

Drawing name: K:\ORL\LA\149658038\_Hillside Groves Common\CADD\CONST\PlanSheets\C0.0-COVR.dwg COVER SHEET Oct 07, 2025 4:51pm by: Nicholas Ferrer  
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PROJECT LOCATION

# CONSTRUCTION PLANS FOR HILLSIDE GROVES COMMON

PARCEL I.D. # 35-20-25-0002-000-00800

HOWEY-IN-THE-HILLS, FLORIDA

OCTOBER 07, 2025

PROJECT AREA



AERIAL PHOTOGRAPH

N.T.S.

## LEGAL DESCRIPTION:

TRACT R, HILLSIDE GROVES, ACCORDING  
TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK XX,  
PAGES XX THROUGH XX OF THE PUBLIC RECORDS OF  
LAKE COUNTY, FLORIDA.

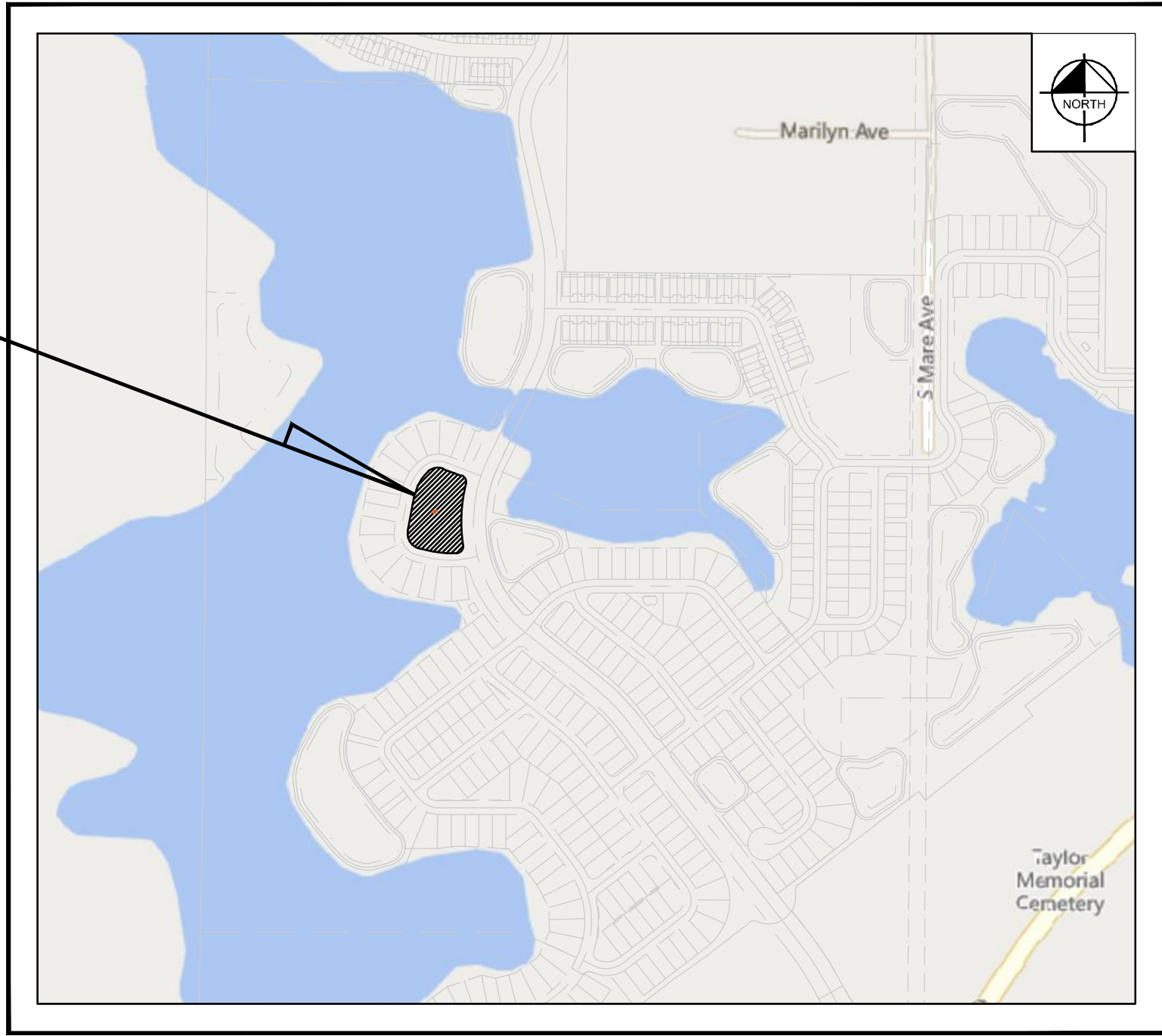


SOILS MAP

45 - TAVARES SAND  
99 - WATER

N.T.S.

PROJECT AREA



SECTION 35 , TOWNSHIP 20S, RANGE 25E

LOCATION MAP

N.T.S.

## PROJECT TEAM

### DEVELOPER:

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EMAIL: CLAUDIO.TORRES@MERITAGEHOMES.COM

### CIVIL ENGINEER

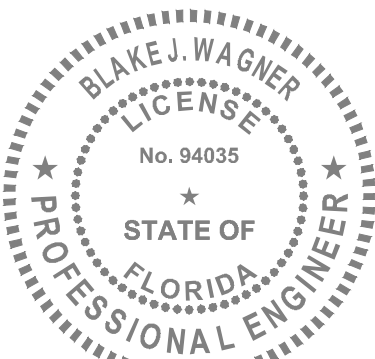
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PREPARED BY  
**Kimley»Horn**

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BLAKE J. WAGNER, P.E.  
FL PE No. 94035

## Sheet List Table

Sheet Number	Sheet Title
C0.0	COVER SHEET
C1.0	GENERAL NOTES
