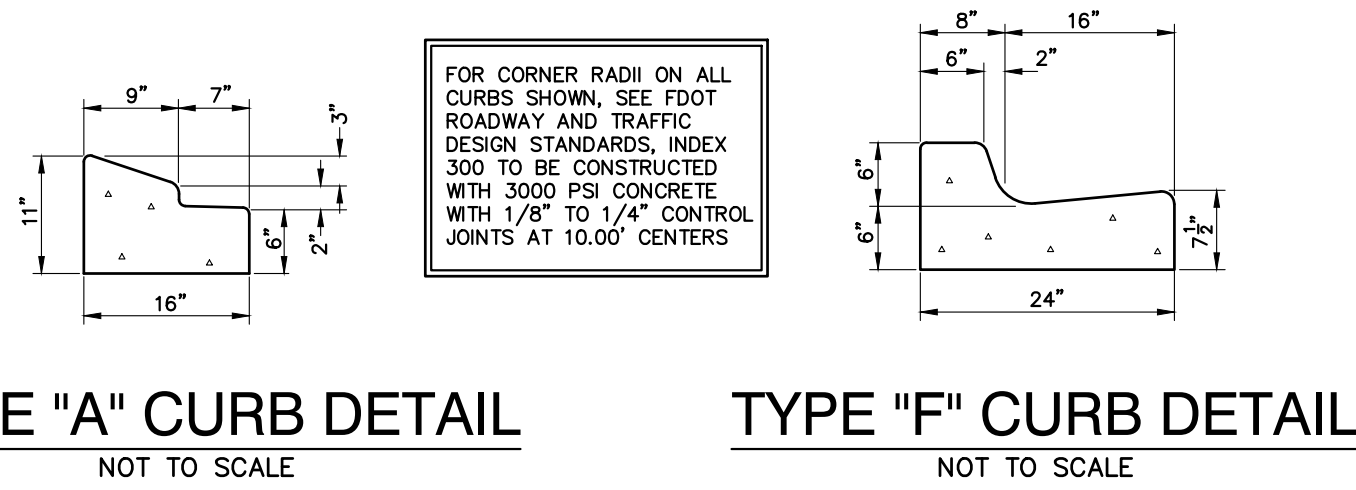
F.D.O.T. TYPE "6" (MODIFIED)  
ALL STRUCTURAL SPECIFICATIONS SHALL MEET OR EXCEED

GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO FDOT AND THE TOWN OF HOWEY STANDARDS.
- PROJECT BASELINE STATIONING SHOWN IS APPROXIMATE. THE CONTRACTOR SHALL LOCATE ALL PORTIONS OF THE WORK USING ALL INFORMATION PROVIDED HEREIN AND SHALL MAINTAIN RECORDS OF ALL LOCATIONS PER THE CONTRACT SPECIFICATIONS.
- STATIONING IS PROVIDED FOR THE REFERENCE IN HORIZONTAL PLANE ONLY, AND DOES NOT REFLECT VERTICAL ALIGNMENT OF PIPE.
- INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN OBTAINED FROM RESPECTIVE UTILITY OWNER USING THE LATEST INFORMATION AVAILABLE. HOWEVER, THESE LOCATIONS, AS SHOWN ON THE PLANS, ARE NOT CONSIDERED TO BE ALL INCLUSIVE. THE ENGINEER HAS ATTEMPTED TO SHOW AS MUCH AS POSSIBLE ALL MAIN ELECTRICAL AND TELEPHONE UNDERGROUND CABLES AND DUCTS. THE ENGINEER HAS NOT SHOWN ELECTRICAL AND TELEPHONE SERVICE CONNECTIONS WHICH MAY EXIST WITHIN THE PRIVATE RIGHTS-OF-WAY WITHIN THIS PROJECT. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL UNDERGROUND FACILITIES WITH A FIELD REPRESENTATIVE OF EACH RESPECTIVE UTILITY.
- THE CONTRACTOR PRIOR TO EXCAVATING IN THE VICINITY OF A GAS PIPELINE SHALL NOTIFY THE GAS UTILITY OWNER IN ACCORDANCE WITH THE REQUIREMENTS OF FLORIDA STATUTES, PROTECTION OF UNDERGROUND PIPELINES, F.S. 553.851, CH. 77-143.
- THE CONTRACTOR SHALL INSURE ALL NECESSARY PERMITS ARE IN HAND BEFORE COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SATISFYING ALL REQUIREMENTS OF REGULATORY AGENCY PERMITS WITH REGARDS TO CONSTRUCTION ACTIVITIES AND CONDITIONS STATED THEREIN. ALL WORK WITHIN THE TOWN OF HOWEY & F.D.O.T. RIGHT-OF-WAYS SHALL CONFORM WITH ALL REQUIREMENTS AND SPECIAL CONDITIONS OF THE APPROVED TOWN OF HOWEY AND F.D.O.T. UTILITY PERMITS.
- D.I.P. LOCATED LESS THAN 10 FEET FROM A GAS MAIN SHALL BE WRAPPED IN POLYETHYLENE.
- ALL PROPOSED MAINS SHALL HAVE A MINIMUM OF 36" COVER OVER TOP OF PIPE. COVER SHALL VARY TO PROVIDE UNIFORM GRADIENT OR SLOPE TO PIPE, UNLESS OTHERWISE NOTED.
- WHERE A CONNECTION IS TO BE MADE IN THE FIELD TO AN EXISTING PIPE, THE CONTRACTOR WILL EXCAVATE THE AREA TO VERIFY THE TYPE OF PIPE AND THE PIPE SIZE, AND OBTAIN THE OWNER'S APPROVAL OF THE PROPOSED METHOD OF CONNECTION PRIOR TO ORDERING AND INSTALLING MATERIALS.
- THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AT ALL INTERSECTIONS OF PROPOSED WORK AND EXISTING UTILITIES. THE EXPLORATORY EXCAVATIONS SHALL BE MADE 48 HOURS OR 1,000 FEET IN ADVANCE OF THE WORK, WHICHEVER IS GREATER. IF THERE IS A POTENTIAL CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. INFORMATION ON THE OBSTRUCTION TO BE FURNISHED BY THE CONTRACTOR SHALL INCLUDE: LOCATION, ELEVATION, UTILITY TYPE, MATERIAL AND SIZE.
- ALL WATER OR SEWER SERVICE CONNECTIONS, INTERRUPTIONS OR RELOCATION'S SHALL BE COORDINATED IN ADVANCE WITH FIELD REPRESENTATIVES OF THE TOWN OF HOWEY.
- ALL BURIED PIPING SPECIFIED TO BE PRESSURE TESTED, EXCEPT FLANGED, WELDED, OR SCREWED PIPING, SHALL BE PROVIDED WITH RESTRAINING DEVICES AT ALL DIRECTION CHANGES, UNLESS OTHERWISE NOTED. SEE THRUST RESTRAINT SPECIFICATION DETAILS AND NOTES.
- ALL AREAS WHERE LANDSCAPING, SOD, OR IRRIGATION HAS BEEN REMOVED OR DISTURBED BY CONTRACTOR'S OPERATIONS SHALL BE RESODDED, LANDSCAPED, OR REPAIRED WITH LIKE KIND.
- ALL EXISTING PROPERTY, FENCING, DRIVEWAYS, PIPING, SIDEWALKS, SIGNS AND OTHER ITEMS SHALL BE RESTORED TO ORIGINAL LINE AND GRADE UNLESS APPROVED BY THE ENGINEER. ACCESS TO ADJOINING PROPERTY ALONG THE PROPOSED ROUTE SHALL BE MAINTAINED AT ALL TIMES.
- IN THE EVENT THAT THE POTABLE WATER SYSTEM IS CONTAMINATED (I.E., WATER DOES NOT MEET FEDERAL AND STATE REQUIREMENTS) DUE TO CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL BE RESPONSIBLE, UNDER THE DIRECTION OF THE OWNER, OR STATE AND LOCAL REGULATORY AGENCY FOR CORRECTING ANY SUCH CONTAMINATION PROBLEM INCLUDING DISINFECTION, TESTING AND OTHER CORRECTIVE ACTION.
- WHEN CONSTRUCTION ACTIVITIES DISTURB AREAS WITHIN 10 FEET OF A TOP OF BANK FOR ANY WATERWAY OR WATER SURFACE, THE CONTRACTOR SHALL PROVIDE CROSSING AND SEDIMENTATION CONTROL MEASURES AS DETAILED, SPECIFIED OR AS REQUIRED BY THE JURISDICTIONAL REGULATORY AGENCIES; WHICHEVER REQUIREMENT IS MORE STRINGENT.
- THE SHOWN LOCATIONS OF RIGHTS-OF-WAY AND UTILITIES ARE APPROXIMATE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO EXACTLY LOCATE ALL RIGHTS-OF-WAY AND UTILITY LINES IN THE CONSTRUCTION AREA PRIOR TO EXCAVATION. ANY DAMAGE TO ANY EXISTING UTILITY, STRUCTURE OR SERVICE SHALL BE REPAIRED, AT THE CONTRACTOR'S EXPENSE, IN A MANNER APPROVED BY THE RESPECTIVE UTILITY OWNER.
- TRAFFIC SHALL BE MAINTAINED AT ALL TIMES AS PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ROADWAY AND TRAFFIC DESIGN STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITIONS.
- REMOVAL OF TREES GREATER THEN 4-INCH BASAL DIAMETER SHALL BE ONLY AS DIRECTED BY THE OWNER/ENGINEER. CONTRACTOR SHALL LIMIT TO A MINIMUM THE AMOUNT OF TREE REMOVAL, CLEARING AND GRUBBING REQUIRED BY TRIMMING TREES WHEREVER POSSIBLE.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH AFFECTED PROPERTY OWNERS AND OWNER/ENGINEER ONE WEEK IN ADVANCE OF TREE CLEARING AND GRUBBING. ALL DEBRIS FROM TREE CLEARING AND GRUBBING SHALL BE REMOVED, AT THE CONTRACTORS EXPENSE.
- ALL ELEVATIONS SHOWN ON THESE DRAWINGS REFER TO NATIONAL GEODETIC VERTICAL DATUM (NGVD): 88 DATUM.
- THE CONTRACTOR SHALL REPLACE ALL PAVING, SODDING, STABILIZED EARTH, LANDSCAPING, DRIVEWAYS, SIDEWALKS, IRRIGATION SYSTEMS, UNDERGROUND PIPING, ETC., DISTURBED OR DAMAGED BY THE CONSTRUCTION. THE CONTRACTOR SHALL REPLACE WITH EQUAL MATERIAL OR AS DIRECTED BY THE ENGINEER.

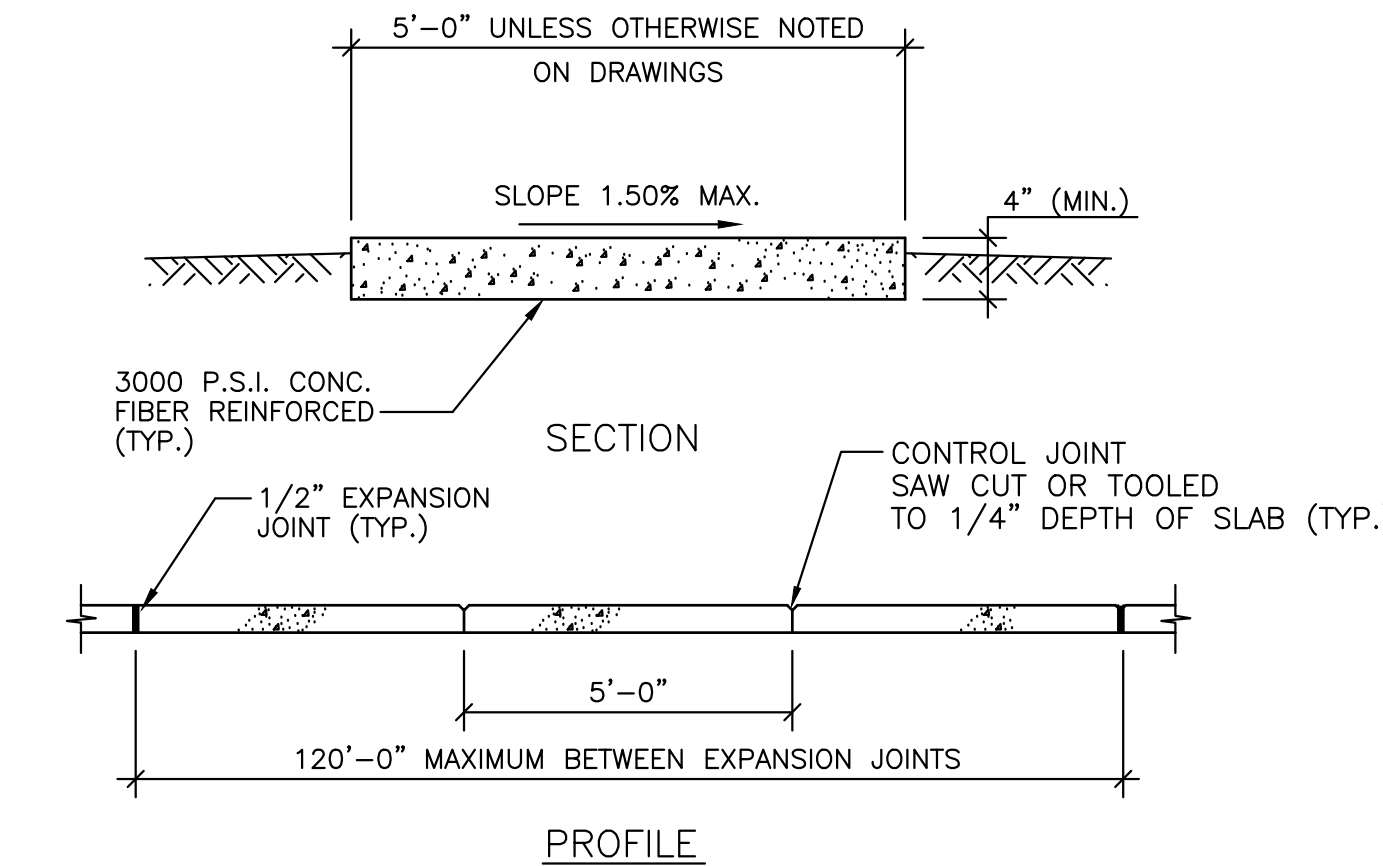


TYPICAL SPLASH PAD DETAIL  
NOT TO SCALE

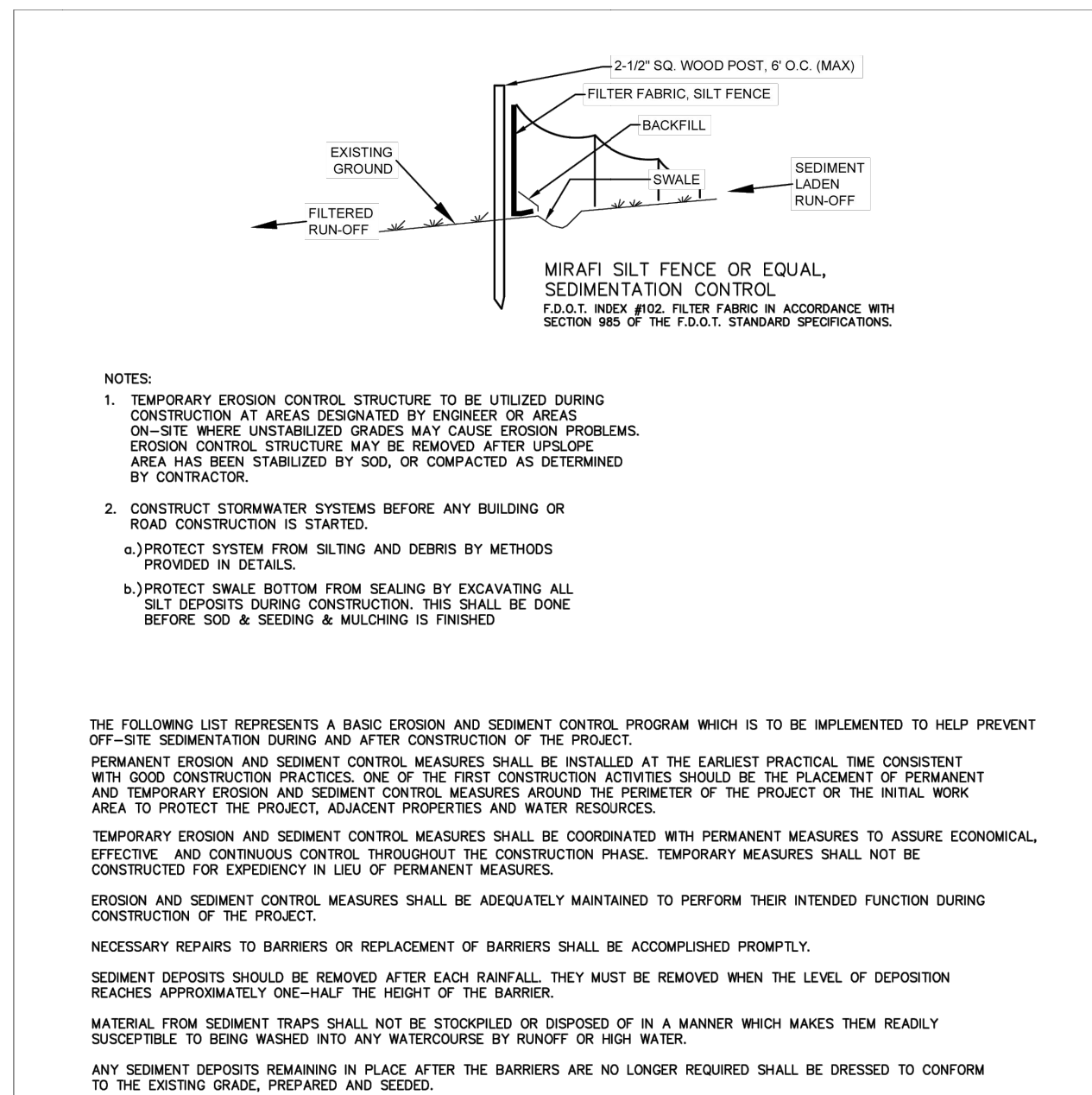


TYPE "A" CURB DETAIL  
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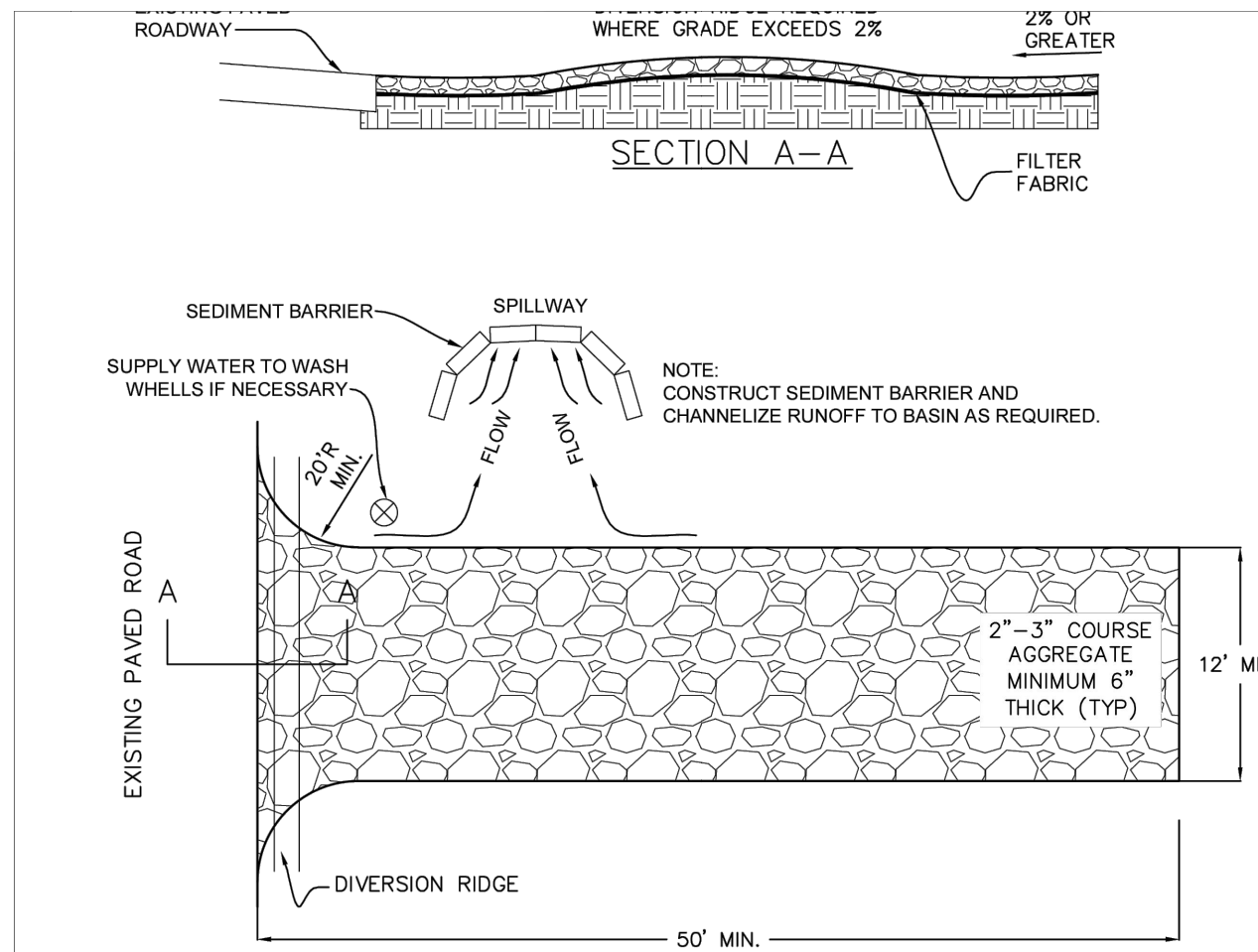
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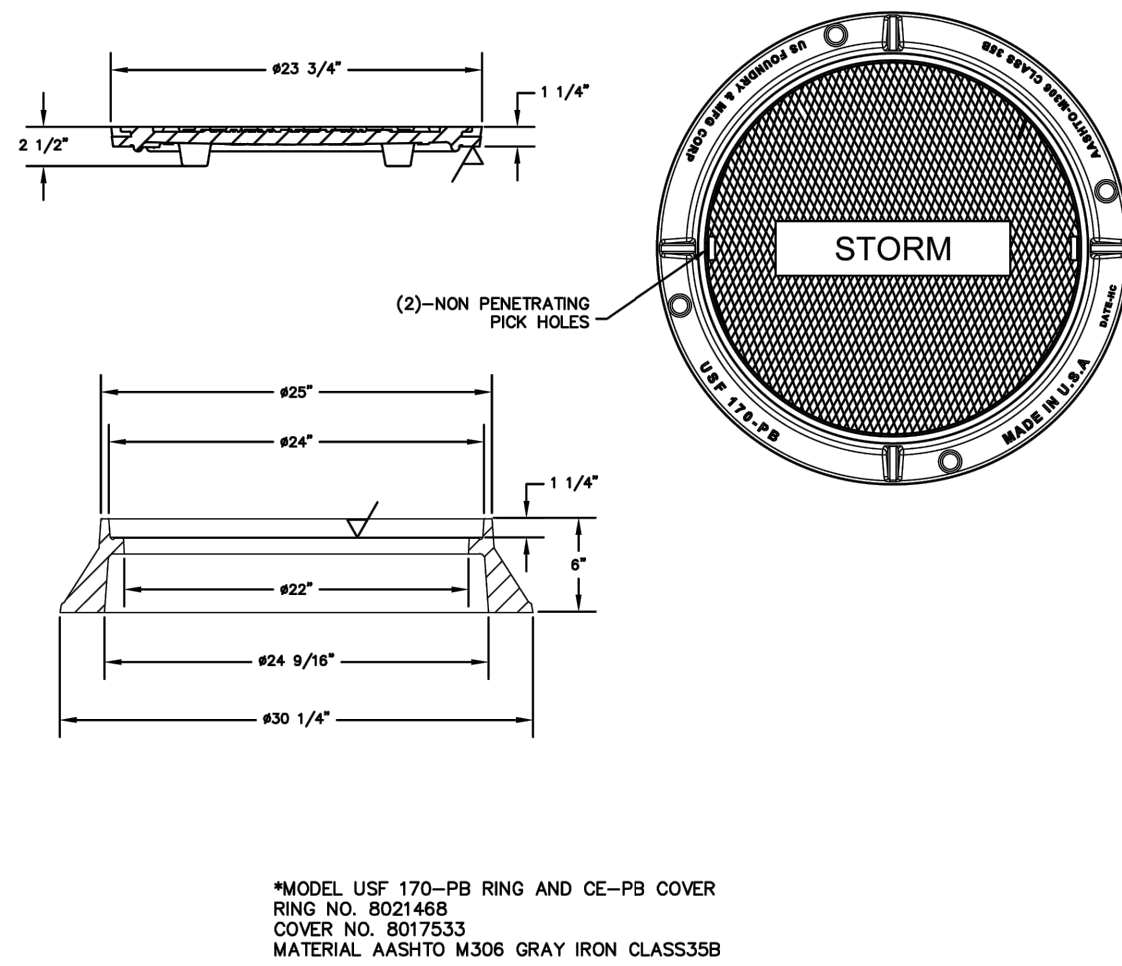
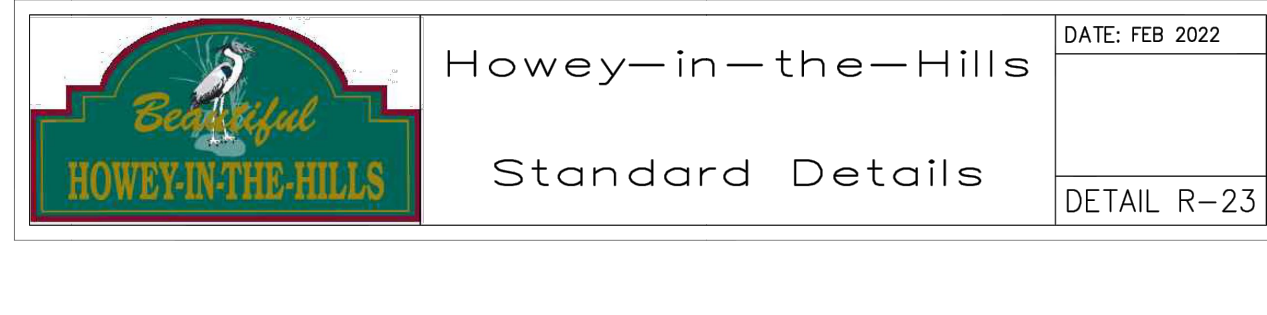
CONCRETE SIDEWALK DETAIL  
NOT TO SCALE