C1.1	GENERAL NOTES
C2.0	STORMWATER POLLUTION PREVENTION PLAN
C2.1	EROSION CONTROL DETAILS
C3.0	EXISTING CONDITIONS
C4.0	SITE PLAN
C4.1	FIRE TRUCK ROUTING PLAN
C5.0	PAVING GRADING AND DRAINAGE
C5.1	SECTIONS
C6.0	UTILITY PLAN
C7.0	CONSTRUCTION DETAILS
C8.0	HOWEY-IN-THE-HILLS DETAILS
C8.1	HOWEY-IN-THE-HILLS DETAILS
C8.2	HOWEY-IN-THE-HILLS DETAILS
L1.00	OVERALL LANDSCAPE PLAN
L1.01	LANDSCAPE PLAN
L1.50	LANDSCAPE DETAILS
L1.51	LANDSCAPE SPECIFICATIONS
L2.00	OVERALL IRRIGATION PLAN
L2.01	IRRIGATION PLAN
L2.50	IRRIGATION DETAILS
L2.51	IRRIGATION SPECIFICATIONS
L3.00	OVERALL HARDSCAPE PLAN
L3.01	HARDSCAPE PLAN
L3.50	HARDSCAPE DETAILS
L3.51	HARDSCAPE DETAILS
L3.52	HARDSCAPE DETAILS
L3.53	HARDSCAPE DETAILS
L3.54	HARDSCAPE DETAILS

Blake Wagner

PROJECT TITLE: HILLSIDE GROVES COMMON  
DATE: 10/07/2025  
ENGINEER'S PROJECT No. 149658038

NO.	REVISIONS	DATE	BY
1			
2			
3			
4			
5			

SHEET NUMBER  
**C0.0**





Plotted By: Ferner, Nicholas Sheet Set: HILLSIDE GROVES COMMON Layout: C2.0 - SWPPP PLAN October 07, 2025 04:51:138pm K:\ORL\_LAI\48658038\_Hillside Groves Common\CADD\CONSTR\Plans\Sheets\C2.0-SWPPP.dwg  
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# STORMWATER POLLUTION PREVENTION PLAN

## SITE DESCRIPTION

### PROJECT NAME AND LOCATION

HILLSIDE GROVE COMMON  
TAX PARCEL: 35-20-25-0002-000-00800  
HOWEY-IN-THE-HILLS, FLORIDA

\*SEE COVER SHEET FOR LOCATION MAP

### DEVELOPER NAME AND ADDRESS

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CONTACT: CLAUDIO TORRES  
PHONE: (407) 284-4152  
EMAIL: CLAUDIO.TORRES@MERITAGEHOMES.COM

### PROJECT DESCRIPTION

THE PROJECT PROPOSES AN AMENITY CENTER IN HOWEY-IN-THE-HILLS, FLORIDA, AS AN ADDITION TO A NEW SINGLE-FAMILY SUBDIVISION. IT CONSISTS OF THE CLEARING AND GRUBBING OF THE EXISTING AREA ON THE 1.22-ACRE SITE. THE PROJECT INCLUDES THE CONSTRUCTION OF A STATE-OF-THE-ART POOL AND SUPPORTING AMENITIES, AS WELL AS THE INSTALLATION OF PARKING INFRASTRUCTURE.

PROJECT AREA: 1.22 ACRES  
CONTRIBUTING DRAINAGE AREA: 1.22 ACERS

CONTROL STRUCTURE : S-5  
LONGITUDE : W81° 47' 09.30"  
LATITUDE: N28° 42' 18.50"

ULTIMATE RECEIVING WATERS: LAKE ILLINOIS

### ACTIVITIES THAT REQUIRE EROSION CONTROL

SITE CLEARING AND GRUBBING; PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; EXCAVATION FOR THE RETENTION POND; SITE GRADING; INSTALLATION OF STORM WATER, SANITARY SEWER, AND WATER STRUCTURES; CURB, ROADWAYS, AND PARKING FACILITIES.

\*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

### SOIL PARAMETERS

SOIL TYPES:

SERIES NAME	HYDROLOGIC GROUP
TAVARES SAND, 0 TO 5 PERCENT SLOPES	A

### SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND OTHER EROSION CONTROL METHODS
3. CLEAR AND GRUB FOR SEDIMENT BASIN AND EARTH DIKE
4. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
5. FINISH CLEARING AND GRUBBING
6. REMOVE AND STORE TOPSOIL
7. PROVIDE INITIAL GRADING AS REQUIRED
8. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
9. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
10. INSTALL BASE TO ROAD AND PARKING AREA
11. FINISH GRADING ENTIRE SITE
12. CONSTRUCT FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT
14. REMOVE ANY ITEMS THAT ARE NOT REQUIRED

NOTE: THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE IS A GENERAL OVERVIEW AND IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

### TIMING OF CONTROL MEASURES

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES), A STABILIZED ENTRANCE AND SEDIMENT BASIN SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

## EROSION AND SEDIMENT CONTROLS

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW.

### STORM WATER MANAGEMENT

STORM WATER COLLECTION SHALL BE PROVIDED BY CATCH BASINS. THE AREAS THAT ARE REGRADED SHALL BE STABILIZED IMMEDIATELY AFTER REGRAIDING.

### STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE APPROPRIATE PERMANENT SEED MIX CAN BE FOUND IN TABLES 1.66A, 1.66B AND 1.66C OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, 2 TONS/ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE AND THE PROPER FERTILIZER BASED ON THE TYPE OF SEEDING SHALL BE APPLIED TO EACH ACRE TO PROVIDE PLANT NUTRIENTS. AFTER SEEDING, EACH AREA SHALL BE MULCHED IMMEDIATELY.

### STRUCTURAL PRACTICES:

EARTH DIKE - IF REQUIRED, AN EARTH DIKE SHALL BE CONSTRUCTED ALONG THE SITE PERIMETER. A PORTION OF THE DIKE SHALL DIVERT RUN-OFF AROUND THE CONSTRUCTION SITE. THE REMAINING PORTION OF THE DIKE SHALL COLLECT RUNOFF FROM THE DISTURBED AREA AND DIRECT THE RUNOFF TO THE SEDIMENT BASIN.