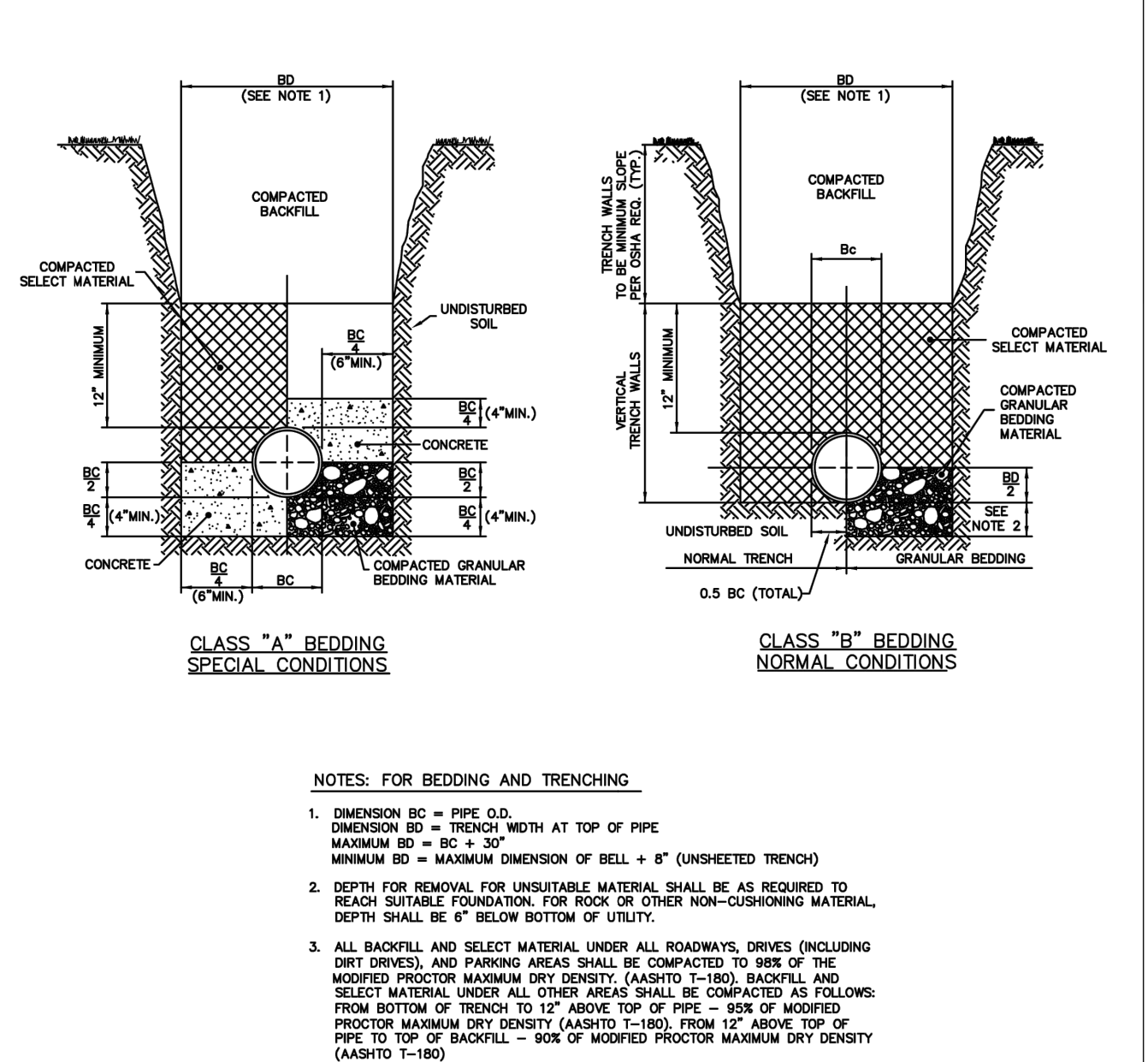
EROSION & SEDIMENT CONTROL  
(N.T.S.)



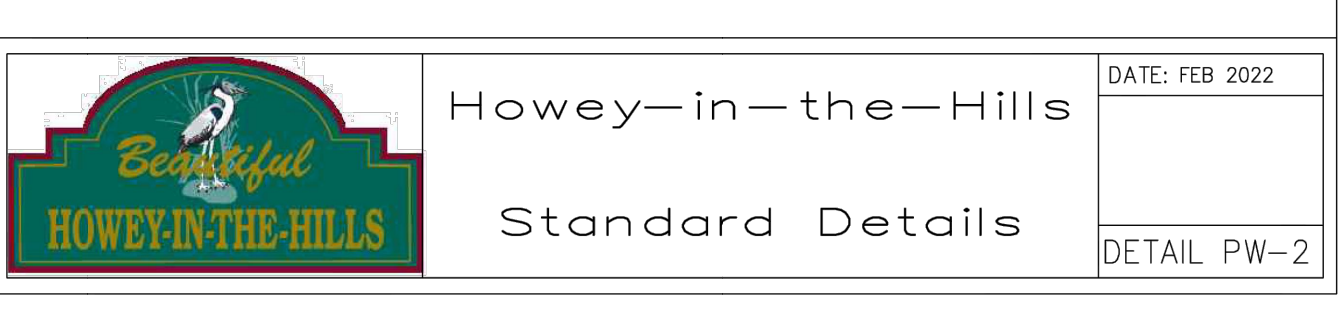
TEMPORARY CONSTRUCTION ENTRANCE (N.T.S.)



STORMWATER MANHOLE COVER  
NOT TO SCALE



TRENCHING AND BEDDING  
NOT TO SCALE

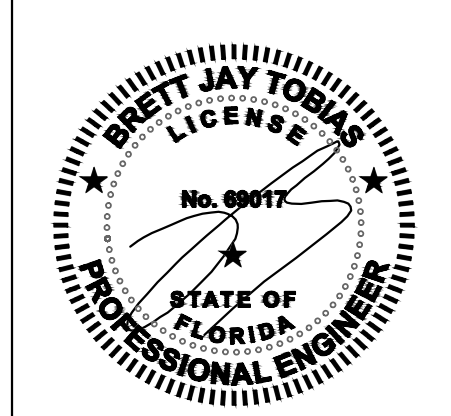


WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741



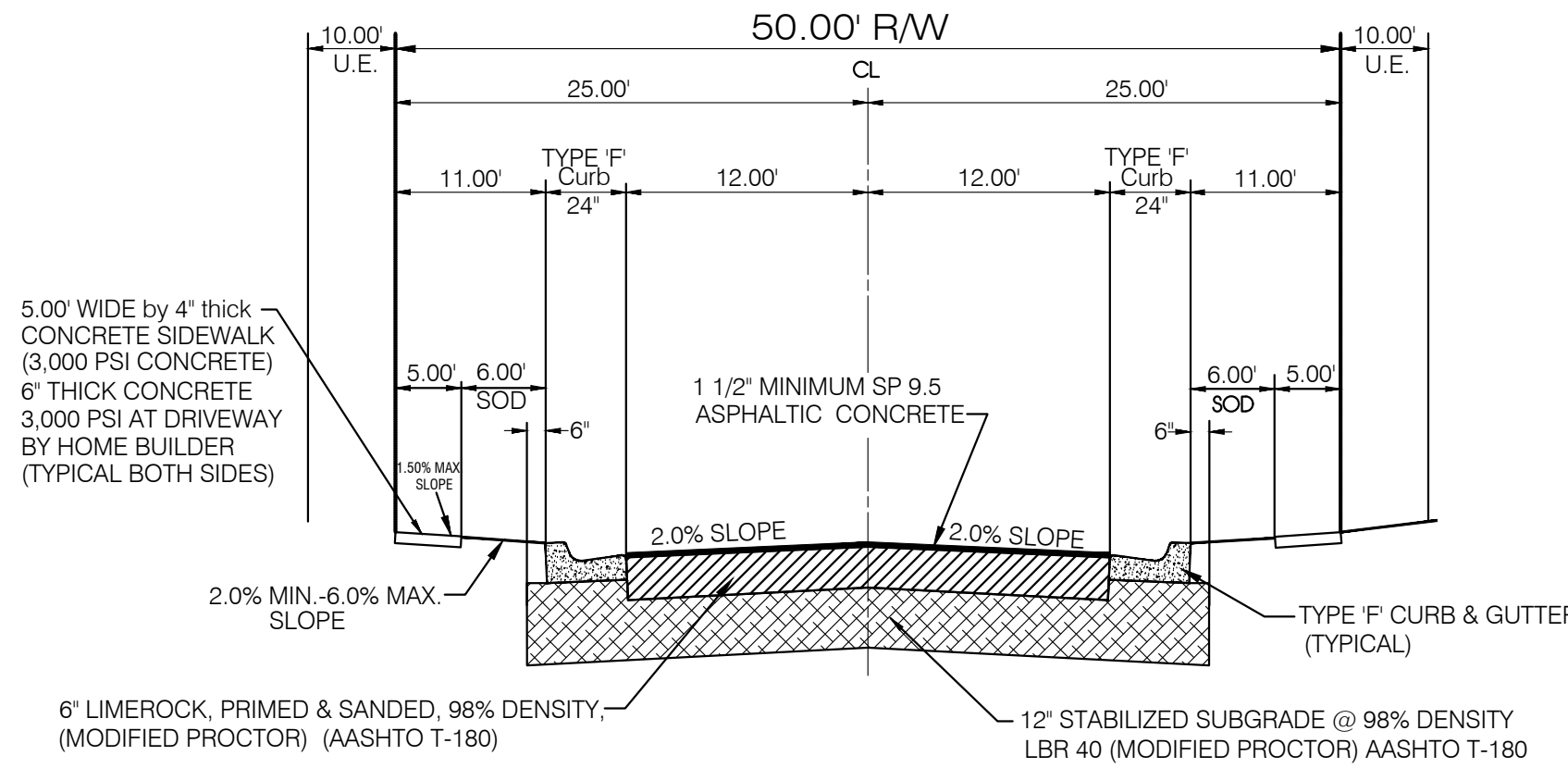
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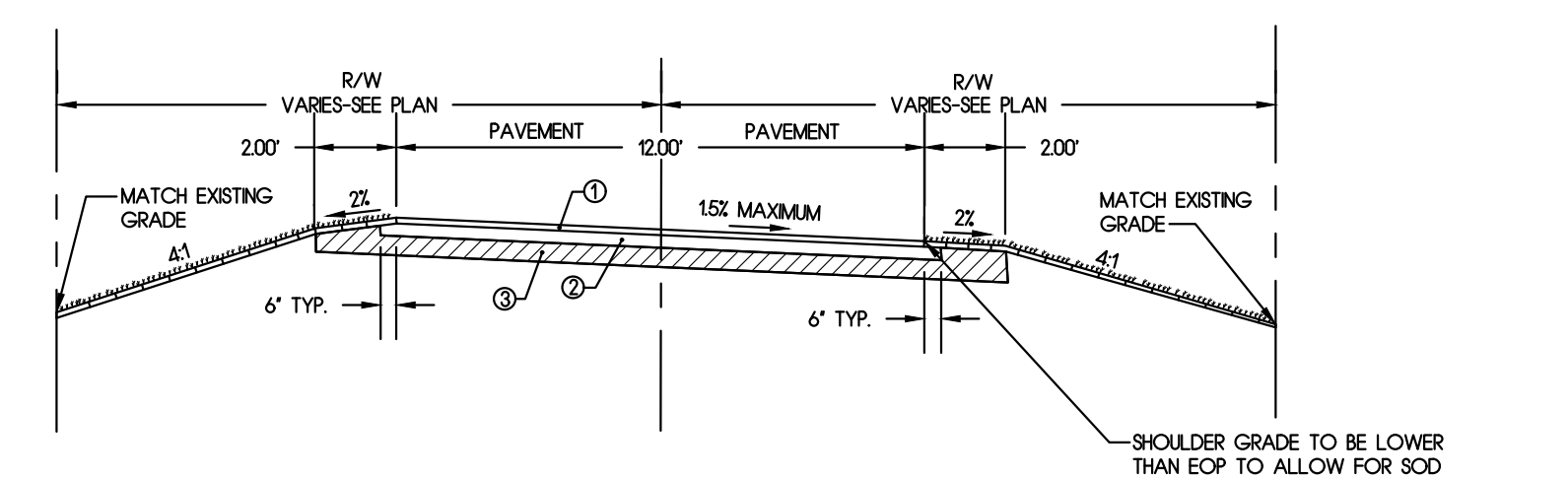
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7/29/25  
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FIRM OR BUSINESS NO. STATE

PROJECT NO.: 45548.003  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 1'  
SHEET TITLE:  
PAVING & DRAINAGE DETAILS





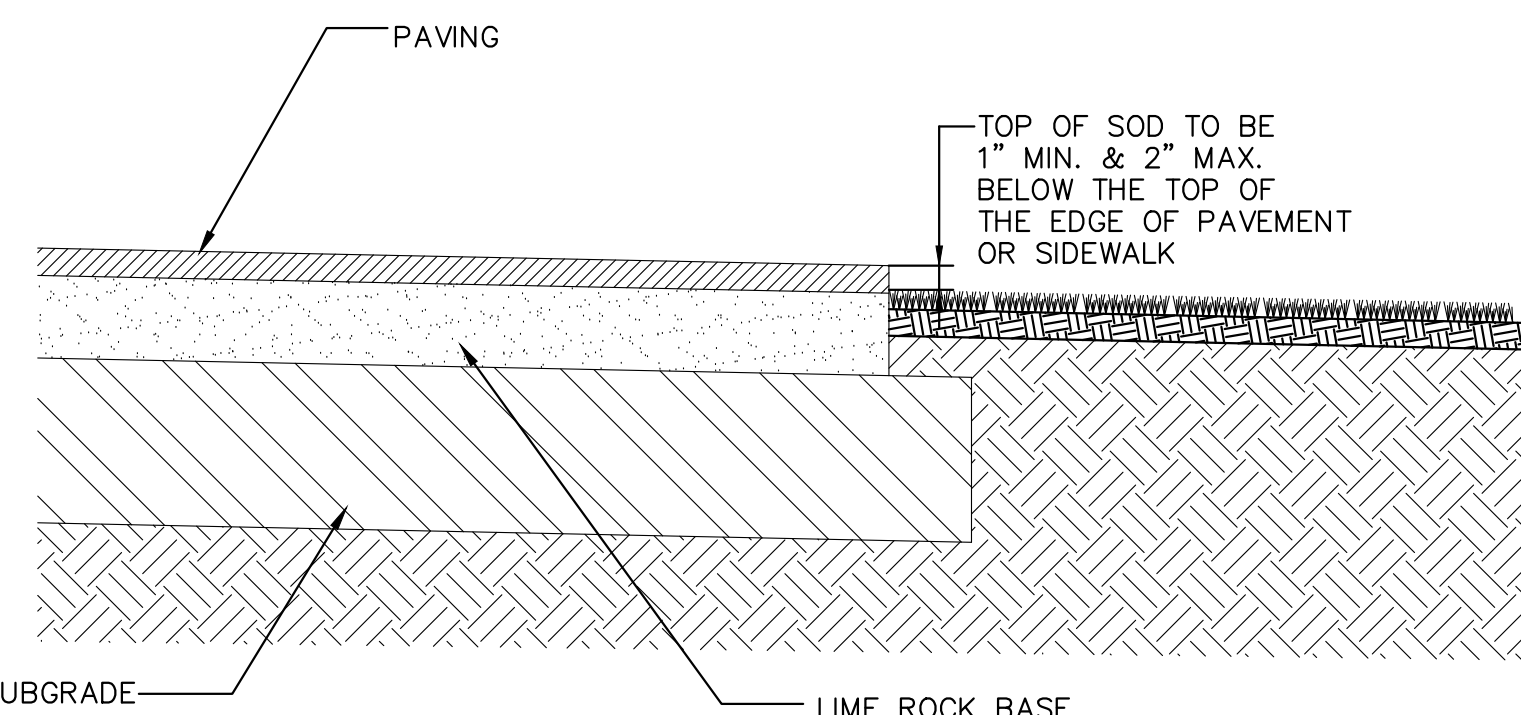
TYPICAL ROAD SECTION  
N.T.S.



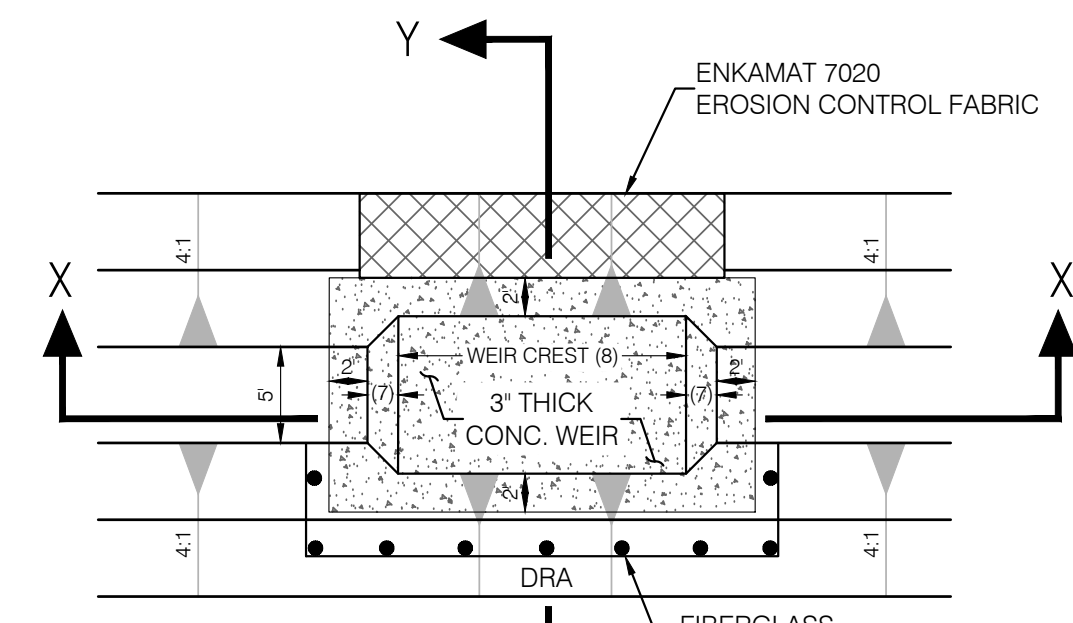
| KEY | THICKNESS | SPECIFICATIONS                                             |
|-----|-----------|------------------------------------------------------------|
| 1   | 15"       | STRUCTURAL ASPHALT, SP. 9.5                                |
| 2   | 6"        | LIMEROCK-98% COMPACTION, AASHTO T-180, PRIME AND SAND      |
| 3   | 12"       | TYPE B STABILIZATION, LBR 40, 98% COMPACTION, AASHTO T-180 |

- NOTES:  
 1. ALL STRIPES TO BE PAINT UNO.  
 2. SOD ALL DISTURBED AREAS.  
 3. CONTRACTOR SHALL USE A MINIMUM TRANSITION SLOPE OF 100 WHEN ROTATING CROSS SLOPE.

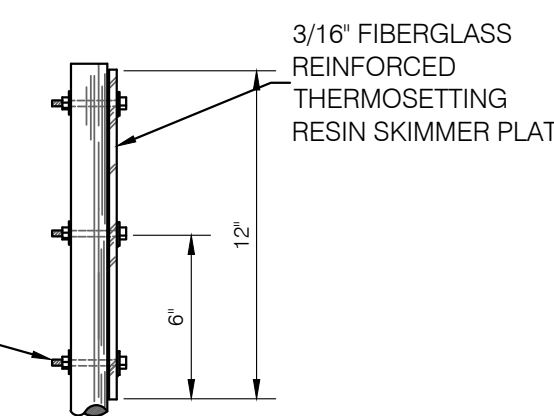
MULTI-USE TRAIL TYPICAL SECTION  
N.T.S.



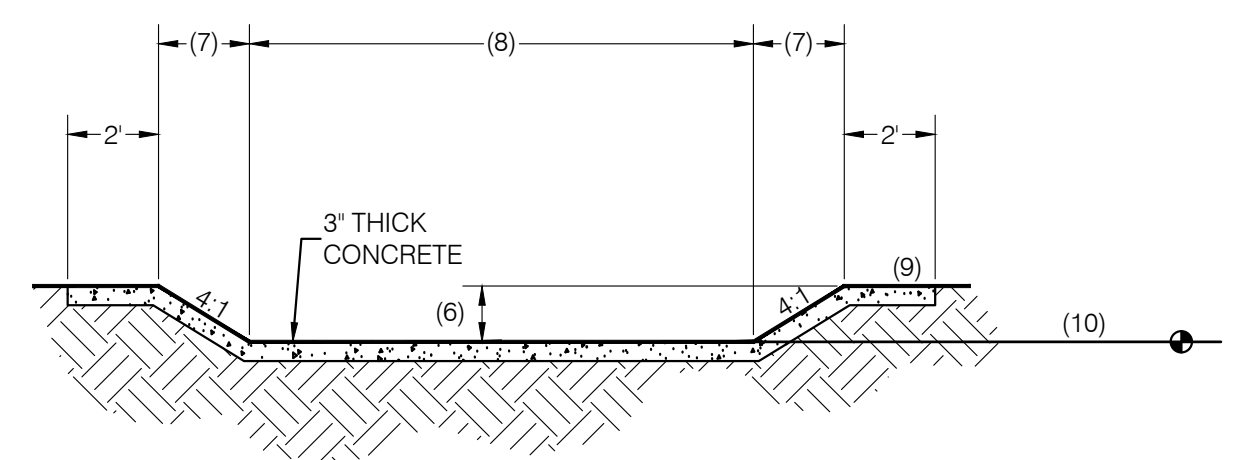
SOD PLANTING  
N.T.S.