SEDIMENT BASIN - A SEDIMENT BASIN SHALL BE CONSTRUCTED IN THE COMMON DRAINAGE AREA FOR THE SITE. ALL SEDIMENT COLLECTED IN THE BASIN MUST BE REMOVED FROM THE BASIN UPON COMPLETION OF CONSTRUCTION. SEDIMENT FROM THE BASIN MAY BE USED AS FILL ON THE SITE IF IT IS SUITABLE SOIL.

### WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

### OFF-SITE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE MAJOR ROAD CONNECTED TO THE PROJECT SHALL BE CLEANED ONCE A DAY TO REMOVE ANY EXCESS MUD, DIRT OR ROCK RESULTING FROM CONSTRUCTION TRAFFIC. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPULIN.

### DUST & DEBRIS CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AS WELL AS ALONG HAUL ROUTES AND ROADWAYS USED BY THE EQUIPMENT AND VEHICLES. THE CONTRACTOR SHALL ENSURE THAT EXCESSIVE DUST IS NOT TRANSPORTED BEYOND THE LIMITS OF CONSTRUCTION IN POPULATED AREAS. THE CONTRACTOR MAY CONTROL DUST FOR EMBANKMENTS OR OTHER CLEARED OR UNSURFACED AREAS BY APPLYING WATER. INSTALL MULCH, SEED, SOD, OR TEMPORARY PAVING AS EARLY AS PRACTICAL. CONTROL DUST DURING STORAGE AND HANDLING OF DUSTY MATERIALS BY WETTING, COVERING, OR OTHER MEANS AS APPROVED BY THE ENGINEER.

DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE ON THE PROJECT SITE.

## ITEMS REQUIRING POLLUTION PREVENTION

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT ON THE PROJECT SITE:

-ASPHALT  
-CONCRETE  
-FERTILIZERS  
-METAL PIECES  
-PETROLEUM BASED PRODUCTS  
-TAR

-CLEANING SUPPLIES  
-DETERGENTS  
-MASONARY BLOCK/BRICKS  
-PAINT  
-WOOD

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT WILL BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE:

-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION  
-WATER FROM WATER LINE FLUSHING  
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

### SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

### GOOD HOUSEKEEPING

-SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.

-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.

-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.

-ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.

-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.

-ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

### HAZARDOUS PRODUCTS

-MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.

-PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

### PRODUCT SPECIFIC PRACTICES

-PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.

-THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

-PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.

-CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

### SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.

-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.

-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.

-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.

-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.

-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.

-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

## MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-AN INSPECTOR, CERTIFIED BY THE STATE OF FLORIDA OR EXPERIENCED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROLS, IS REQUIRED TO INSPECT THE EROSION AND SEDIMENTATION CONTROL MEASURES AS SHOWN ON THE APPROVED STORMWATER POLLUTION PREVENTION PLAN. INSPECTION REPORTS ARE TO BE COMPLETED ON THE CITY OF SANFORD'S FORM ONCE EVERY WEEK AND AFTER EVERY RAINFALL EVENT OF 0.50" OR MORE DURING THE CONSTRUCTION PHASE. THESE REPORTS SHALL BE MADE AVAILABLE TO THE CITY AT ANY TIME AND COPIES OF ALL OF THE INSPECTIONS SHALL BE SUBMITTED TO THE CITY PRIOR TO THE ISSUANCE OF CERTIFICATE OF COMPLETION OR OCCUPANCY.

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.

-THE SILT FENCE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.

-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.

-THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10% OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.

-DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.

-ALL SEEDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABILIZED AREAS SHALL BE RE-SODDED.

-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.