PLAN VIEW



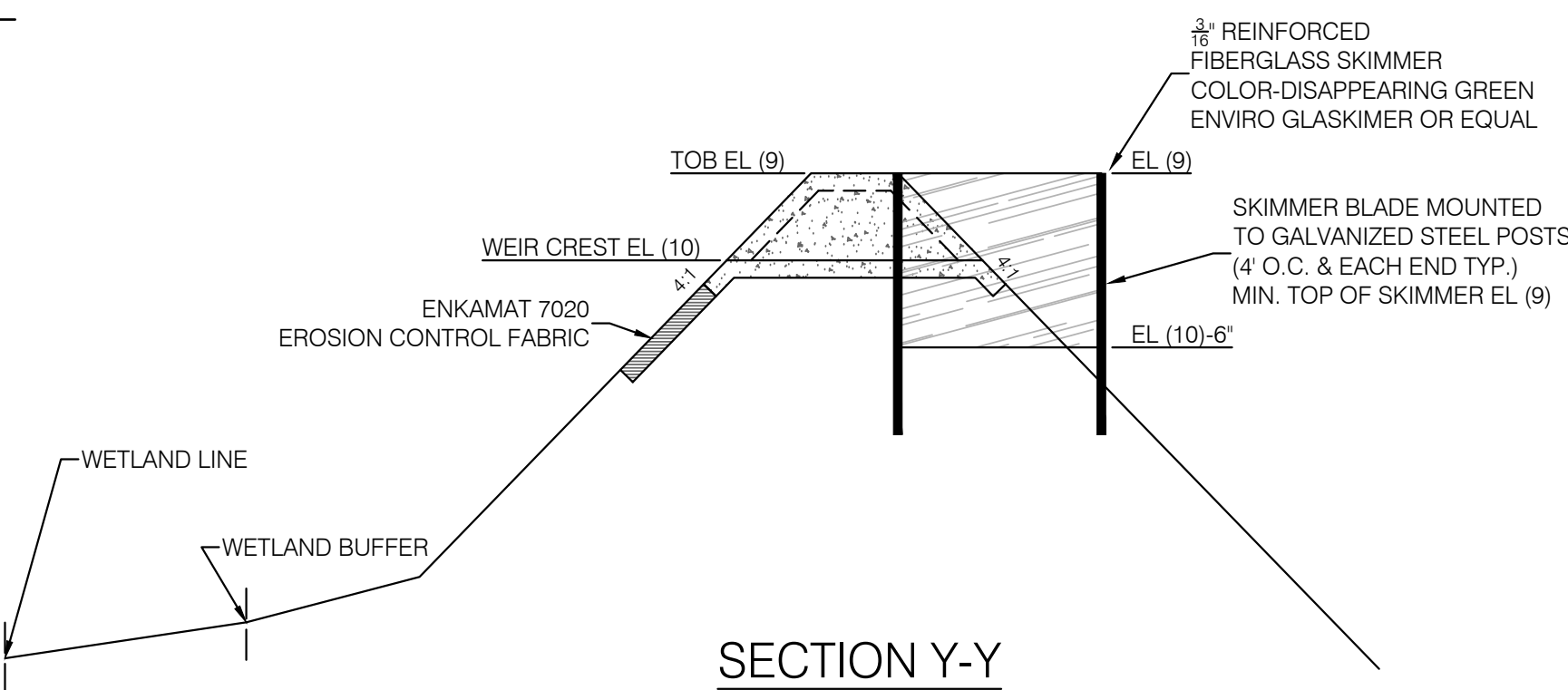
SKIMMER DETAIL



TYPICAL WEIR SECTION  
NOT TO SCALE

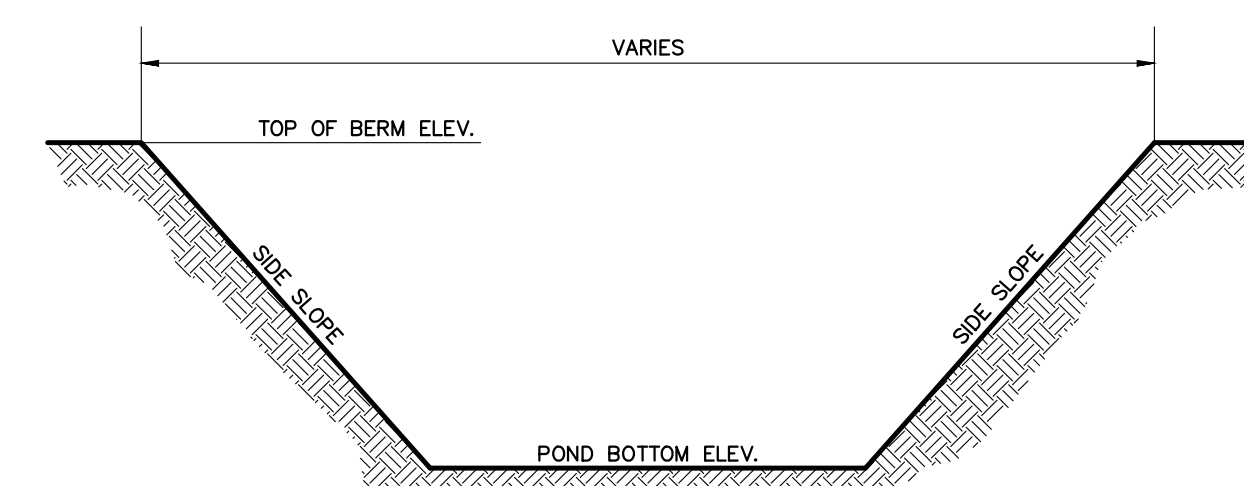
|        | (6) (F.T.) | (7) (F.T.) | (8) (F.T.) | (9) (ELEV.) | (10) (ELEV.) |
|--------|------------|------------|------------|-------------|--------------|
| DRA 3  | 2.25       | 9.00       | 10.00      | 90.00       | 87.75        |
| DRA 5  | 1.75       | 7.00       | 10.00      | 94.00       | 92.25        |
| DRA 5A | 1.25       | 5.00       | 10.00      | 92.00       | 90.75        |

SECTION X-X



SECTION Y-Y

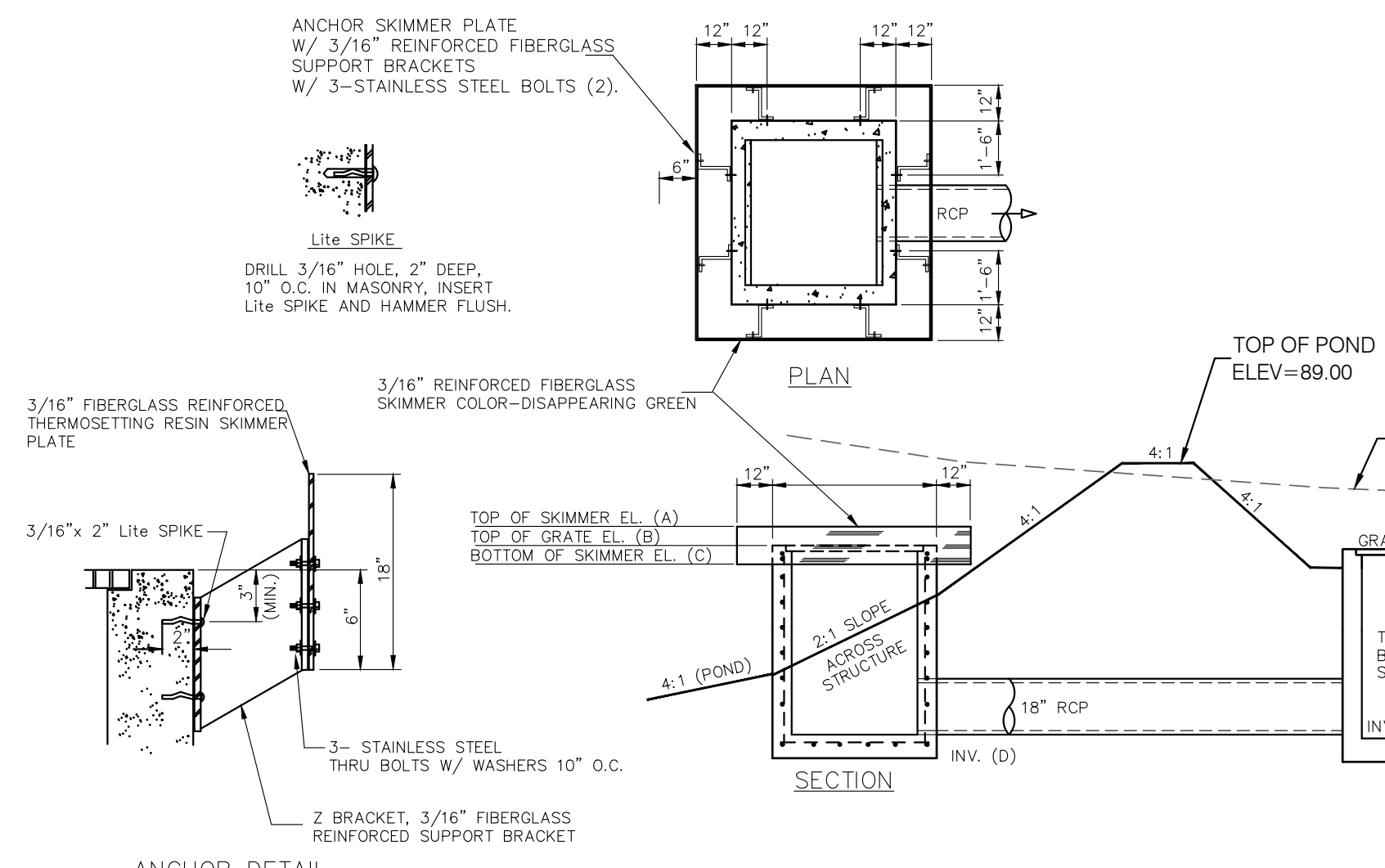
WEIR DETAIL  
NOT TO SCALE



TYPICAL POND SECTION

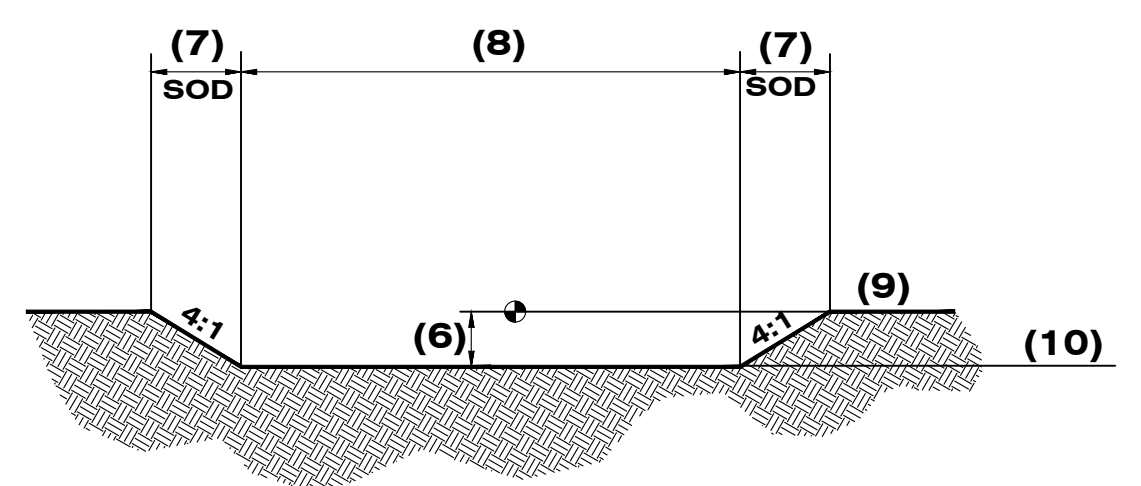
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|----------|-------------------|------------|------------------------|--------------|
| DRA 1    | 89.00             | 84.00      | 88.17                  | 4:1          |
| DRA 2    | 89.00             | 84.00      | 88.20                  | 4:1          |
| DRA 3    | 90.00             | 85.00      | 88.38                  | 4:1          |
| DRA 4    | 125.00            | 120.00     | 123.47                 | 4:1          |
| DRA 5    | 94.00             | 89.00      | 92.49                  | 4:1          |
| DRA 5A   | 92.00             | 87.00      | 90.85                  | 4:1          |

- NOTE:  
SOD ALL SIDE SLOPES  
SEED AND MULCH BOTTOM
- NOTES:  
 1. MAXIMUM SIDE SLOPES NOT TO EXCEED 4:1.



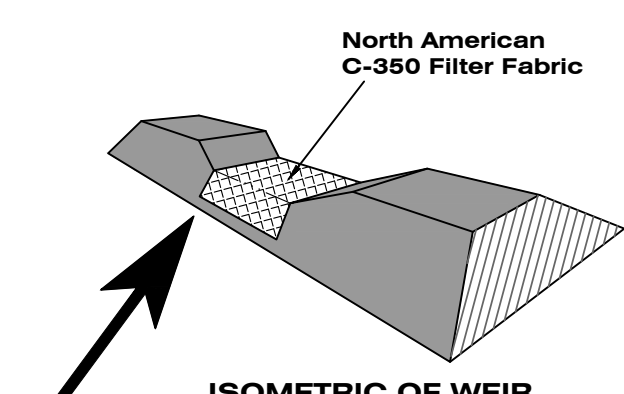
CONTROL STRUCTURE INLET  
FDOT TYPE C-DBI  
w/ SKIMMER DETAIL  
F.D.O.T. INDEX #425-052

| POND NO. | INLET TYPE | A     | B     | C     | D     | E     | F     |
|----------|------------|-------|-------|-------|-------|-------|-------|
| DS-PB-1  | C          | 87.75 | 87.25 | 86.75 | 82.33 | 82.00 | 85.25 |

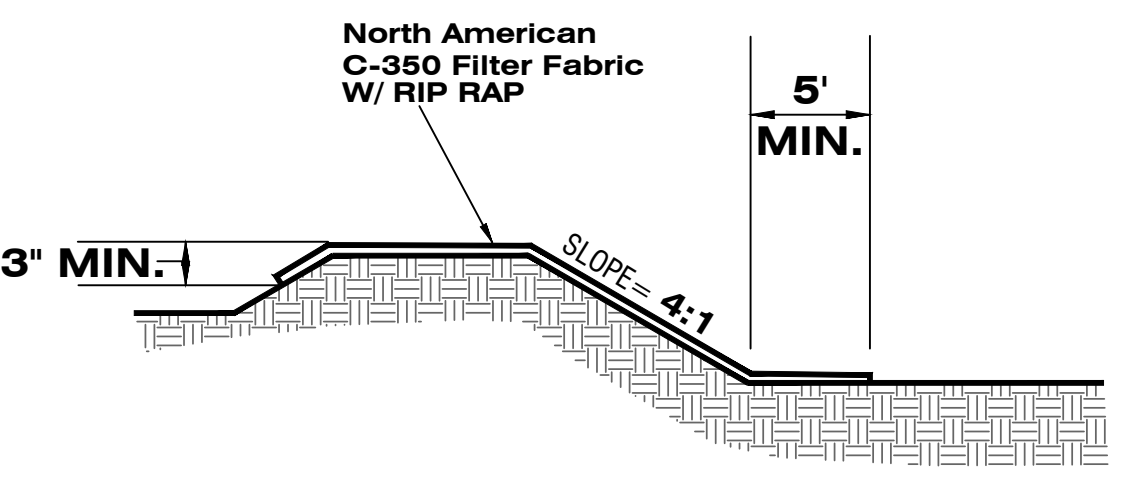


TYPICAL EMERGENCY GRASS WEIR SECTION

| WEIR SECTION DATA | (6) (ft) | (7) (ft) | (8) (ft) | (9) (elev) | (10) (elev) |
|-------------------|----------|----------|----------|------------|-------------|
| WR-PB-4           | 0.25'    | 1.00'    | 10.00'   | 125.00     | 124.75      |



ISOMETRIC OF WEIR  
WEIR CREST EL. = SEE PLAN



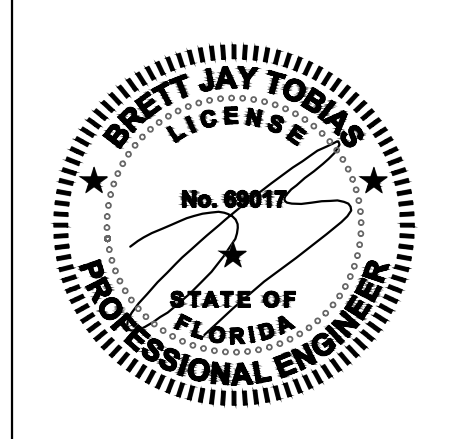
GRASS WEIR SECTION  
N.T.S.

WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741



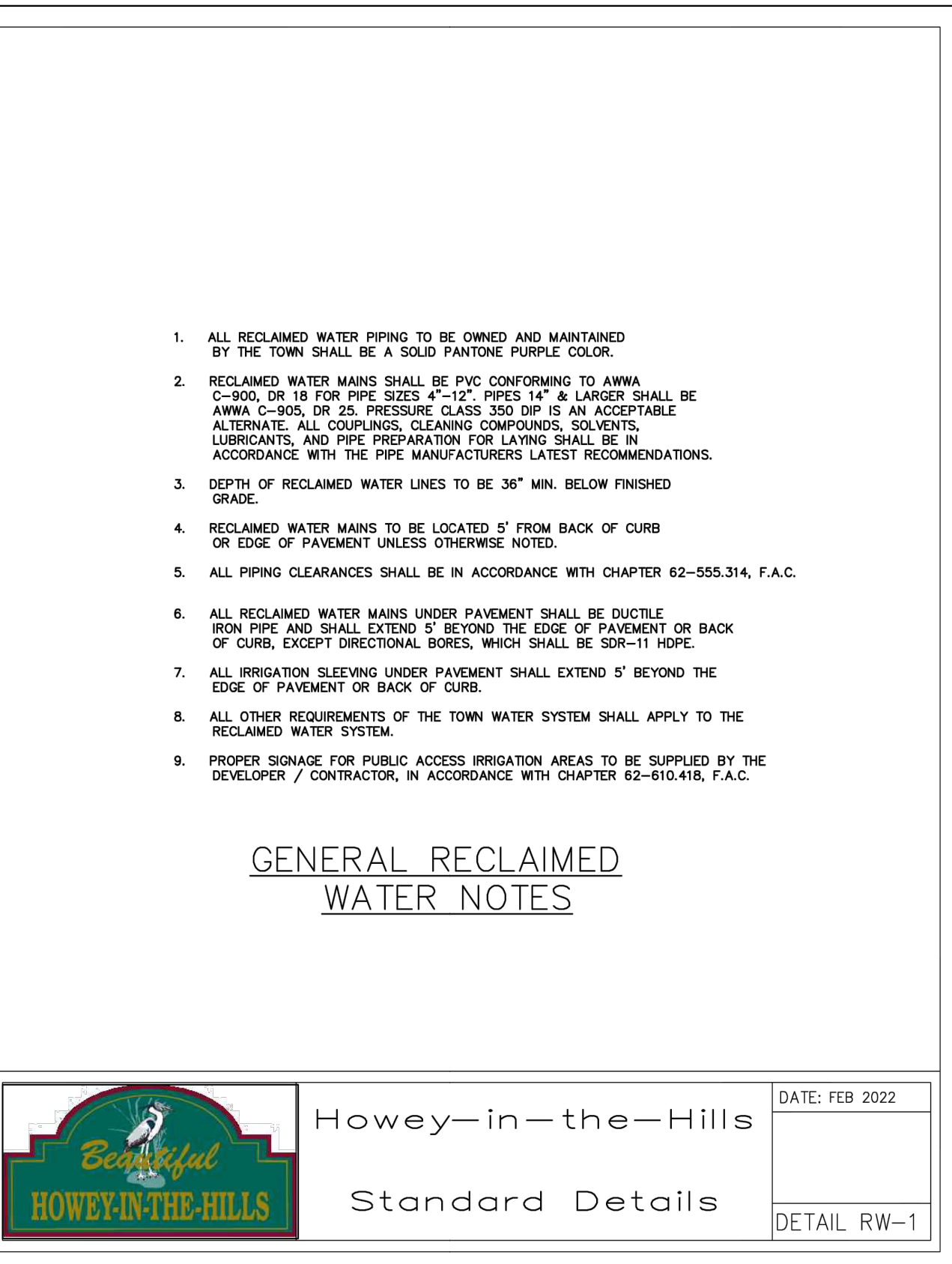
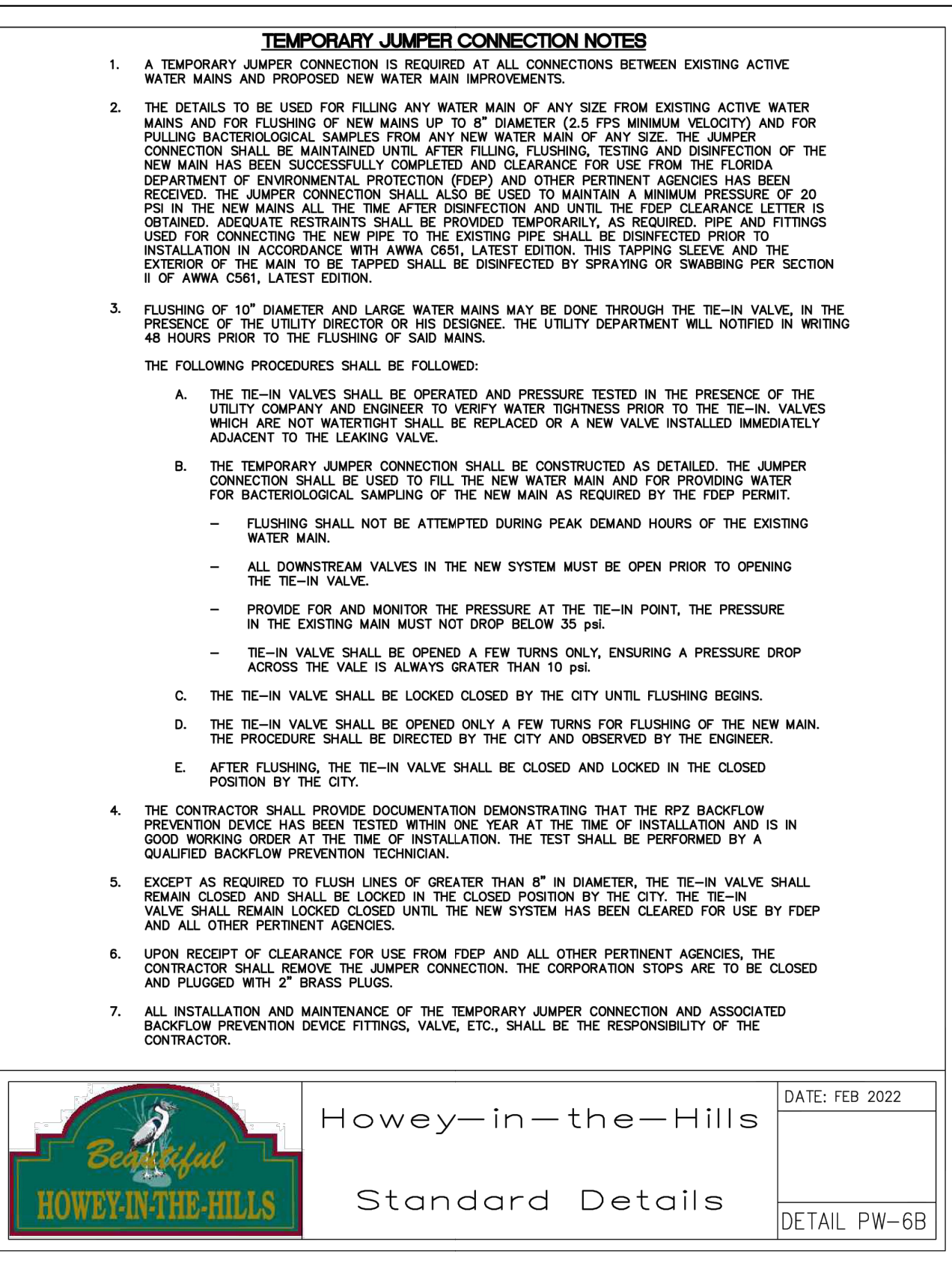
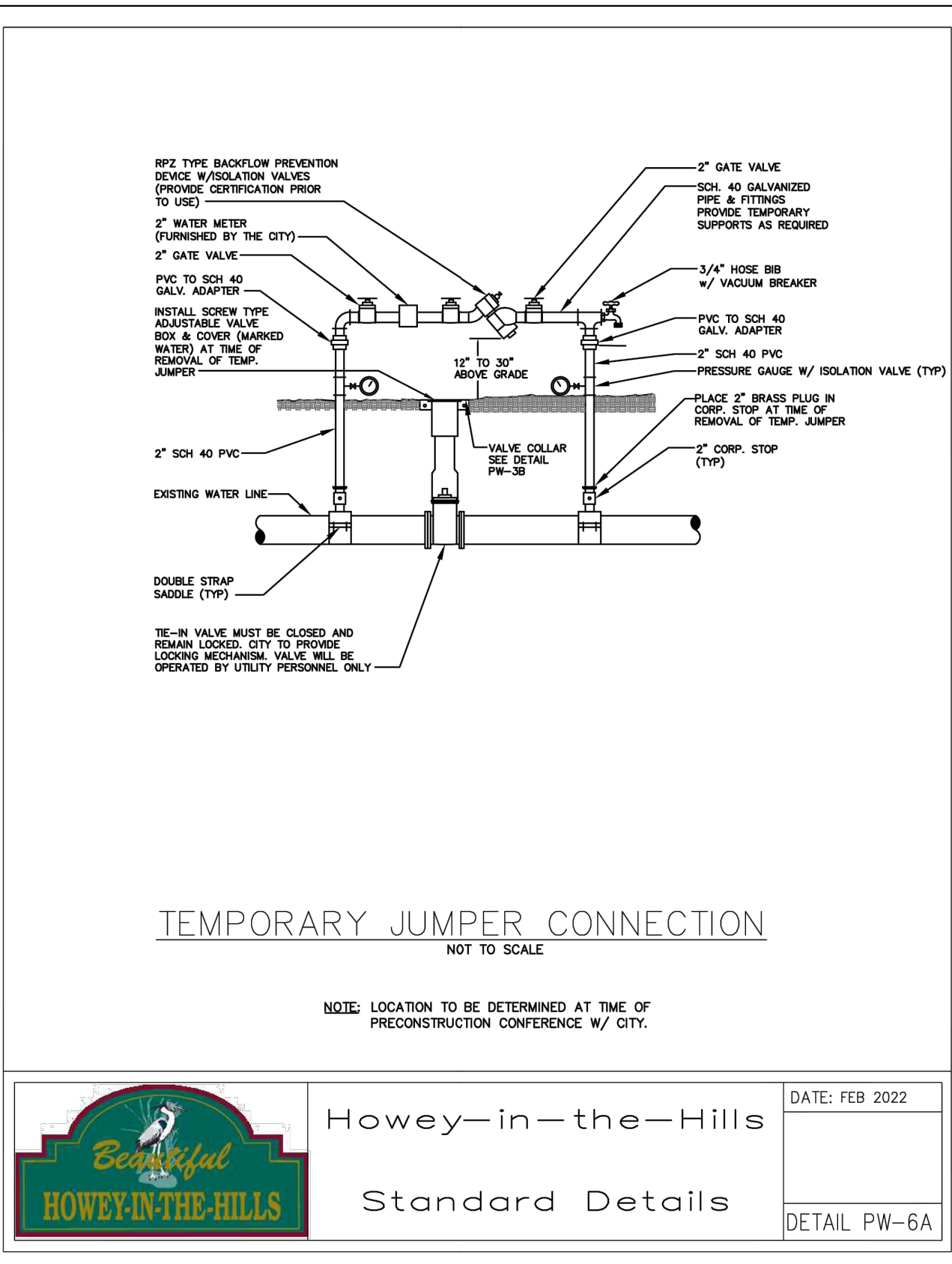
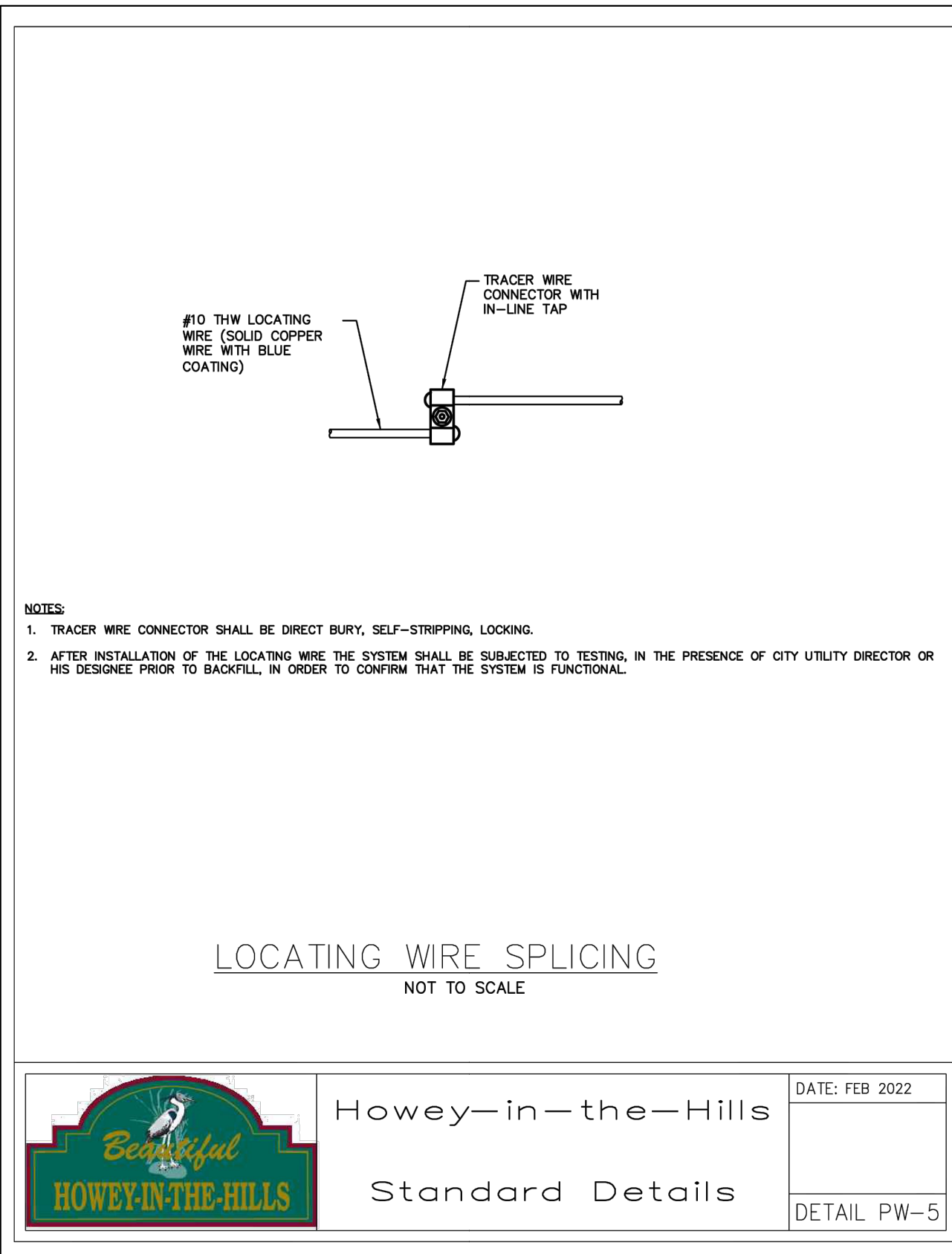
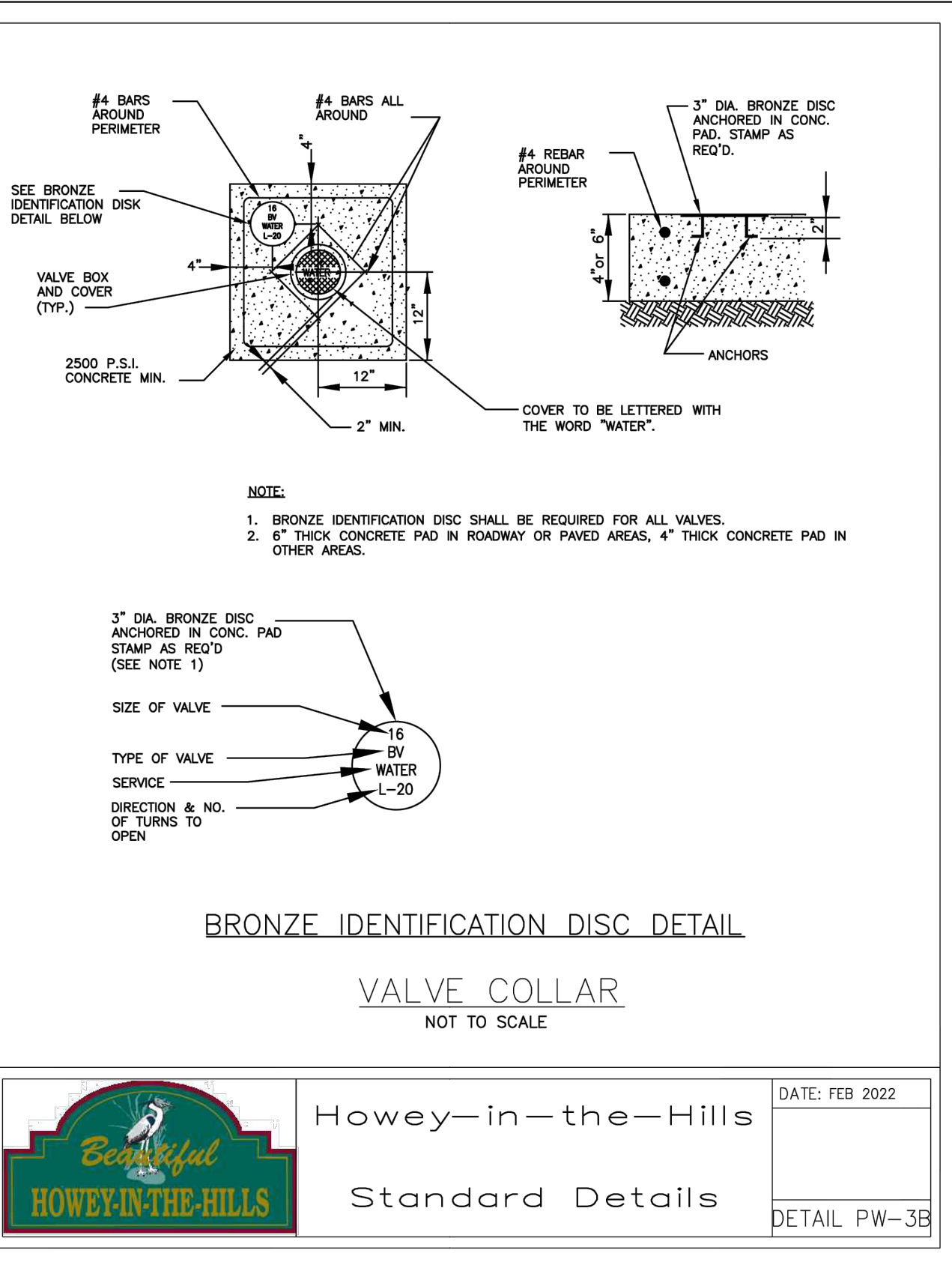
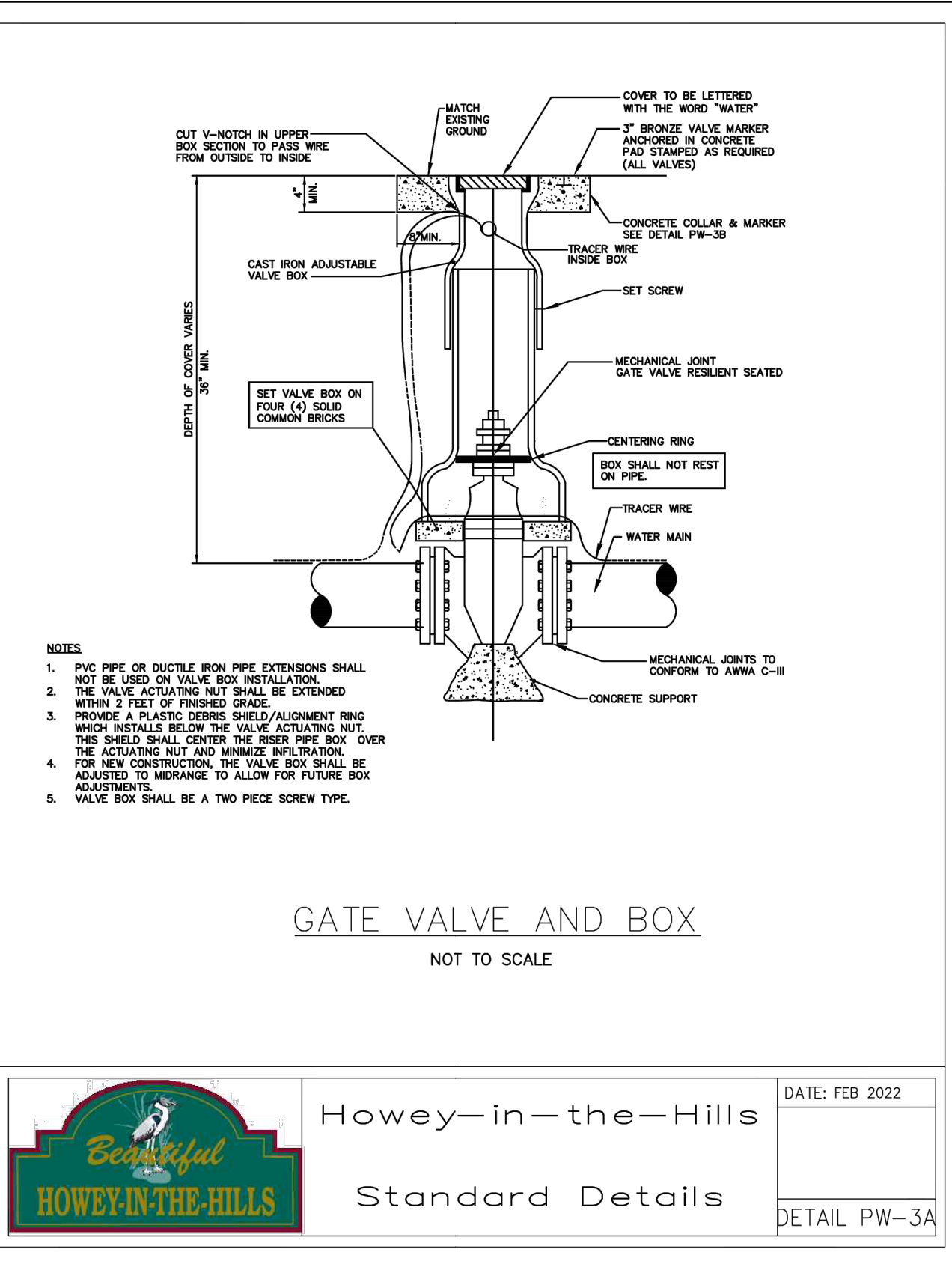
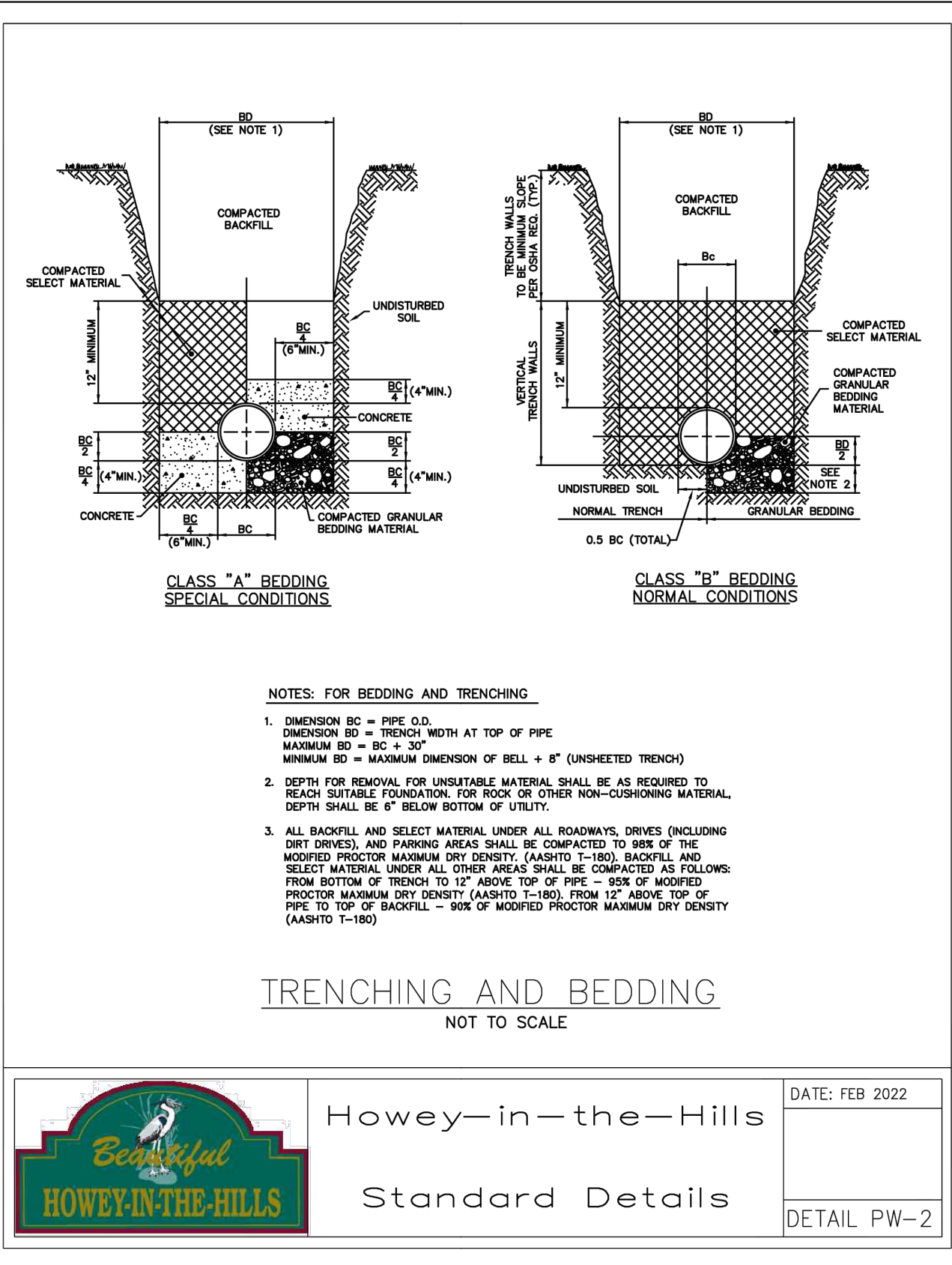
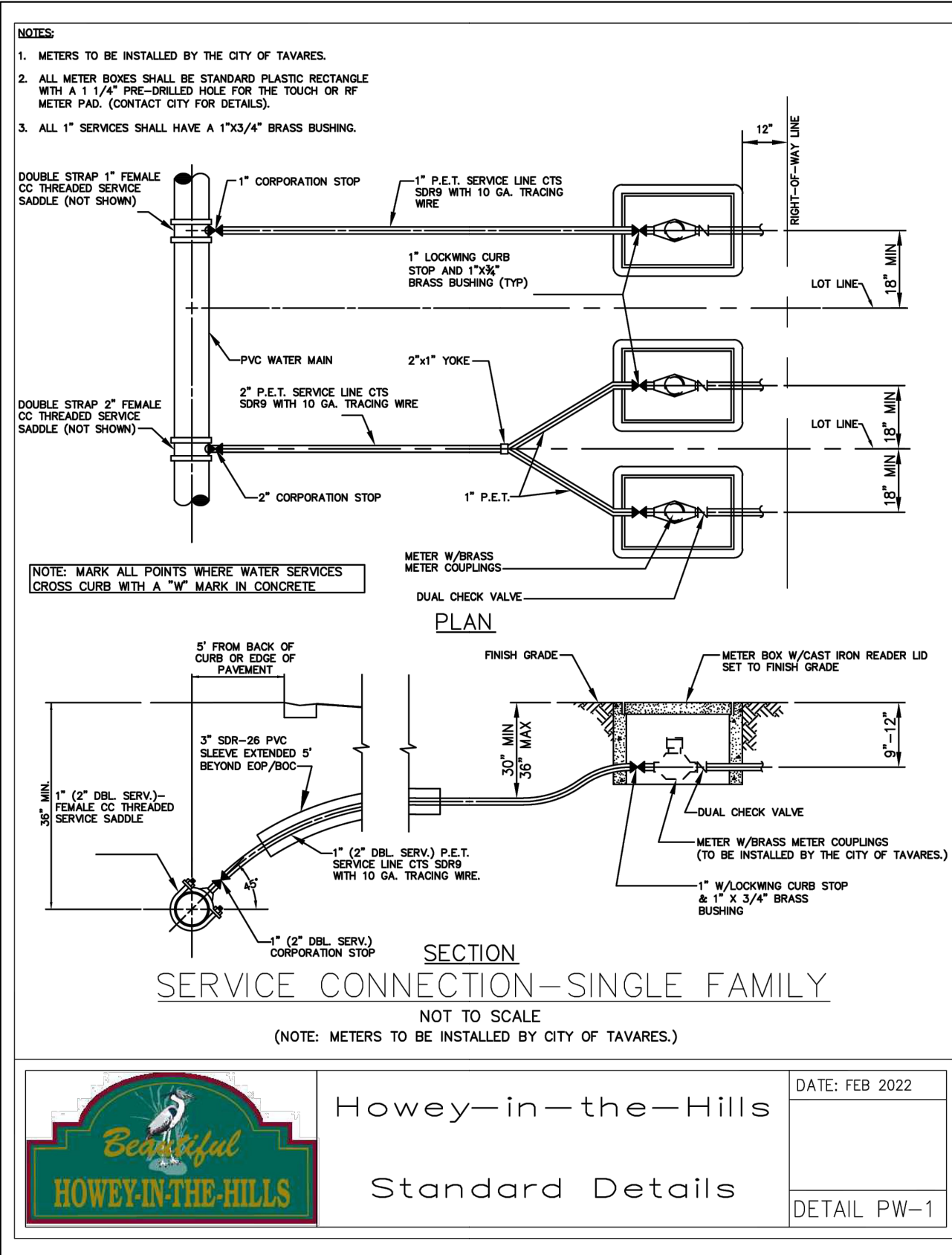
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 HALFF ASSOCIATES, INC.  
 HALFF ASSOCIATES, INC. FL  
 FIRM OR BUSINESS NO. STATE

PROJECT NO.: 45548.003  
 ISSUED: JULY 2025  
 DRAWN BY: SPH  
 CHECKED BY: BJT  
 SCALE: 1" = 1'  
 SHEET TITLE:  
 PAVING & DRAINAGE DETAILS