-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

### POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

BLAKE J. WAGNER, P.E.  
FLORIDA REGISTRATION NUMBER: 94035  
PROFESSIONAL ENGINEER

### CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FORM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

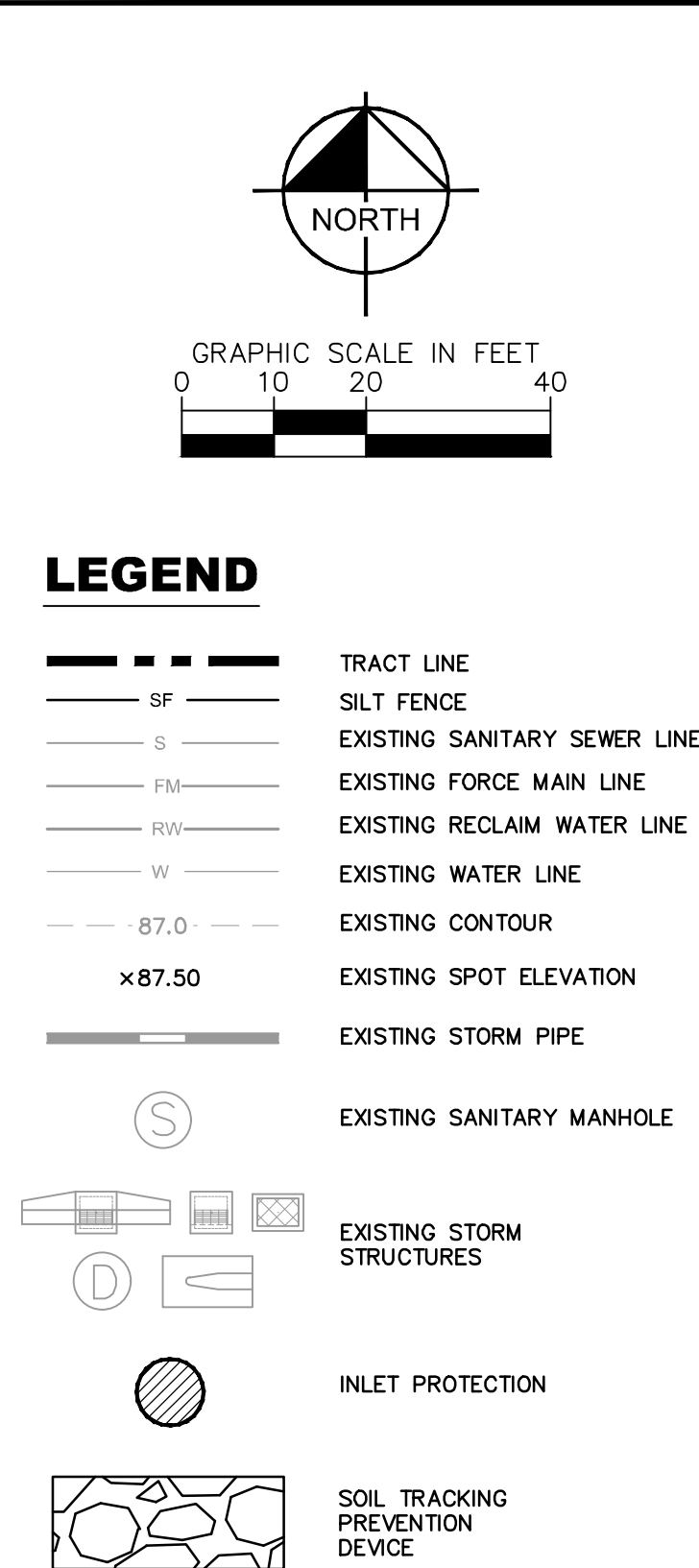
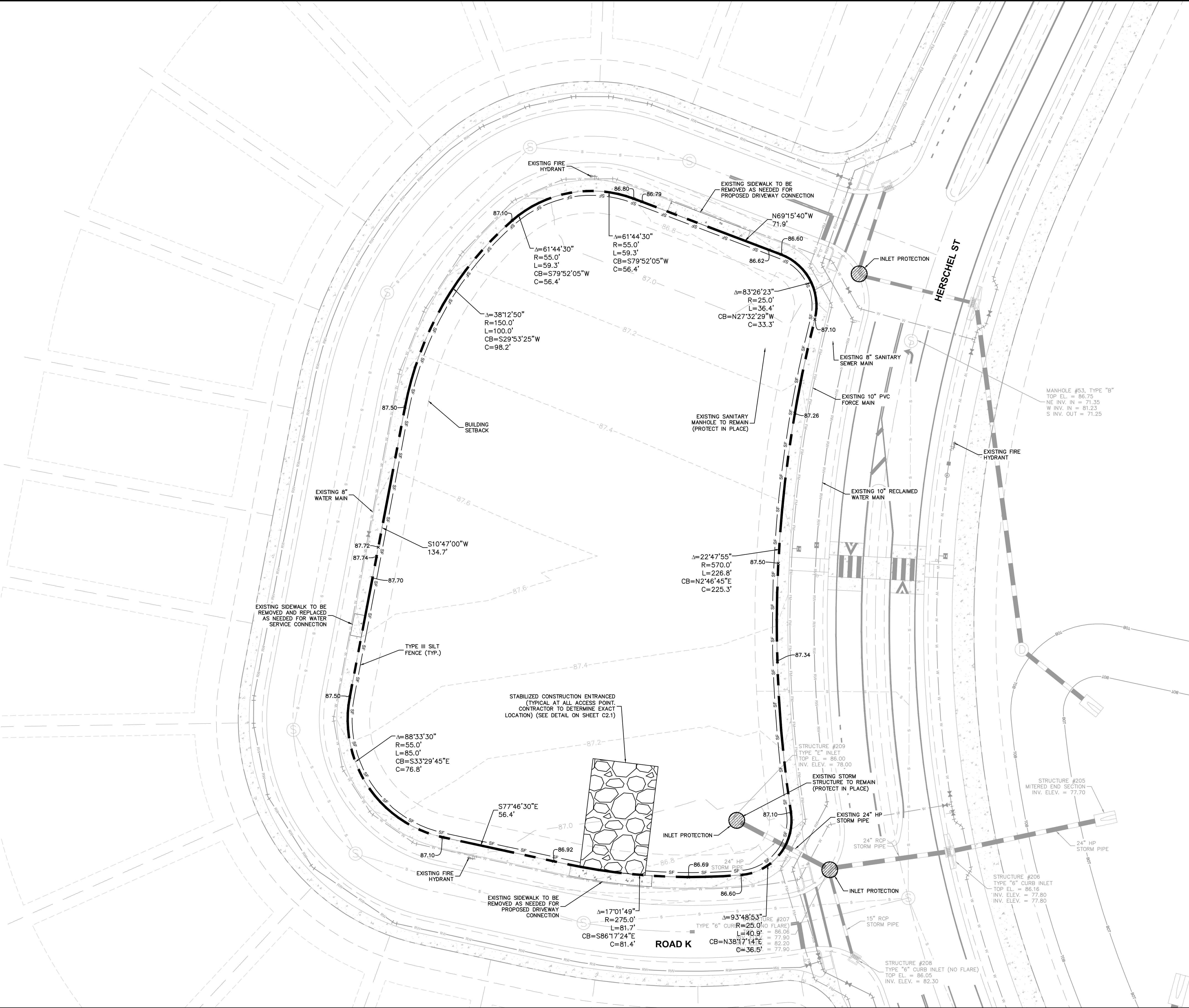
SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