WATERMARK PH.1 & MASTER GRADING PLANS

TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVIEWS ROAD INVESTORS, LLC

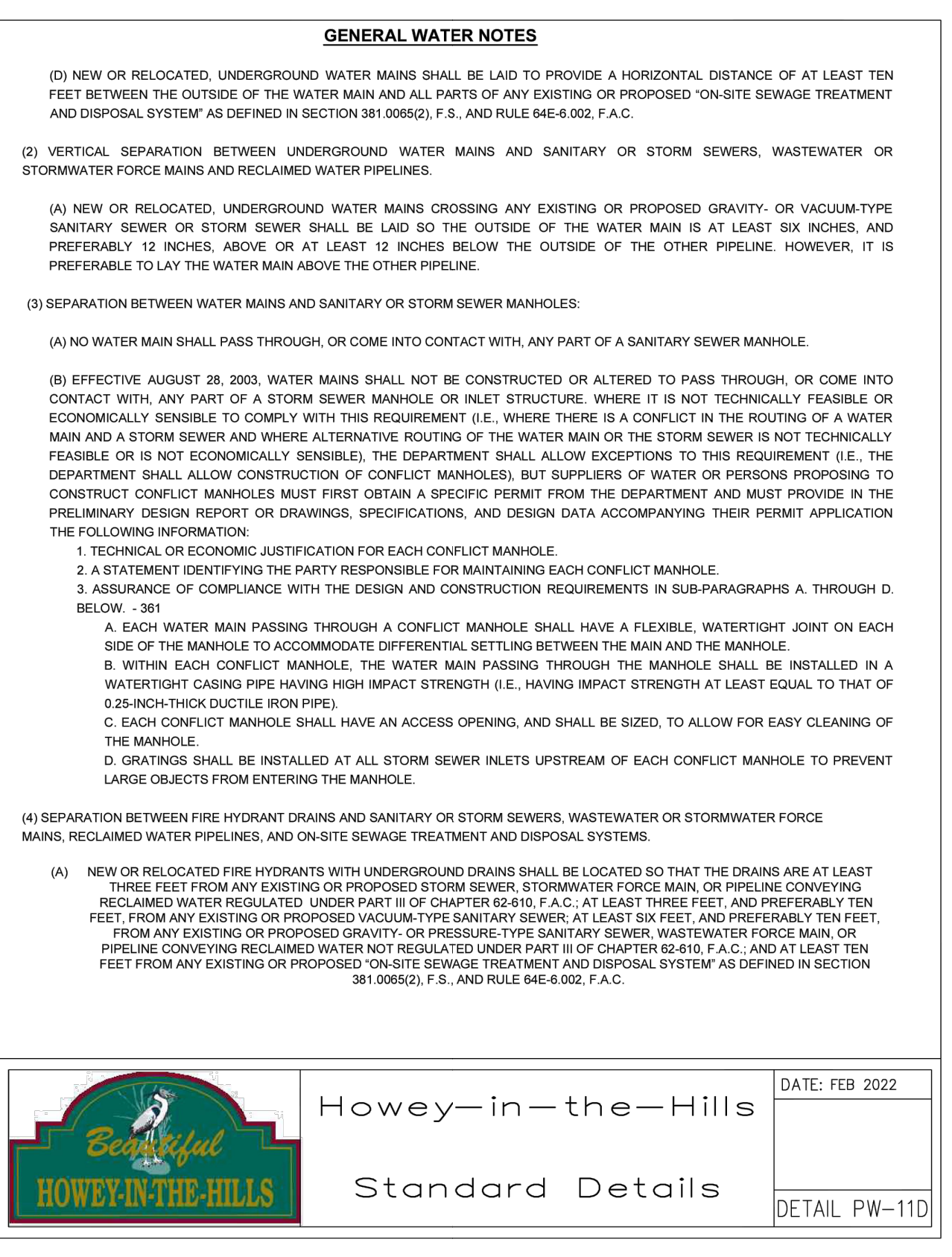
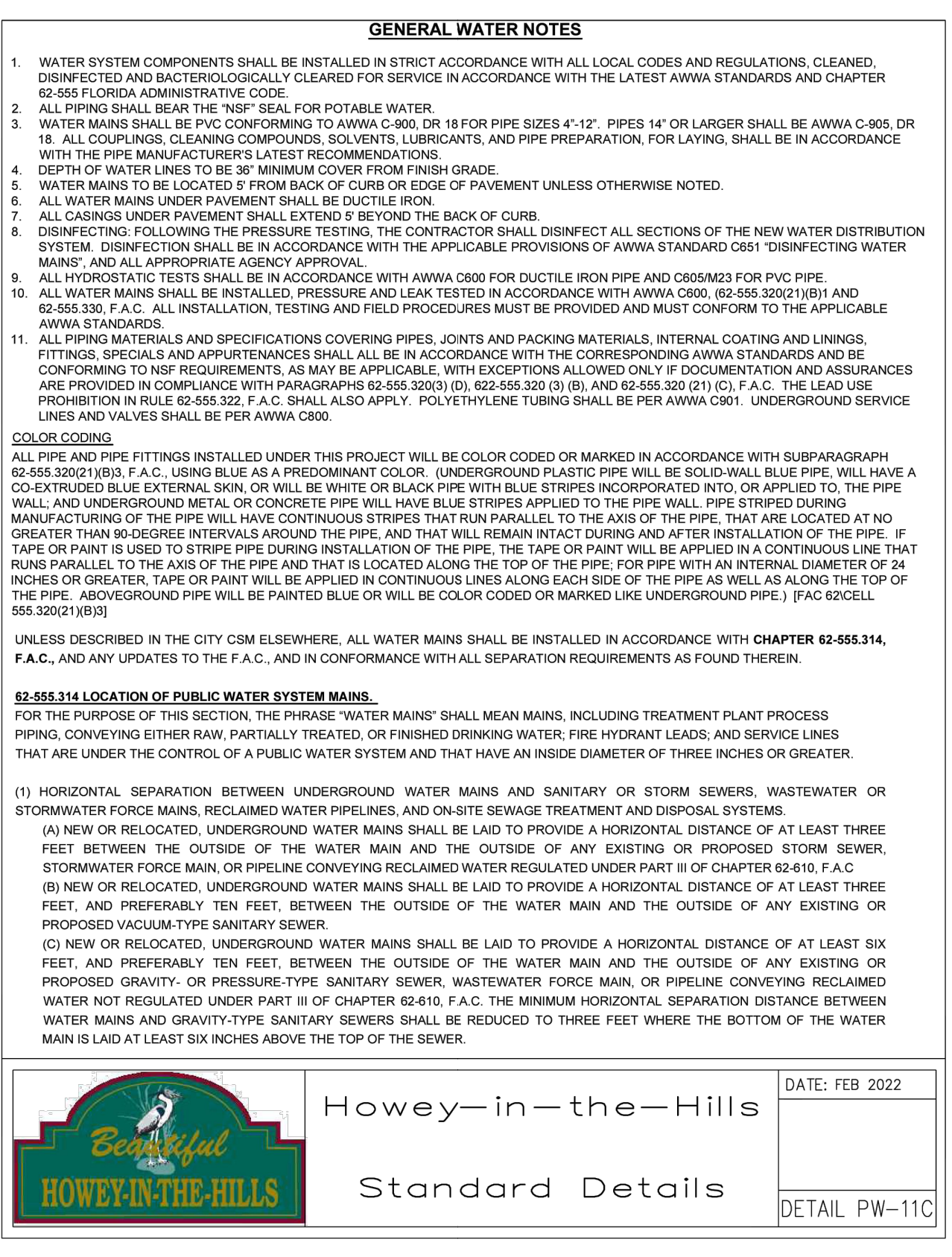
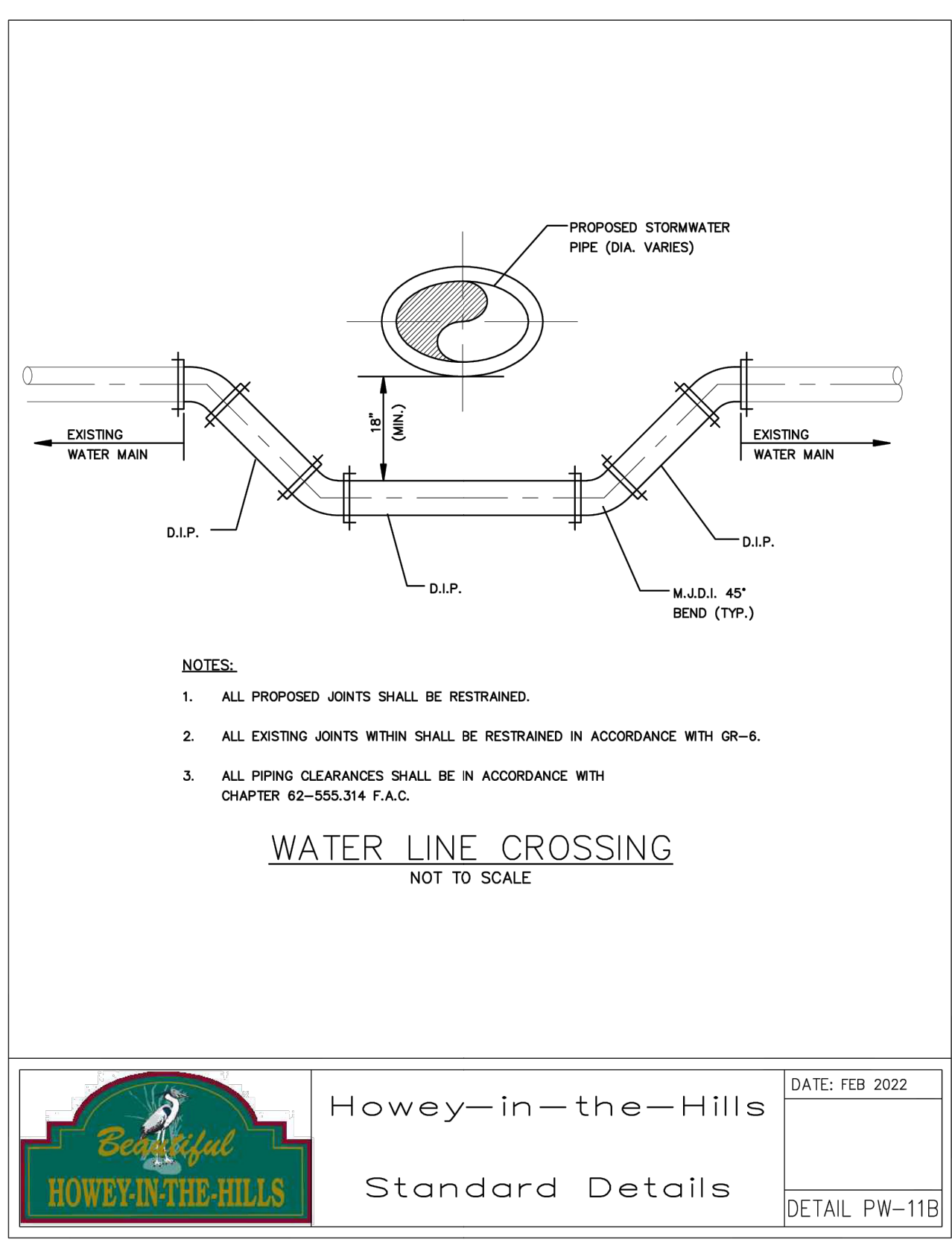
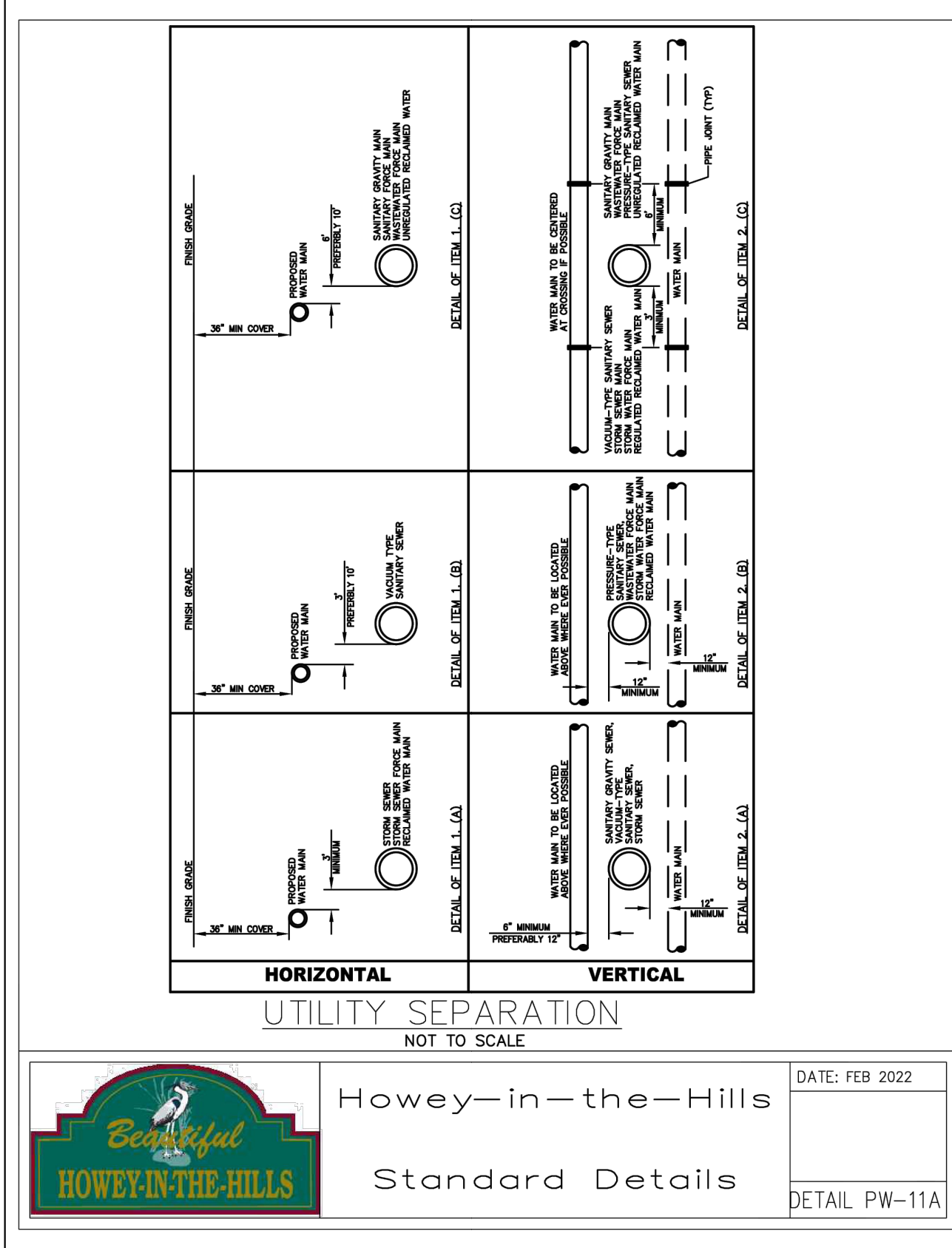
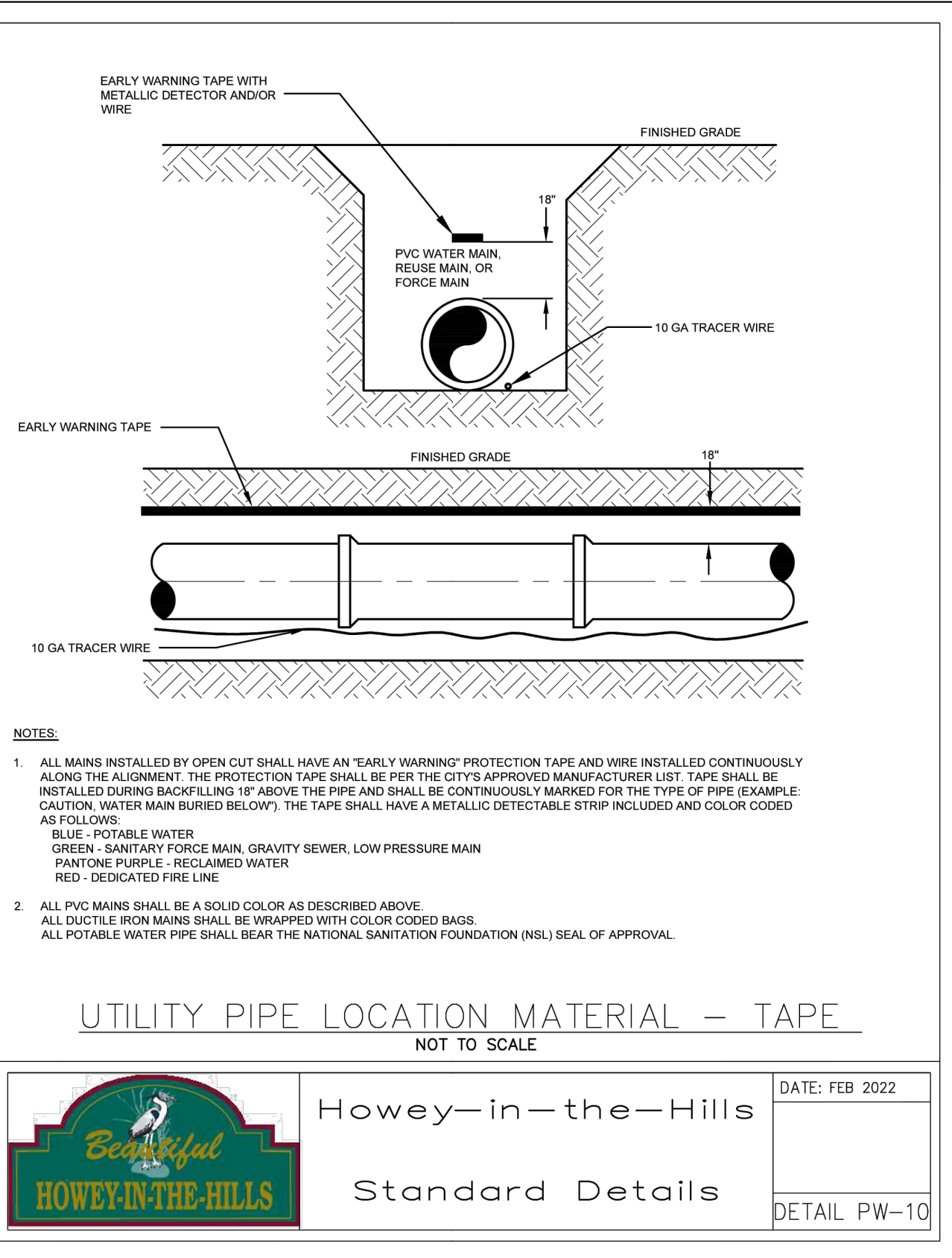
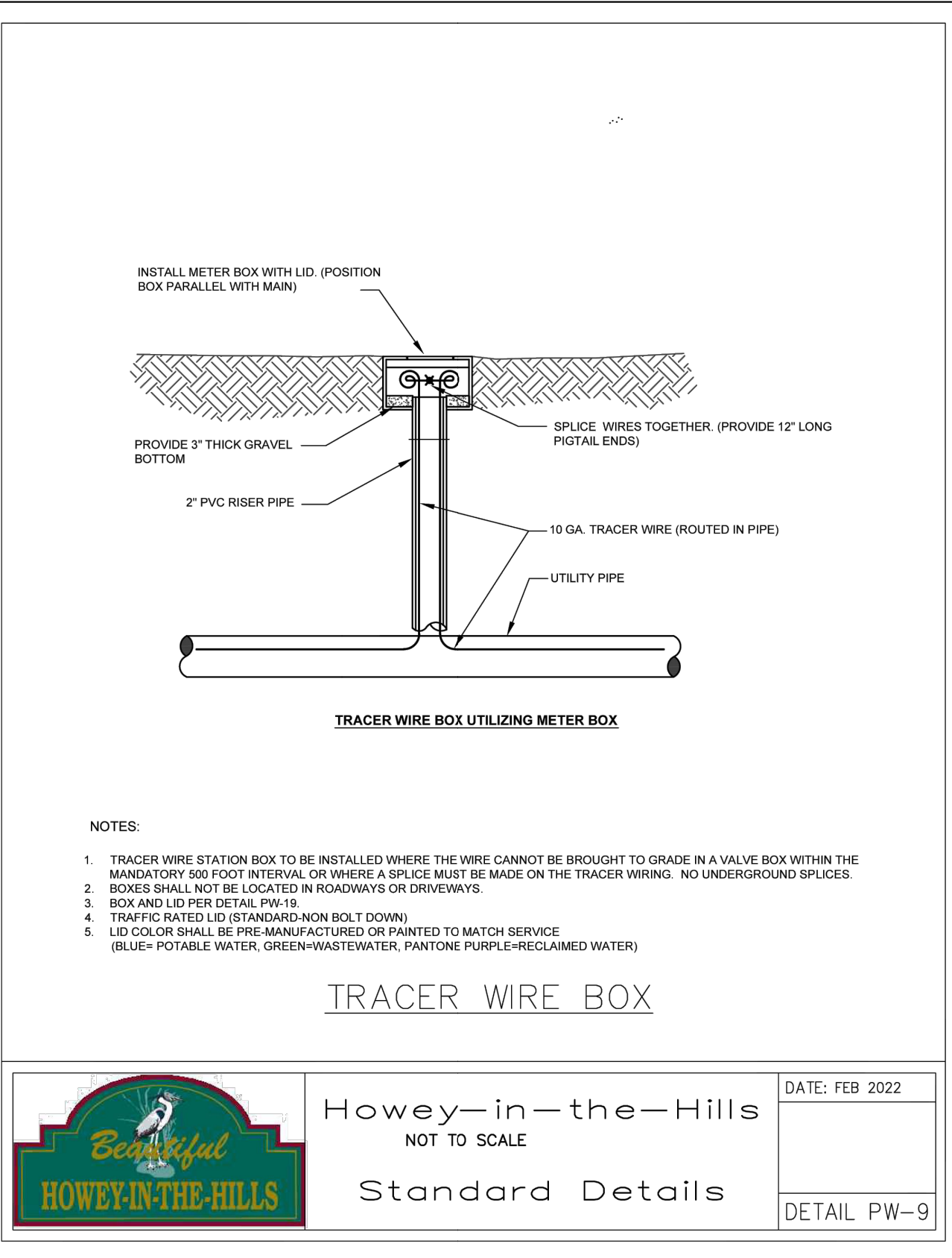
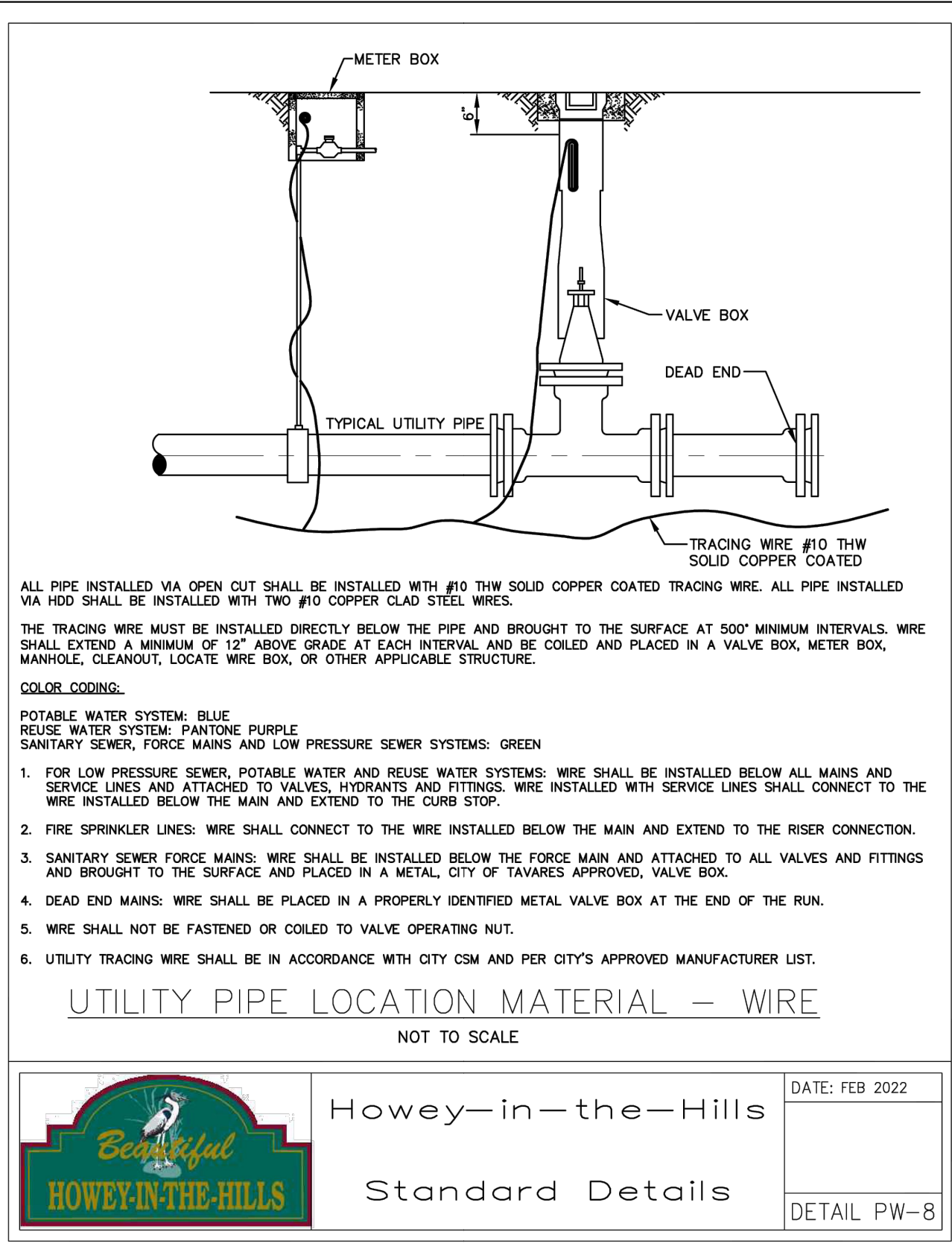
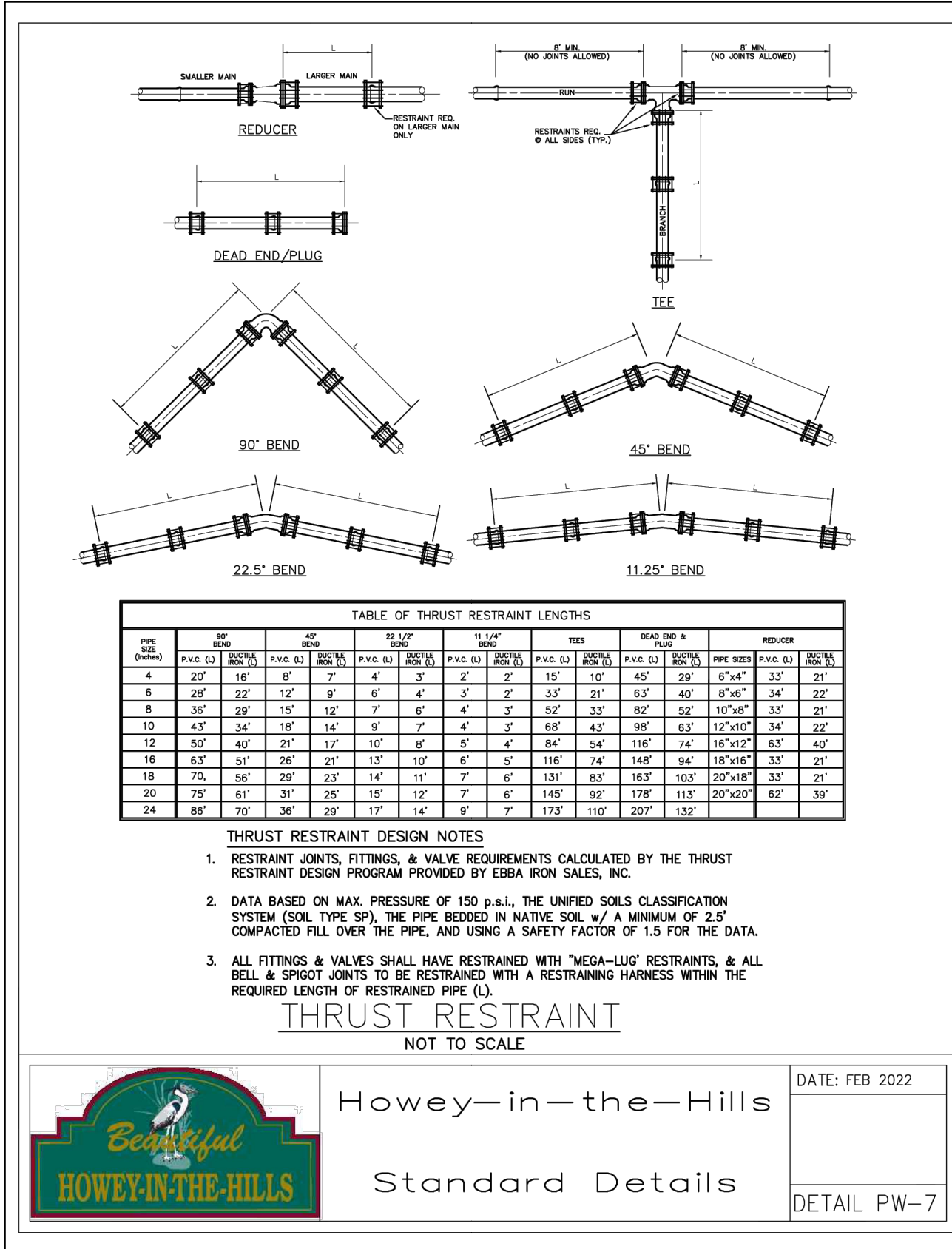
210 Hanger Rd.  
Kissimmee, FL 34741

802 NORTH SUGAR LAKE AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

| REVISION | NO. | DATE | DESCRIPTION |
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PROJECT NO.: 45548.003  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 1'  
SHEET TITLE:  
WATER  
DETAILS  
C-900





WATERMARK PH.1 & MASTER GRADING PLANS

TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC

210 Hangar Rd.  
Kissimmee, FL 34741

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802 NORTH SINGULAR AVE  
TAVARES, FLORIDA 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

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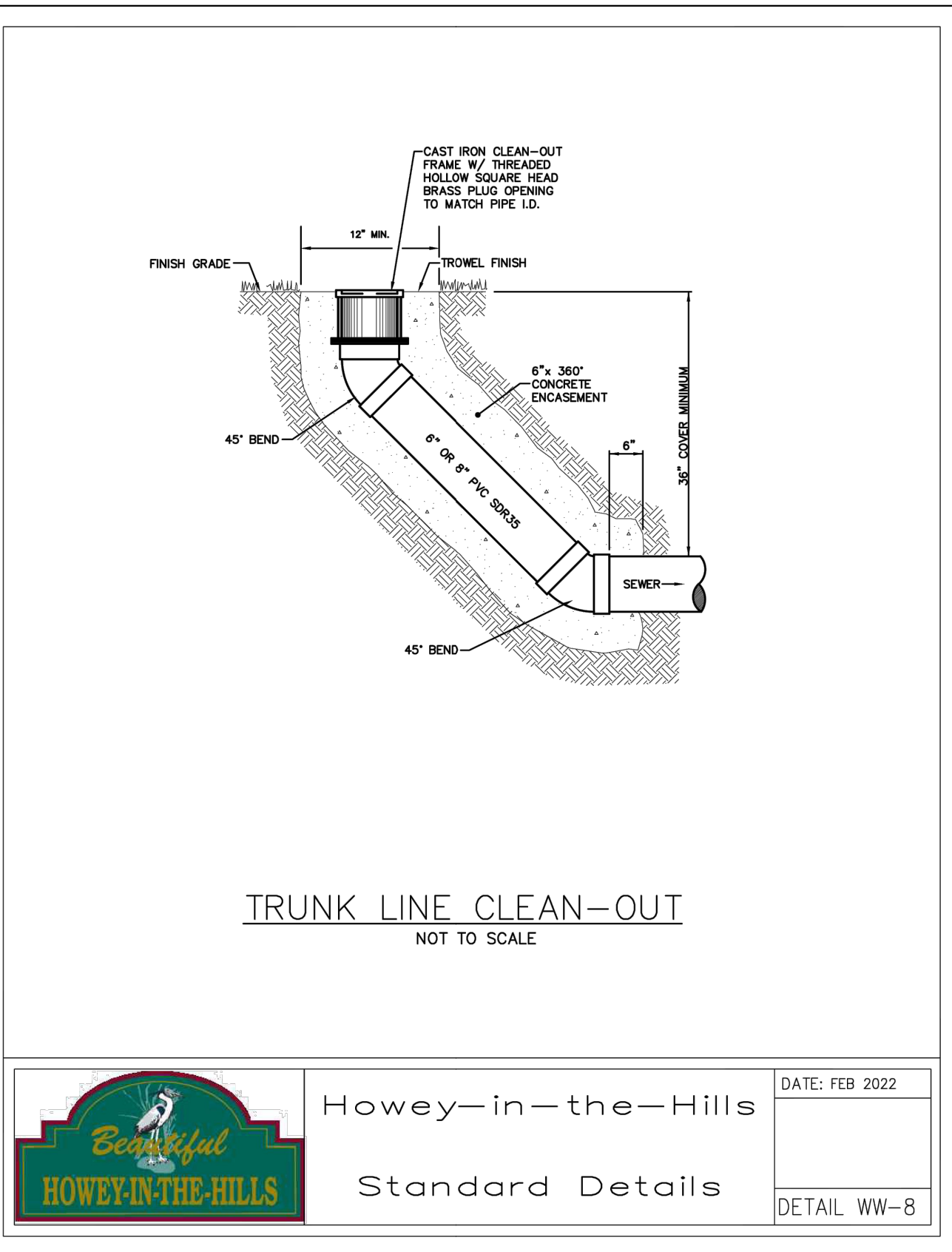
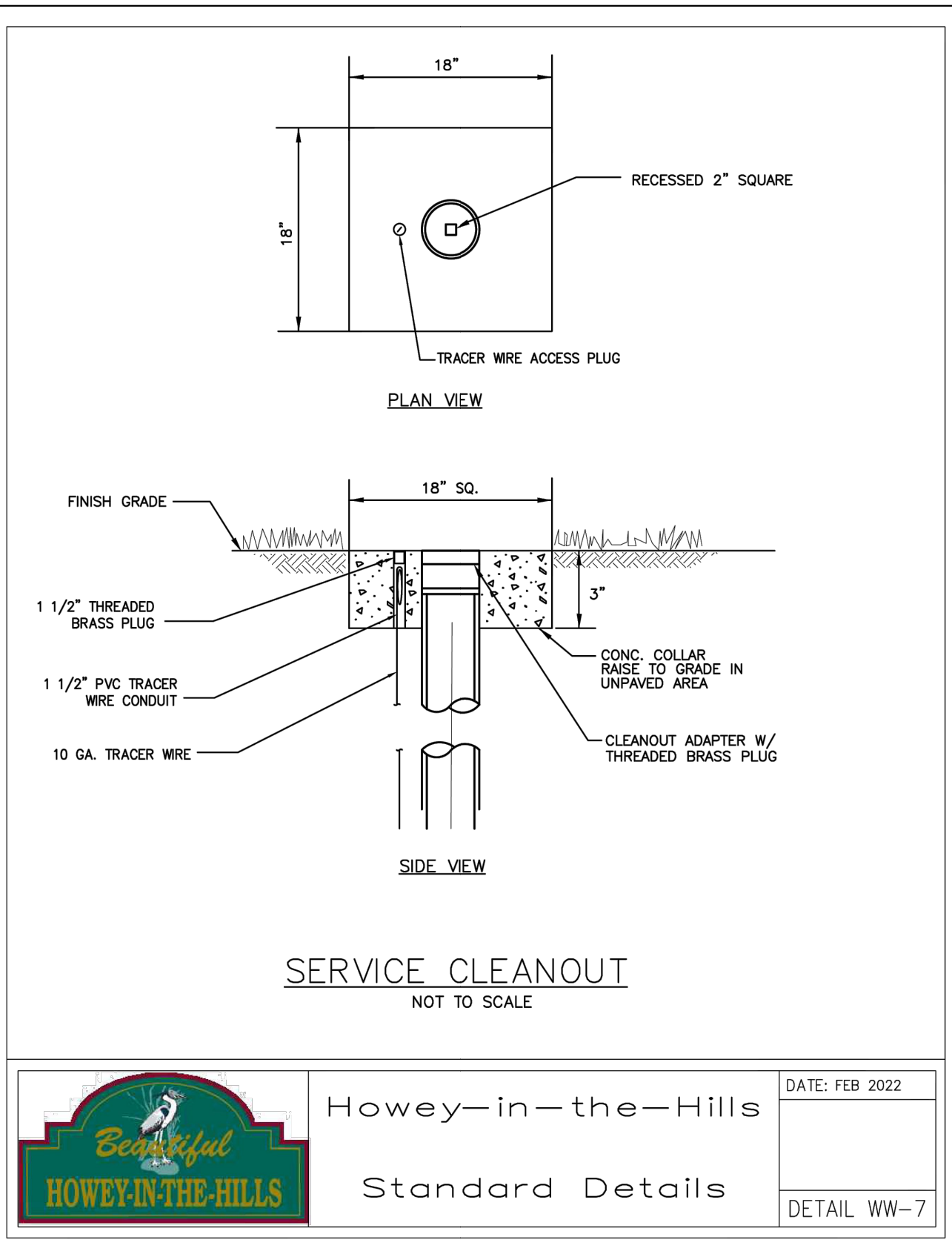
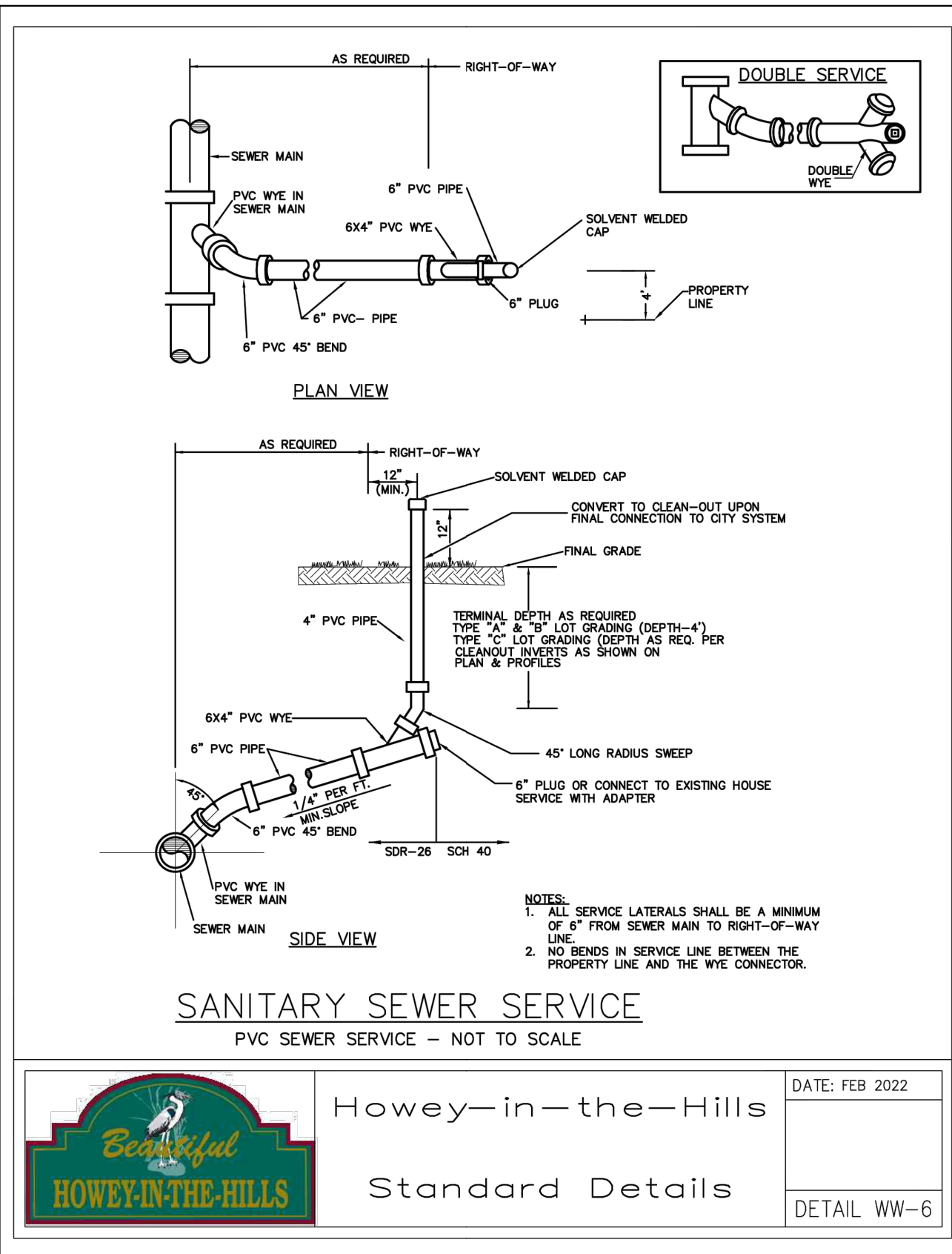
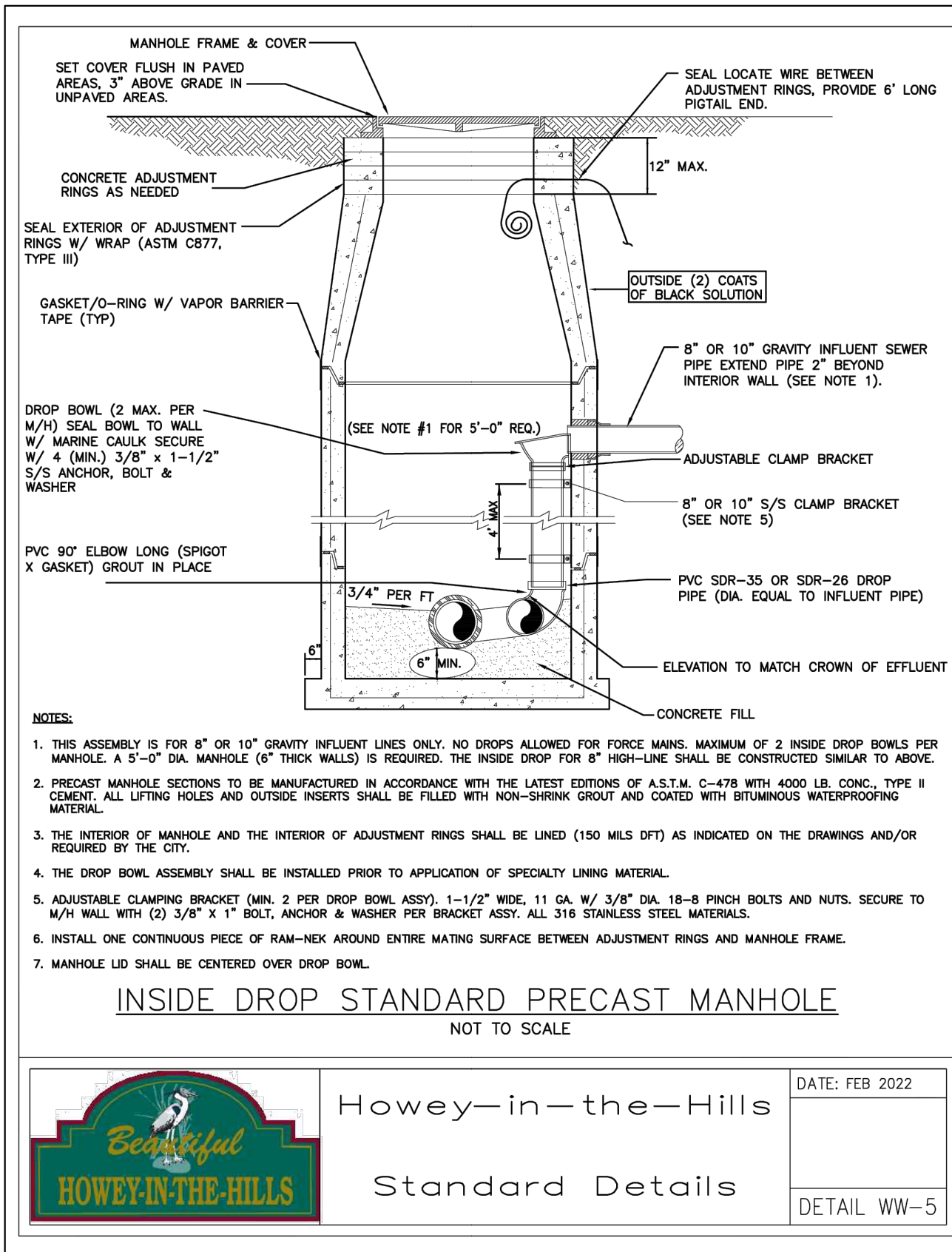
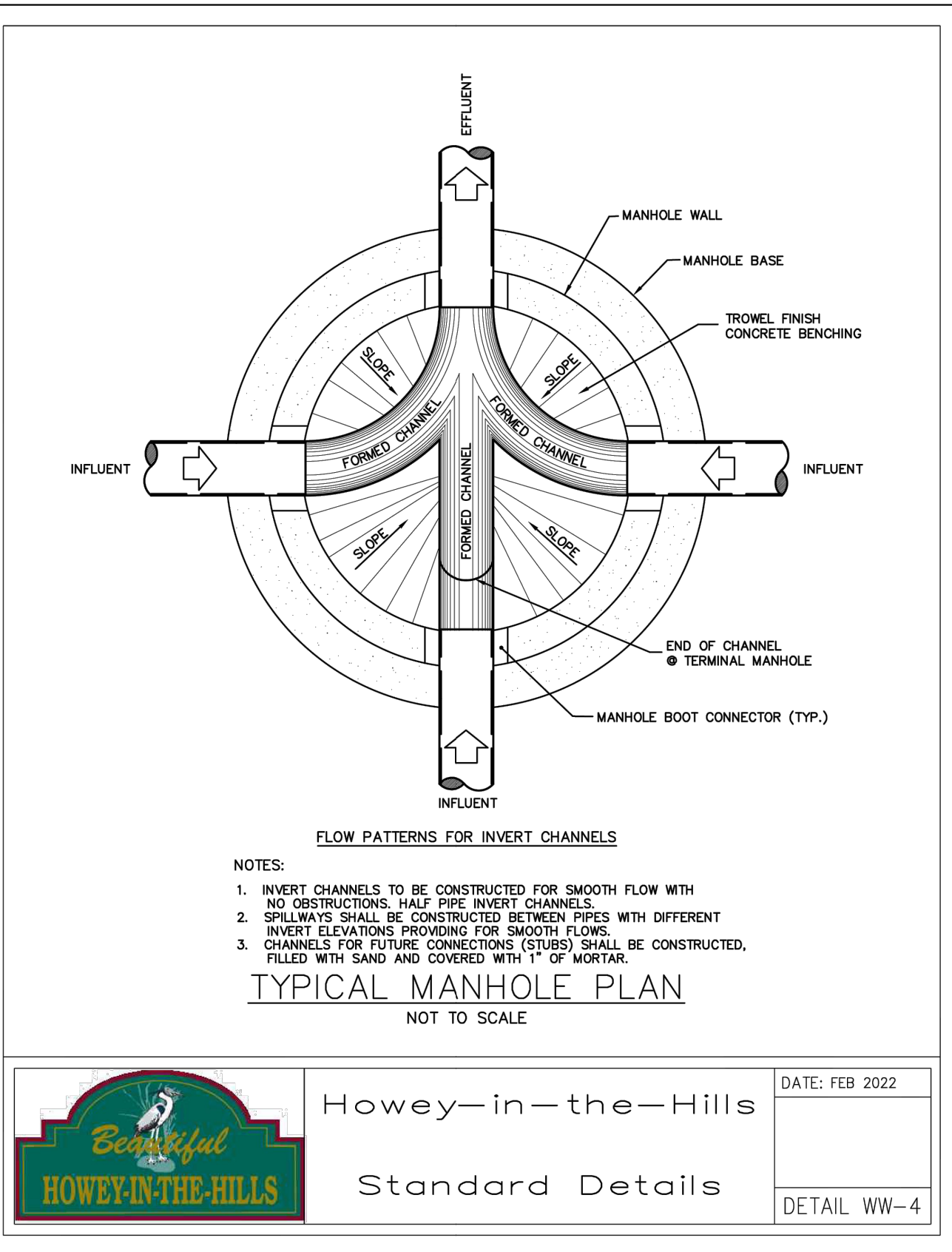
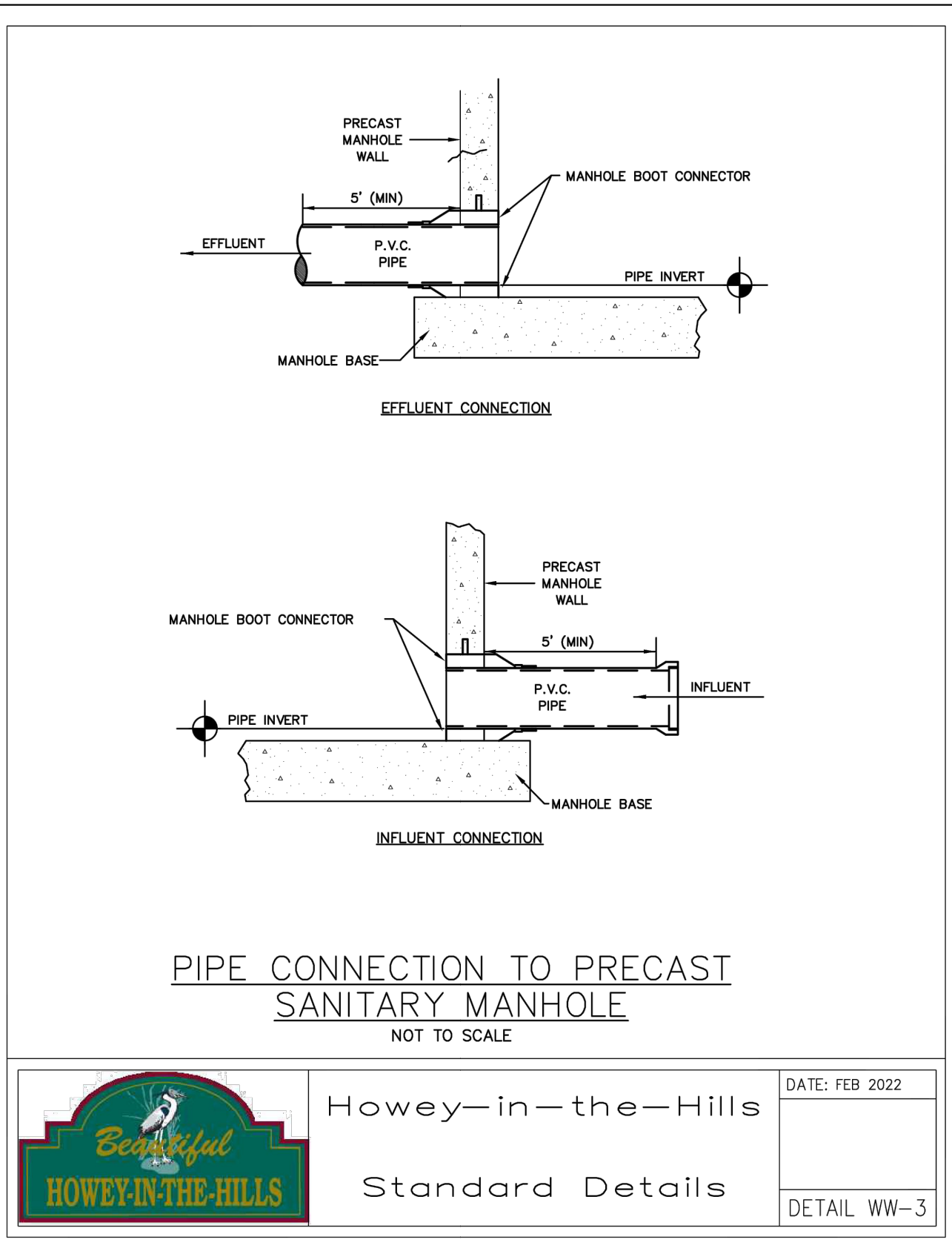
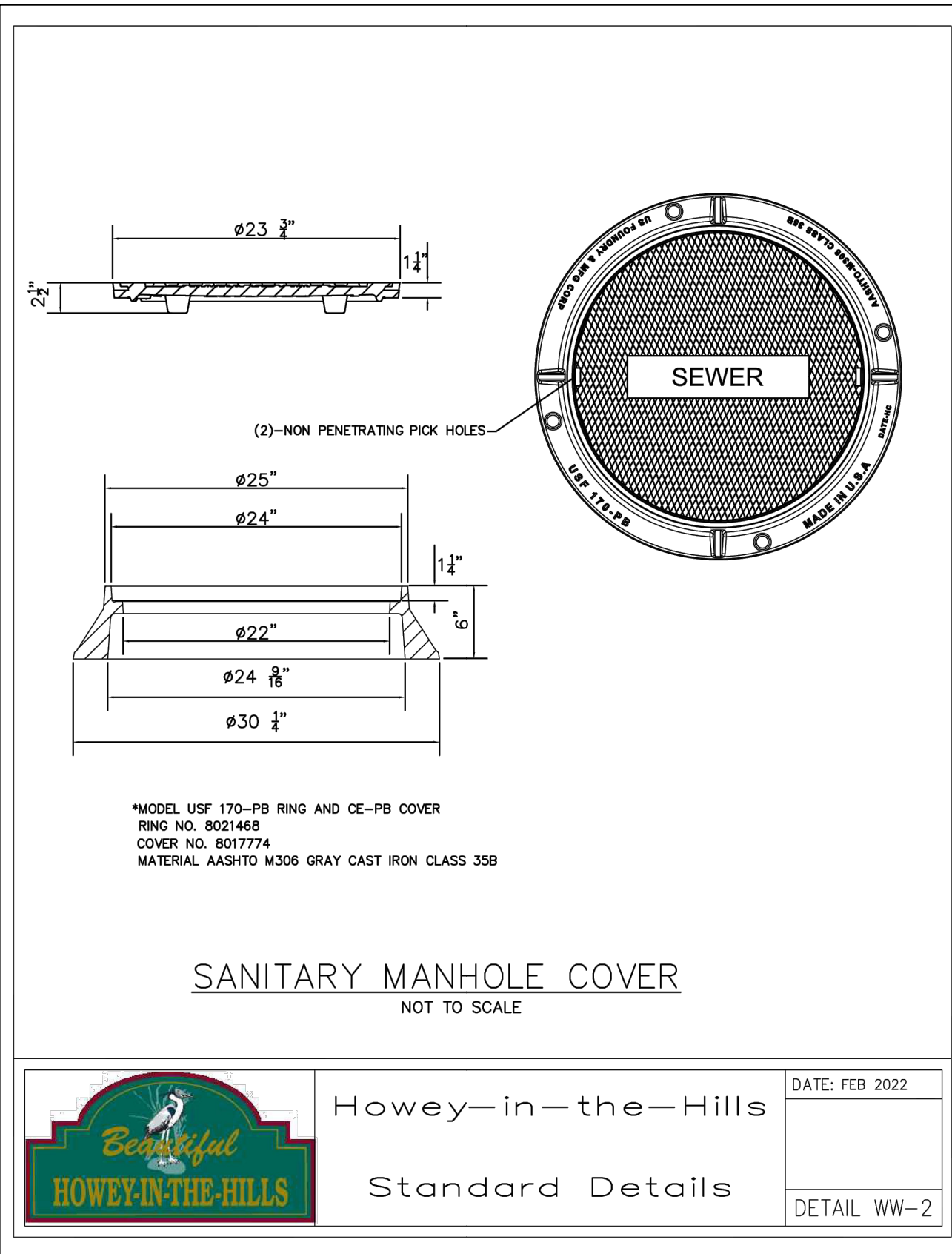
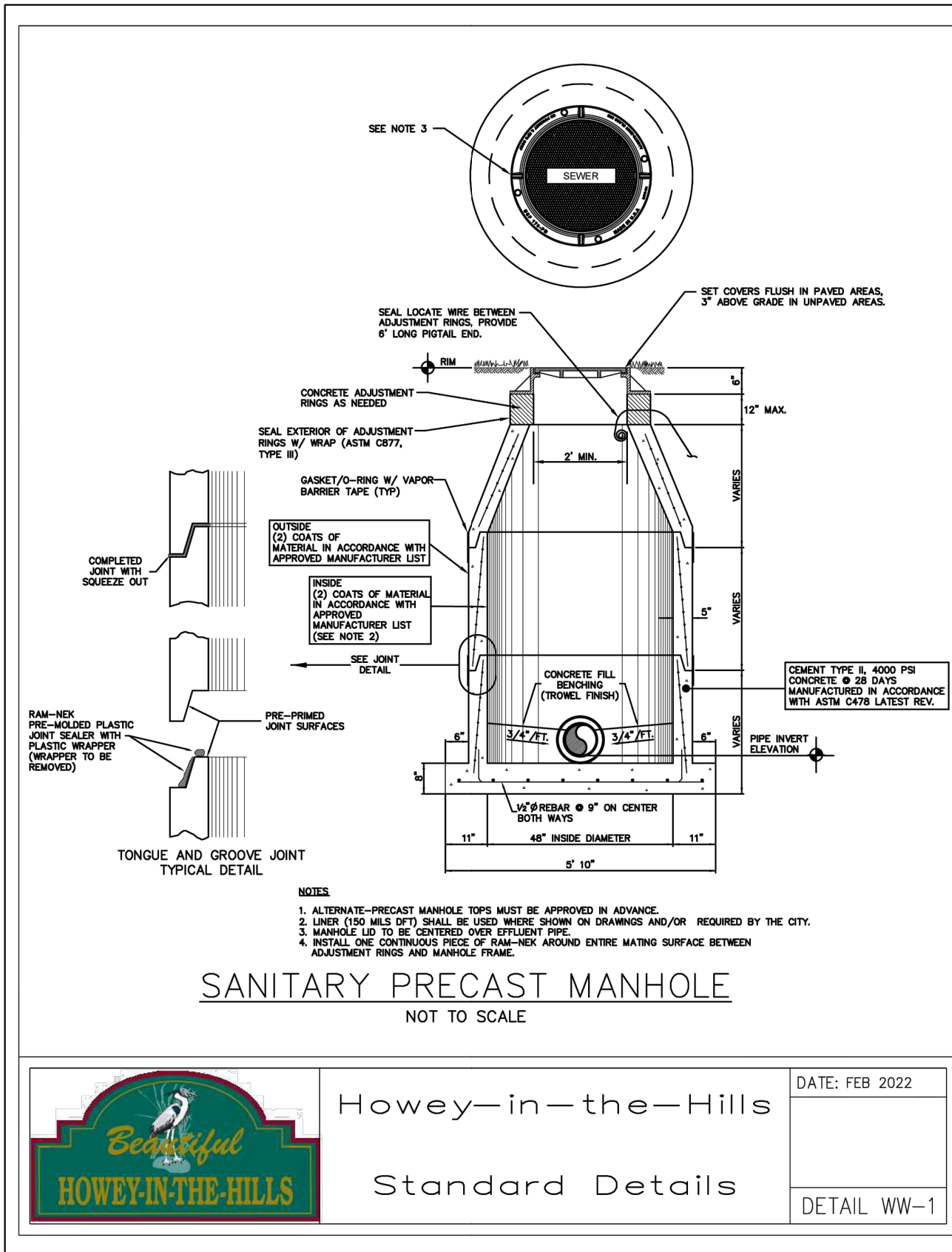
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ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 1'  
SHEET TITLE:  
WATER  
DETAILS  
C-901







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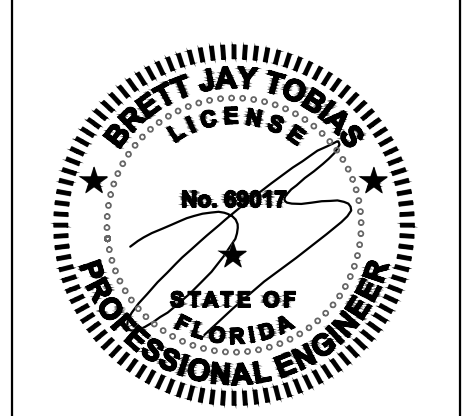


**WATERMARK PH.1 & MASTER GRADING PLANS**  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

**REVELS ROAD INVESTORS, LLC**  
210 Hanger Rd.  
Kissimmee, FL 34741



| REVISION | DATE | DESCRIPTION |
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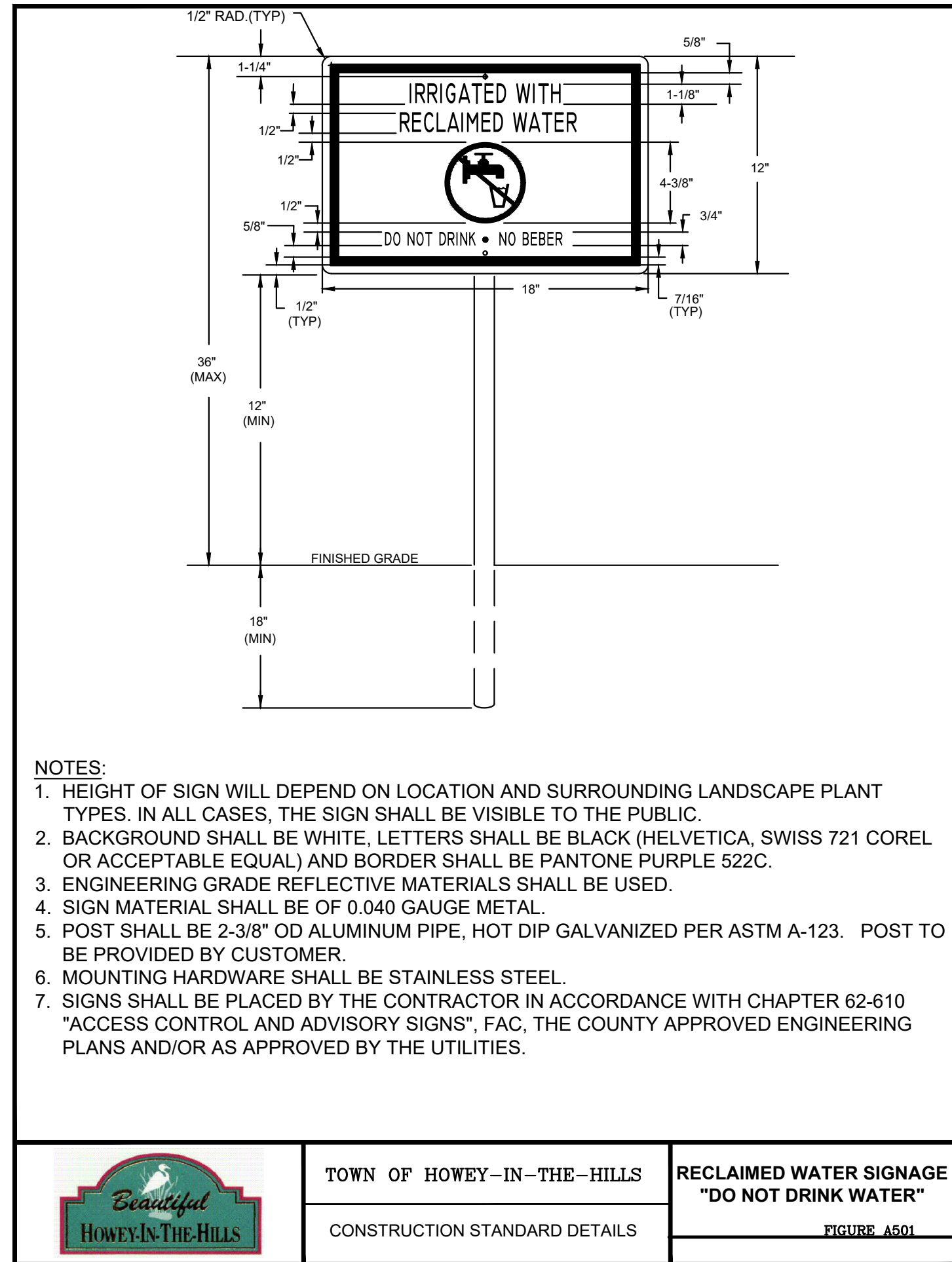
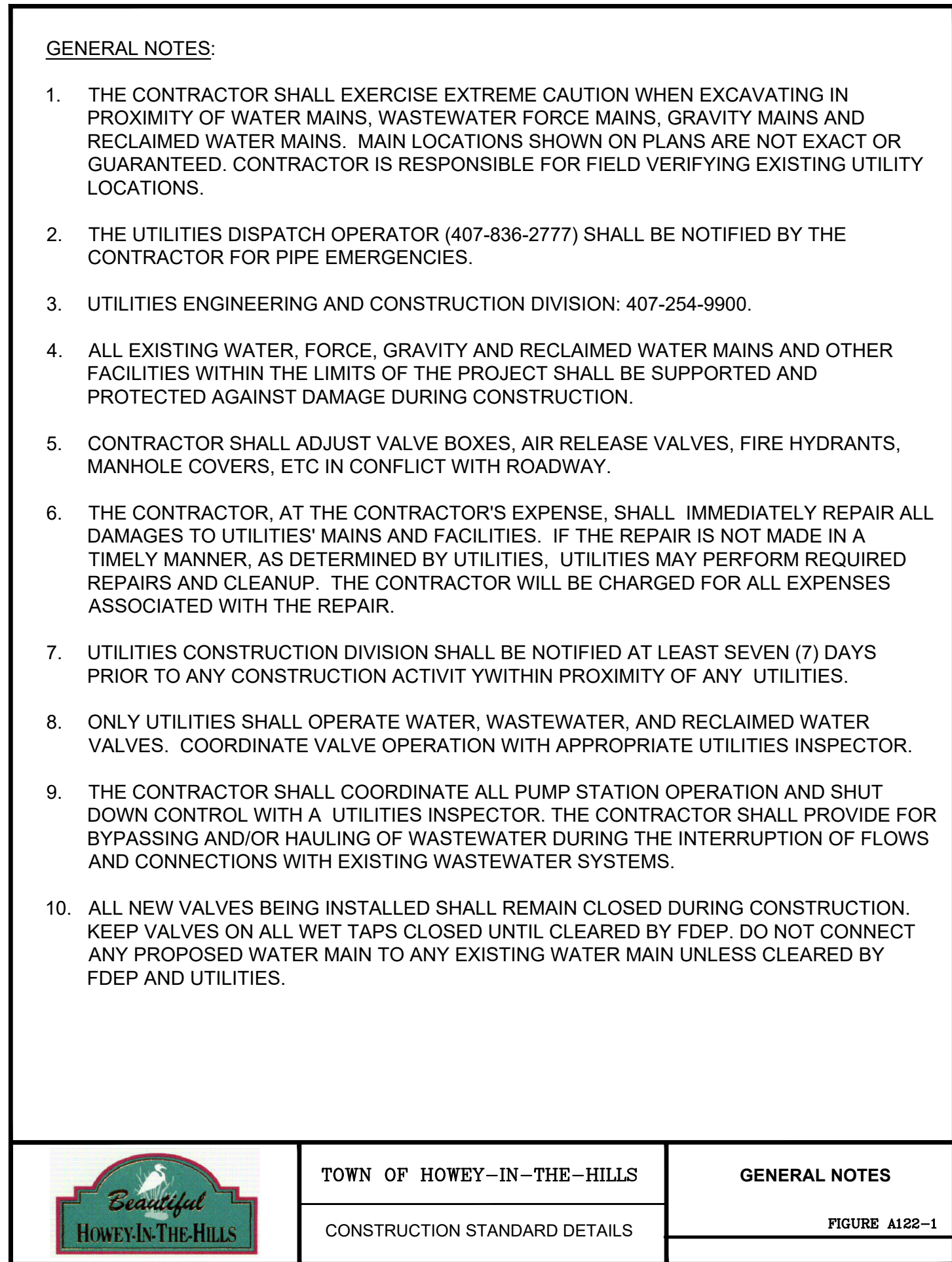
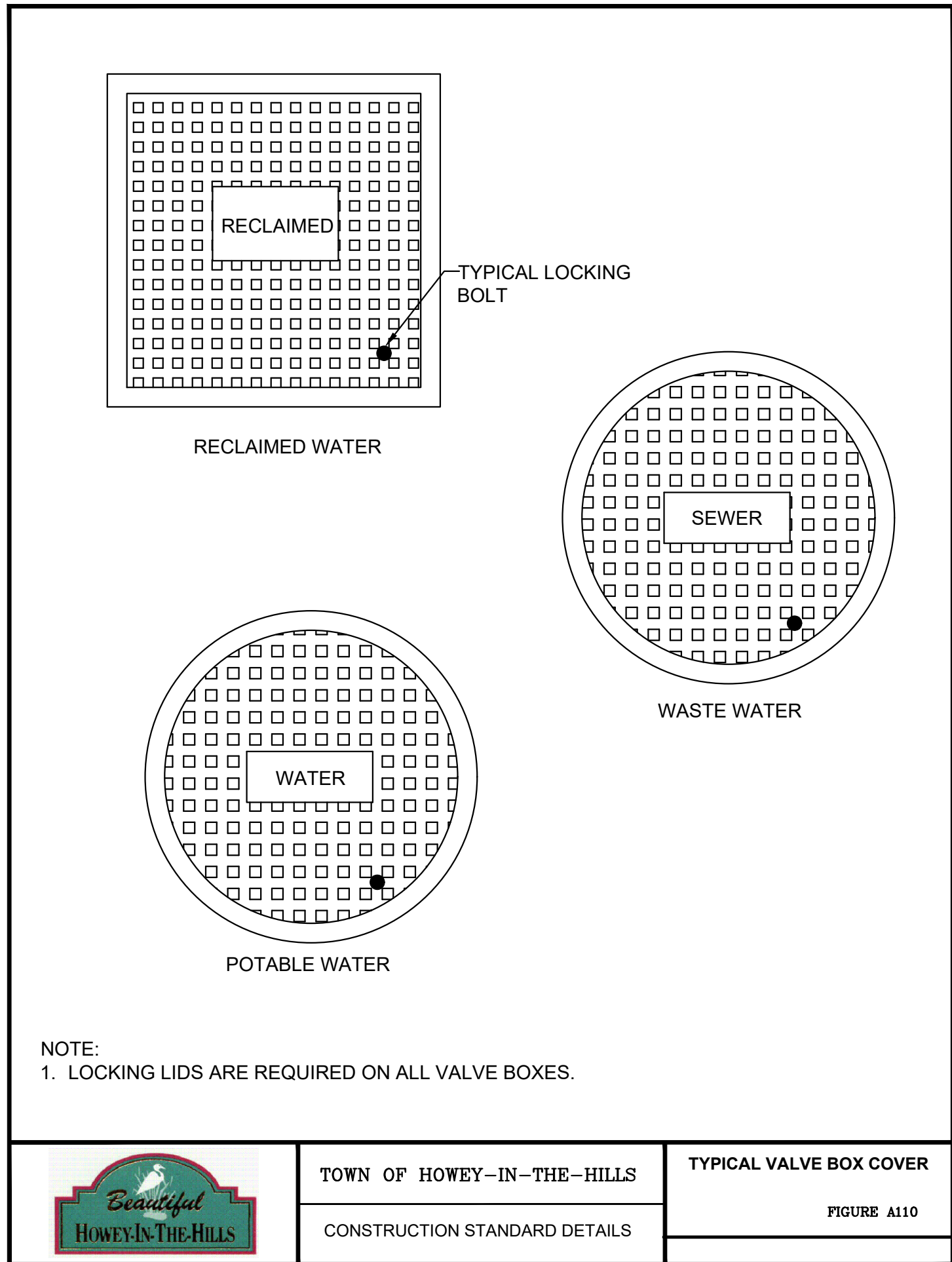
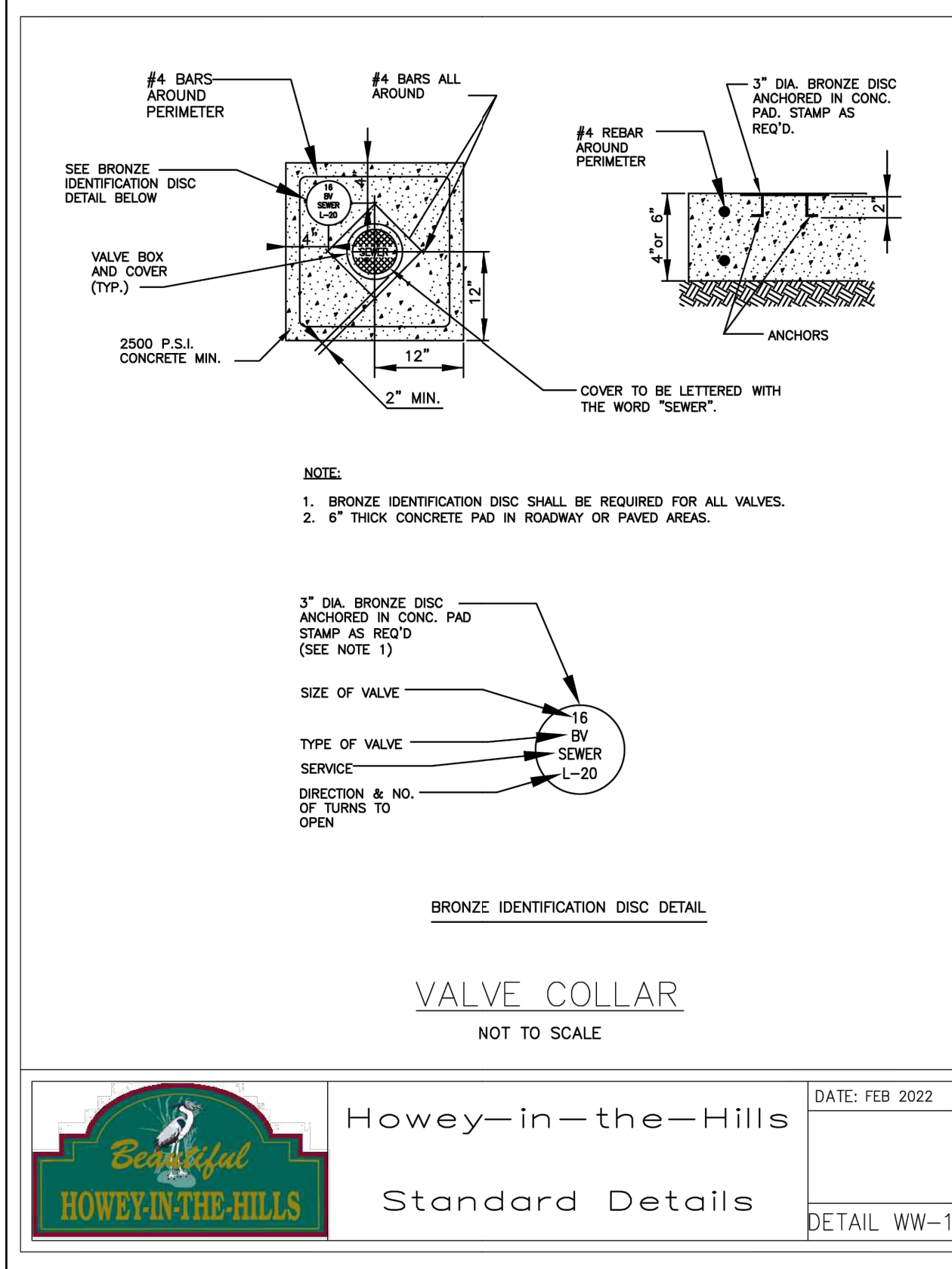
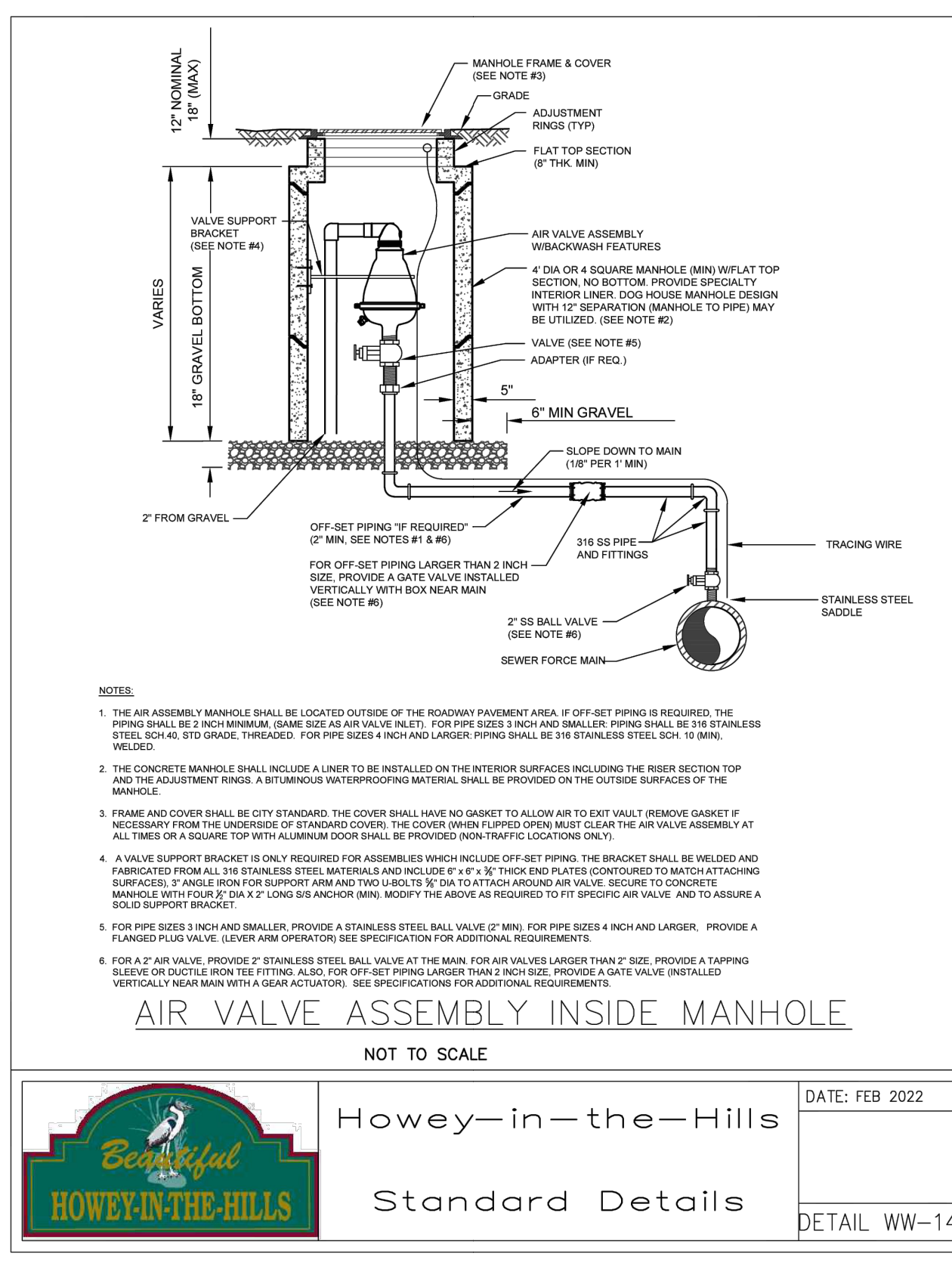
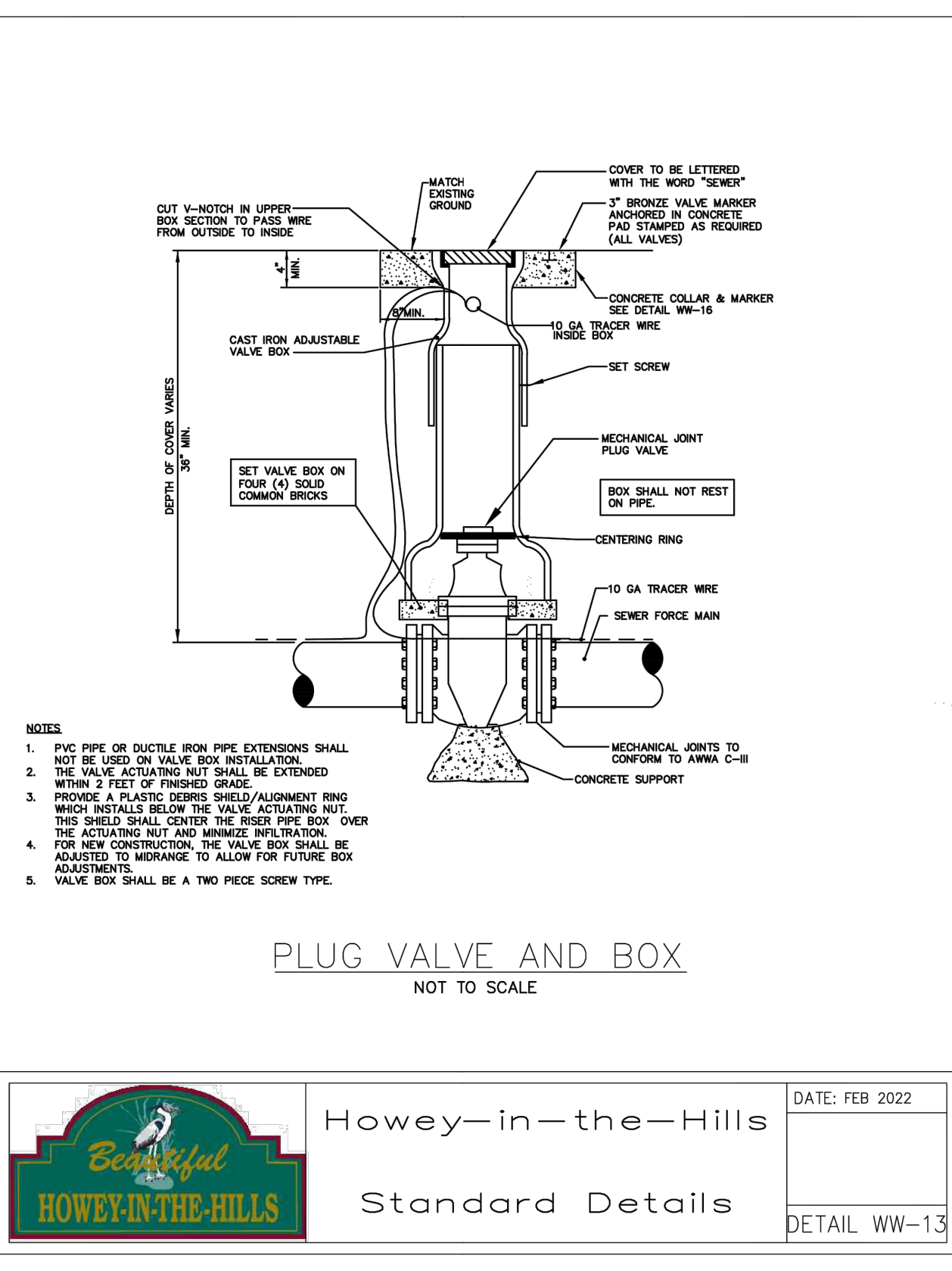
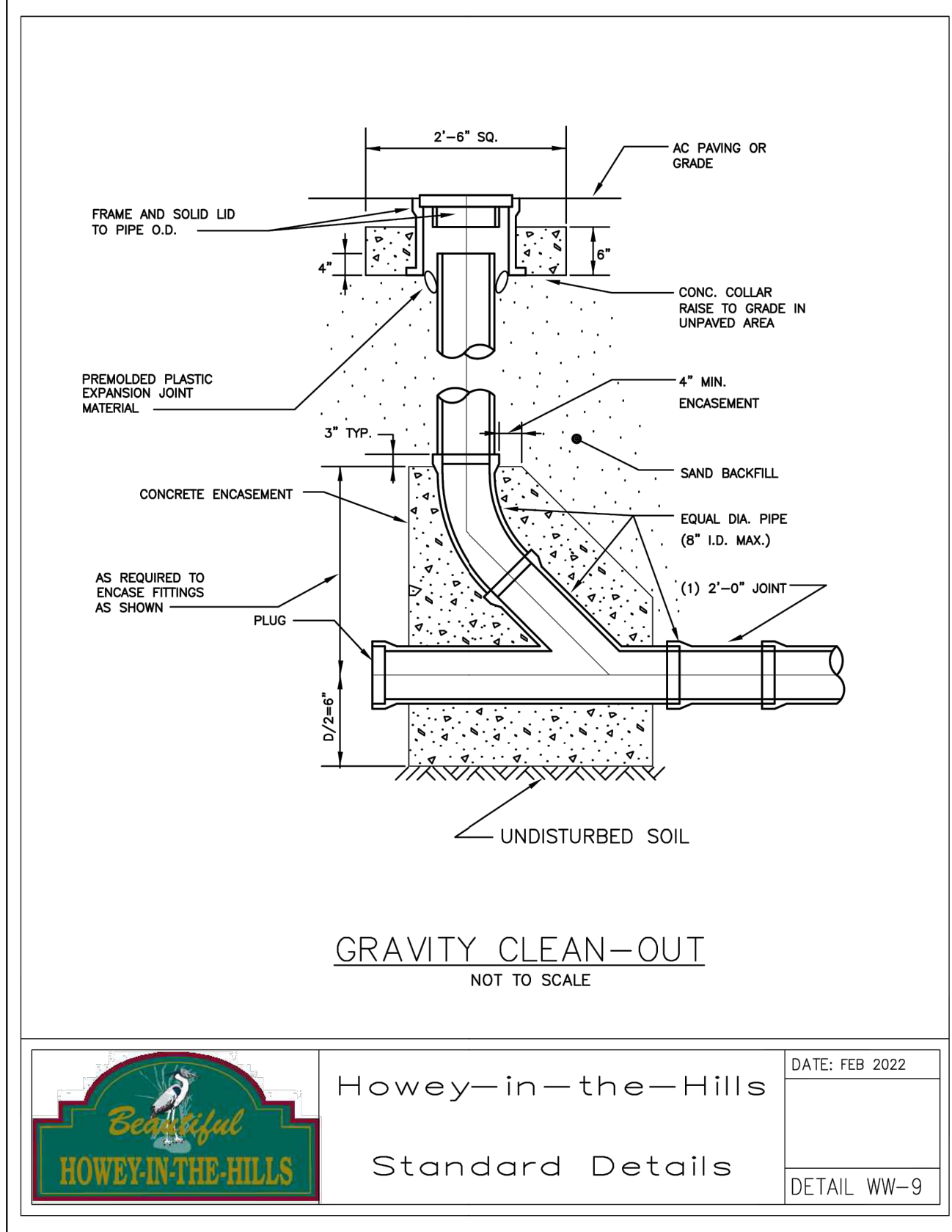
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FL  
STATE

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STATE

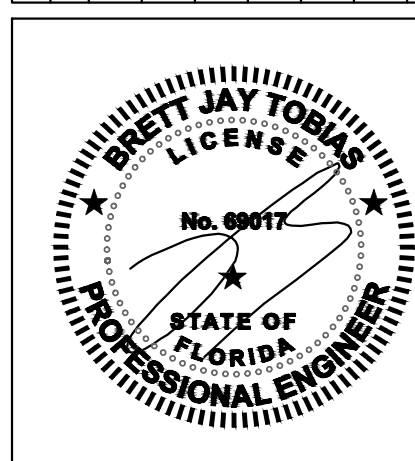
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ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 1'  
SHEET TITLE:  
**SANITARY SEWER DETAILS**

C-1000



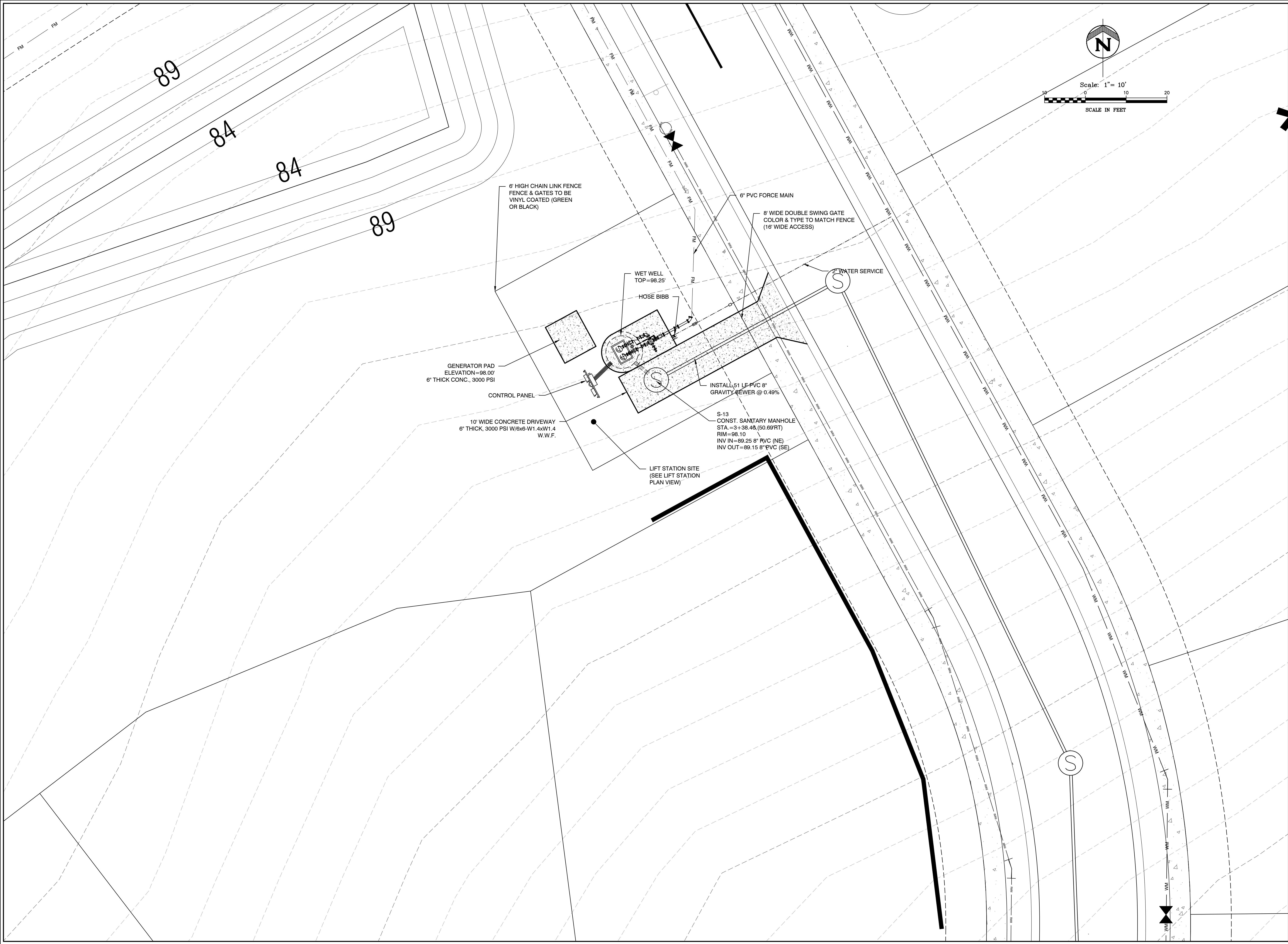


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| HALFF ASSOCIATES, INC.                                            | FL             |
| FIRM OR BUSINESS NO.                                              | STATE          |
| PROJECT NO.: 45548.003                                            |                |
| ISSUED: JULY 2025                                                 |                |
| DRAWN BY: SPH                                                     |                |
| CHECKED BY: BJT                                                   |                |
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| C-1001                                                            |                |



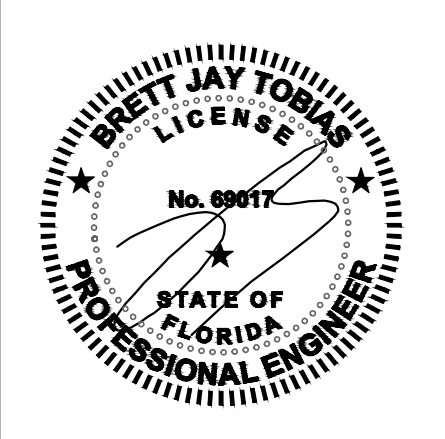


WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

REVELS ROAD INVESTORS, LLC  
210 Hanger Rd.  
Kissimmee, FL 34741



| REVISION NO. | DATE | DESCRIPTION |
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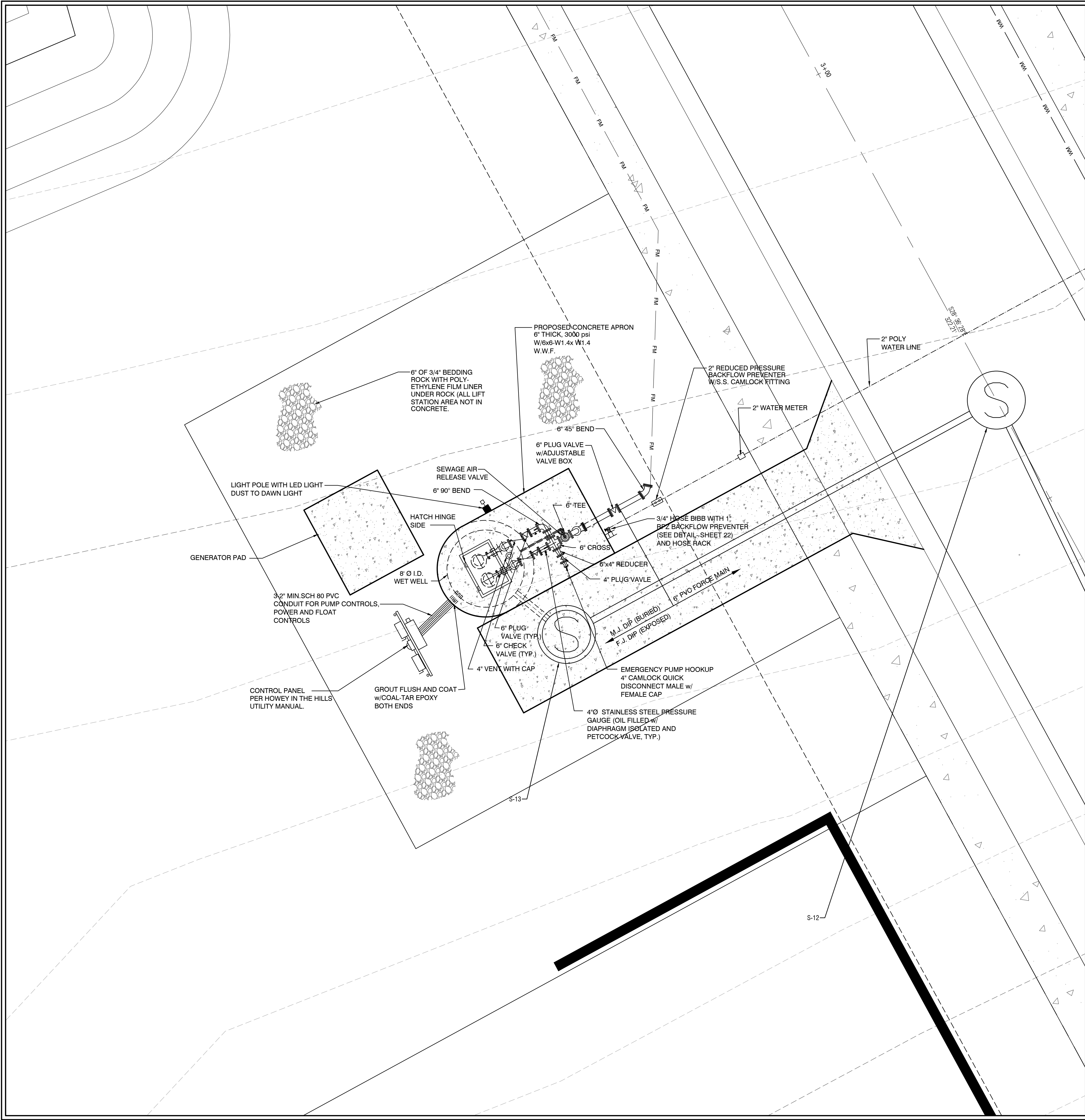
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PROJECT NO.: 45548.003  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 1'  
SHEET TITLE:

LIFT STATION  
SITE PLAN

C-1100



FILE NAME: A:\45000\45549\03\LD\CADD\DC-1100 Lift Station Details.dwg DATE: July 29, 2023, TIME: 9:15 AM, USER: ah5122



PUMP STATION NOTES:

- PUMPS: SHALL BE HYDROMATIC SUBMERSIBLE PUMPS. PUMPS SHALL HAVE 4" STAINLESS STEEL GUIDE RAILS PER PUMP AND A BPI FRONT DUPLEX SYSTEM.
- LEVEL CONTROLS: SHALL BE IN ACCORDANCE WITH HOWEY IN THE HILL'S UTILITY MANUAL.
- WET WELL ACCESS COVER: SHALL HAVE CLEAR OPENING OF 36"x60" AS MANUFACTURED BY U.S.F. FABRICATION INC. PRODUCTS OR APPROVED EQUAL. ACCESS FRAME AND COVER SHALL HAVE A 1/4" THICK ONE-PIECE, MILL FINISH, EXTRUDED ALUMINUM FRAME, INCORPORATING A CONTINUOUS CONCRETE ANCHOR. DOOR PANEL(S) SHALL BE 1/4" ALUMINUM DIAMOND PLATE, REINFORCED TO WITHSTAND A LIVE LOAD OF 300 psf. DOOR(S) SHALL OPEN TO 90° AND AUTOMATICALLY LOCK WITH STAINLESS STEEL HOLD OPEN ARMS WITH ALUMINUM RELEASE HANDLES. DOOR(S) SHALL CLOSE FLUSH WITH THE FRAME. UNIT SHALL LOCK WITH A NONCORROSIVE LOCKING BAR. FRAME SHALL SUPPORT GUIDE RAILS AND CABLE HOLDER FOR ELECTRICAL WIRING. ALL ACCESS FRAME, COVER, AND HARDWARE SHALL BE CONSTRUCTED OF STAINLESS STEEL. ALL SURFACES IN CONTACT WITH CONCRETE SHALL HAVE A SHOP COAT OF ZINC CHROMATIC PRIMER APPROVED ALKALI RESISTANT PAINT OR APPROVED PROTECTIVE COATING. DOUBLE DOOR ACCESS COVERS SHALL HAVE REMOVABLE CENTER BAR SUPPORT. COVER MUST BE COMPATIBLE WITH PUMP. PROVIDE WET WELL HATCH OPENING WITH PROTECTIVE GRATING PANEL.
- ELECTRICAL SERVICE ENTRANCE: PROVIDE METER SOCKET AND MAIN DISCONNECT MEETING APPLICABLE ELECTRIC CODES AND REQUIREMENTS OF POWER COMPANY. LIGHTNING AND VOLTAGE SURGE PROTECTION TO BE PROVIDED. \*\*COST FOR THE ELECTRICAL SERVICE AND COORDINATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- STEEL PLACED IN BOTTOM SLAB IS TO BE IDENTICAL TO THE TOP SLAB EXCEPT THAT DIAGONAL BARS AND OPENINGS ARE ELIMINATED, STEEL IS CONTINUOUS AND SLAB IS SOLID.
- CONTRACTOR TO CONFIRM SERVICE ARRANGEMENTS WITH POWER COMPANY BEFORE COMMENCING WORK. CONTRACTOR TO RUN UNDERGROUND WIRING TO NEAREST TRANSFORMER OR HAND HOLE.
- ALL FASTENERS ON FLANGES AND ETC. INSIDE WET WELL WILL BE 316 STAINLESS STEEL.
- DIMENSIONS BETWEEN CENTERLINE OF PIPES ARE STANDARD FOR PIPE SIZES SPECIFIED.
- SHOP DRAWINGS OF ENTIRE INSTALLATION MUST BE APPROVED BY ENGINEER & CITY PRIOR TO PLACEMENT OF ORDER.
- ALL EXPOSED AND EMBEDDED CONDUITS TO BE SCHEDULE 80 PVC.
- ALL EXPOSED METAL SHALL BE PAINTED WITH TWO (2) COATS OF EXTERIOR BLACK ENAMEL PAINT.
- ALL EXTERNAL PIPING SHALL BE DUCTILE IRON CLASS 50 (FLANGED JOINT FOR EXPOSED PIPE & MECHANICAL JOINT FOR BURIED PIPE). ALL INTERNAL WET WELL PIPING FROM THE PUMP DISCHARGE ELBOW TO THE H.D.P.E. TO D.I.P. COUPLING SHALL BE MINIMUM SDR-11 HDPE.
- PLUG VALVES SHALL BE SERIES 100, AS MANUFACTURED BY DEZURIK CORP., CLOW OR APPROVED EQUAL. VALVES SHALL BE CONSTRUCTED WITH RESILIENT FACED PLUGS. VALVES SHALL HAVE A 2" OPERATION NUT. ONE (1) 5' LONG VALVE WRENCH SHALL BE PROVIDED TO HOWEY IN THE HILLS.
- CHECK VALVES SHALL BE MUELLER #2600-6-02, AMERICAN-DARLING #52SC, OR KENNEDY OR M&H EQUIVALENTS WITH OUTSIDE LEVER AND WEIGHT.
- PRESSURE GAUGES SHALL BE STAINLESS STEEL WITH STAINLESS STEEL DIAPHRAM, LIQUID FILLED, 4 1/2" DIAMETER DIAL WITH 0-100 psi RANGE. GAUGES SHALL BE AS MANUFACTURED BY WKA, LOWER MOUNT, TYPE 233.30 AND DIAPHRAGMS SHALL BE AS MANUFACTURED BY HYETT, MODEL 43MCR-01 OR APPROVED EQUALS.
- PADLOCKS FOR ACCESS COVERS AND CONTROL PANEL SHALL BE MASTER NO. 4 BRASS PADLOCK, KEYED ALIKE, FURNISH TWO (2) KEYS PER LOCK. BOLTS IN LOCKING DEVICE SHALL BE ST. STEEL.
- WET WELL TO BE H.D.P.E. LINED WITH AN AGRU SURE GRIP LINER OR APPROVED EQUAL, WITH A MINIMUM THICKNESS OF 2 MM. MECHANICALLY ANCHORED TO THE CONCRETE. ALL JOINTS SHALL BE EXTRUSION WELDED BY CERTIFIED WELDERS.
- SOD ALL AREAS DISTURBED BY CONSTRUCTION.
- BACKFILL AROUND WETWELL IN 12" LIFTS COMPACTING TO A MINIMUM OF 95%.
- ALL LOCATIONS WHERE PIPES ENTER OF LEAVE THE WETWELL SHALL BE MADE WATERTIGHT WITH LINK SEAL CLOSURES SEALED FOR THE PROPER SEALING RANGE.
- INSTALL PUMP BASE ELBOWS, GUIDE RAILS AND DISCHARGE PIPING PLUMB, LEVEL AND SQUARE.
- INSTALL BENCH FOR PUMP BASE ELL IF NECESSARY, PER MANUFACTURER'S APPROVED SHOP DRAWINGS.
- COAT ALL METALS THAT ARE NOT STAINLESS STEEL AND ARE LOCATED IN THE WETWELL WITH 10 MILS (DRY FILM THICKNESS) OF BLACK, HIGH GLOSS EPOXY, (TNE MEC SERIES 69 HI-BUILD EPOXYLINE II OR AN EQUIVALENT PRODUCT). COATING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SHALL NOT BE IMMERSUED UNTIL FULL CURE IS ACHIEVED.
- COAT ALL ALUMINUM SURFACE IN CONTACT WITH CONCRETE WITH BITUMINOUS COATING PRIOR TO INSTALLATION.
- PUMP BASE ELBOWS, PUMP ANCHOR BOLTS, UPPER AND INTERMEDIATE GUIDE RAIL BRACKETS, GUIDE RAILS, CABLE HANGER, PUMP LIFING CABLES, CONTROL PANEL AND FLOAT SWITCHES TO BE APPROVED BY PUMP SUPPLIER.
- INSTALL INTERMEDIATE GUIDE RAIL BRACKETS AS REQUIRED BY PUMP MANUFACTURER OR, AT MINIMUM, WHEN GUIDE RAIL RAILS EXCEED 20'-0" IN LENGTH.
- DUCTILE IRON PIPE SHALL COMPLY WITH AWWA C115 AND SHALL HAVE A PROTEO 401 INTERIOR LINING.
- DUCTILE IRON FITTINGS SHALL COMPLY WITH AWWA C110 OR C153 WITH AN AWWA C116 OR PROTEO 401 INTERIOR LINING.
- ORIENTATION OF PUMPS AND ACCESS HATCH SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS FOR PUMPS FURNISHED.
- BASE AND FIRST RISER UNIT OF WETWELL TO BE CAST MONOLITHIC.
- PAINT EXTERIOR PIPE, VALVES AND FITTINGS WITH AN ALIPHATIC, ACRYLIC POLYURETHANE SYSTEM, COLOR SAFETY GREEN, TNE MEC SERIES 74 OR AN EQUIVALENT PRODUCT. COMPLY WITH ALL MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 1-INCH WATER SERVICE, REDUCED PRESSURE BACKFLOW PREVENTER AND HOSE BIBB.
- FIELD TESTING: THE CONTRACTOR SHALL FURNISH THE SERVICES OF THE SYSTEM SUPPLIER'S SERVICEMAN, ALL SPECIAL TOOLS, CALIBRATION EQUIPMENT, AND LABOR TO PERFORM THE TESTS. CERTIFIED COPIES OF THE TESTS SHALL BE FURNISHED IN DUPLICATE TO THE CITY ENGINEER PRIOR TO FINAL APPROVAL.
- CONTRACTOR AND/OR MANUFACTURER TO PROVIDE ELECTRICAL SCHEMATIC AND SHOP DRAWINGS TO HOWEY IN THE HILLS FOR APPROVAL PRIOR TO PLACEMENT OF ORDER.
- CONTROL PANEL WITH AUTO TRANSFER SWITCH, SCADA SYSTEM, BYPASS PUMP, & LIFT STATION SHOP DRAWINGS TO BE SUBMITTED TO HOWEY IN THE HILLS FOR APPROVAL PRIOR TO PLACEMENT OF ORDER.
- CONTRACTOR TO COORDINATE BYPASS PUMP SIZE & TYPE AND SUBMIT TO CITY PRIOR TO PLACEMENT OF ORDER.

NOTE: ACTUAL LOCATION OF CONTROL PANEL SHALL BE FIELD VERIFIED BY HOWEY IN THE HILLS UTILITY SUPERVISOR PRIOR TO CONSTRUCTION

PUMP DATA

|                              |                   |
|------------------------------|-------------------|
| WETWELL INSIDE DIA.          | 8'                |
| HYDROMATIC SUBMERSIBLE PUMPS |                   |
| MODEL NUMBER                 | H4H               |
| IMPELLER                     | 8.75" R.P.M. 1750 |
| PUMP SIZE                    | — HORSE POWER 10  |
| G.P.M.                       | 330 T.D.H. 55'    |
| ELECTRICAL REQUIREMENTS      | 460 Volts         |
| 3 PHASE *                    |                   |

\*NOTE: ELECTRICAL REQUIREMENT TO BE VERIFIED BY CONTRACTOR.

WATERMARK PH.1 & MASTER GRADING PLANS  
TOWN OF HOWEY IN THE HILLS  
LAKE COUNTY

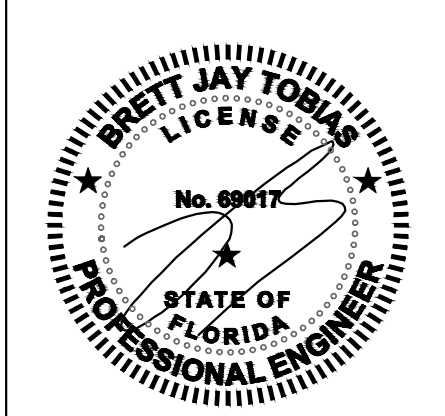
REVELS ROAD INVESTORS, LLC

210 Hanger Rd.  
Kissimmee, FL 34741



80 NORTON AVE  
TAVARES, FL 32778  
CERTIFICATE OF AUTHORIZATION  
NUMBER: 33380

| REVISION NO. | DATE | DESCRIPTION |
|--------------|------|-------------|
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THE SEAL ORIGINALLY APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY:

BRETT J. TOBIAS 69017  
NAME PE LICENSE NO.  
7/29/25  
DATE

THE RECORD COPY OF THIS DRAWING IS ON FILE AT THE OFFICES OF:  
HALFF ASSOCIATES, INC.

HALFF ASSOCIATES, INC. FL  
FIRM OR BUSINESS NO. STATE

PROJECT NO.: 045548.003  
ISSUED: JULY 2025  
DRAWN BY: SPH  
CHECKED BY: BJT  
SCALE: 1" = 1'  
SHEET TITLE:

LIFT STATION  
PLAN

C-1101