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A	DRC COMMENTS	10-07-2025	BLW
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STATE OF FLORIDA SEAL		Blake J. Wagner	
KHA PROJECT 149658038	DATE 10/07/2025	SCALE AS SHOWN	DESIGNED BY NDF
DRAWN BY NDF		CHECKED BY BLW	FLORIDA
STORMWATER POLLUTION PREVENTION PLAN		HILLSIDE GROVES COMMON	
HOWEY-IN-THE-HILLS		SHEET NUMBER C2.0	



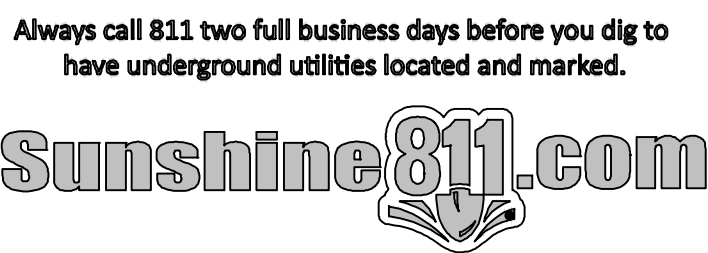


1. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY THE LOCATION, PLANS, THE EXISTING UTILITY INFORMATION SHOWN IS BASED ON THE HILLSIDE GROVE CONSTRUCTION PLANS DATED 04/18/2025 PROVIDED BY CONNELLY & WICKER ENGINEERING. THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES, AFFECTING THIS AREA PRIOR TO CONSTRUCTION WORK.
2. ELEVATIONS ARE SHOWN RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD83), BASED ON THE HILLSIDE GROVE CONSTRUCTION PLANS DATED 04/18/2025 PROVIDED BY CONNELLY & WICKER ENGINEERING.
3. THERE MAY BE ON-SITE UNDERGROUND EXISTING UTILITIES (INCLUDING BUT NOT LIMITED TO IRRIGATION, SANITARY SEWER, POTABLE WATER LINES, NATURAL GAS LINES, ELECTRIC, TELEPHONE, AND CABLE LINES) THAT WERE NOT LOCATED OR IDENTIFIED BY THE PROJECT SURVEYOR. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ON-SITE UTILITIES AND RIGHT-OF-WAY UTILITIES.
4. IF EXISTING UTILITIES ARE DISCOVERED THAT ARE NOT IDENTIFIED BY THE CONSTRUCTION DOCUMENTS, AND ARE NOT LOCATED OR IDENTIFIED BY THE CONTRACTOR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY PRIOR TO PROCEEDING WITH CONSTRUCTION.
5. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY FOR DEMOLITION REQUIREMENTS OF ELECTRICAL SYSTEMS.
6. INSTALL AND MAINTAIN SILT FENCE AT LIMITS OF CONSTRUCTION AND EXISTING RIGHT-OF-WAY. SILT FENCE SHALL BE USED AT ALL POINTS ALONG PROPERTY BOUNDARY WITH OFF-SITE STORMWATER FLOWS. SEE DETAIL SHEET C2.1
7. REMOVE SWPPP SHEET C2.0 FOR ADDITIONAL NOTES AND DETAILS.
8. PROVIDE SOIL TRAPPING PREVENTION DEVICE AT ALL EXISTING AND PROPOSED ACCESS POINTS. SEE DETAIL SHEET C2.1.
9. INSTALL AND MAINTAIN FILTER FABRIC UNDER GRATES OF EXISTING/PROPOSED INLETS. SEE SHEET C2.1.
10. CONTRACTOR TO ENSURE ADEQUATE COVER REMAINS OVER ALL EXISTING UTILITIES.
11. CONTRACTOR TO VERIFY EXISTING SANITARY, STORM, WATER, ELECTRIC, PHONE, CABLE, AND NATURAL GAS SERVICE LINES. ALL EXISTING UTILITIES AND DEMOLITION SERVICES ARE TO BE ISOLATED FROM THE MAINTENANCE UTILITY SERVICE CONNECTIONS, AND CAPPED AND/OR REMOVED AS REQUIRED BY THE UTILITY PROVIDER. UTILITIES ARE TO BE PROTECTED TO REMAIN IN PLACE THAT WILL ENSURE THAT ADJACENT PROPERTIES REMAIN CONNECTED WITHOUT EXPERIENCING AN INTERRUPTION OF SERVICE.
12. ALL OBSTACLES TO BE REMOVED UNLESS NOTED TO REMAIN.
13. ALL SIDEWALK CLOSURES SHALL BE IN COMPLIANCE WITH THE CITY OF HILLSIDE ORDINANCES.
14. ALL WORK WITHIN RIGHT-OF-WAY AND ADJACENT TO TRAVEL LANES TO FOLLOW FDOT INDEX #102-602 AND #102-603 FOR MAINTENANCE OF TRAFFIC. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW THROUGHOUT THE HOWEY-IN-THE-HILLS FOR ANY LAKE CLOSURES.

**Always call 811 two full business days before you dig to have underground utilities located and marked.**



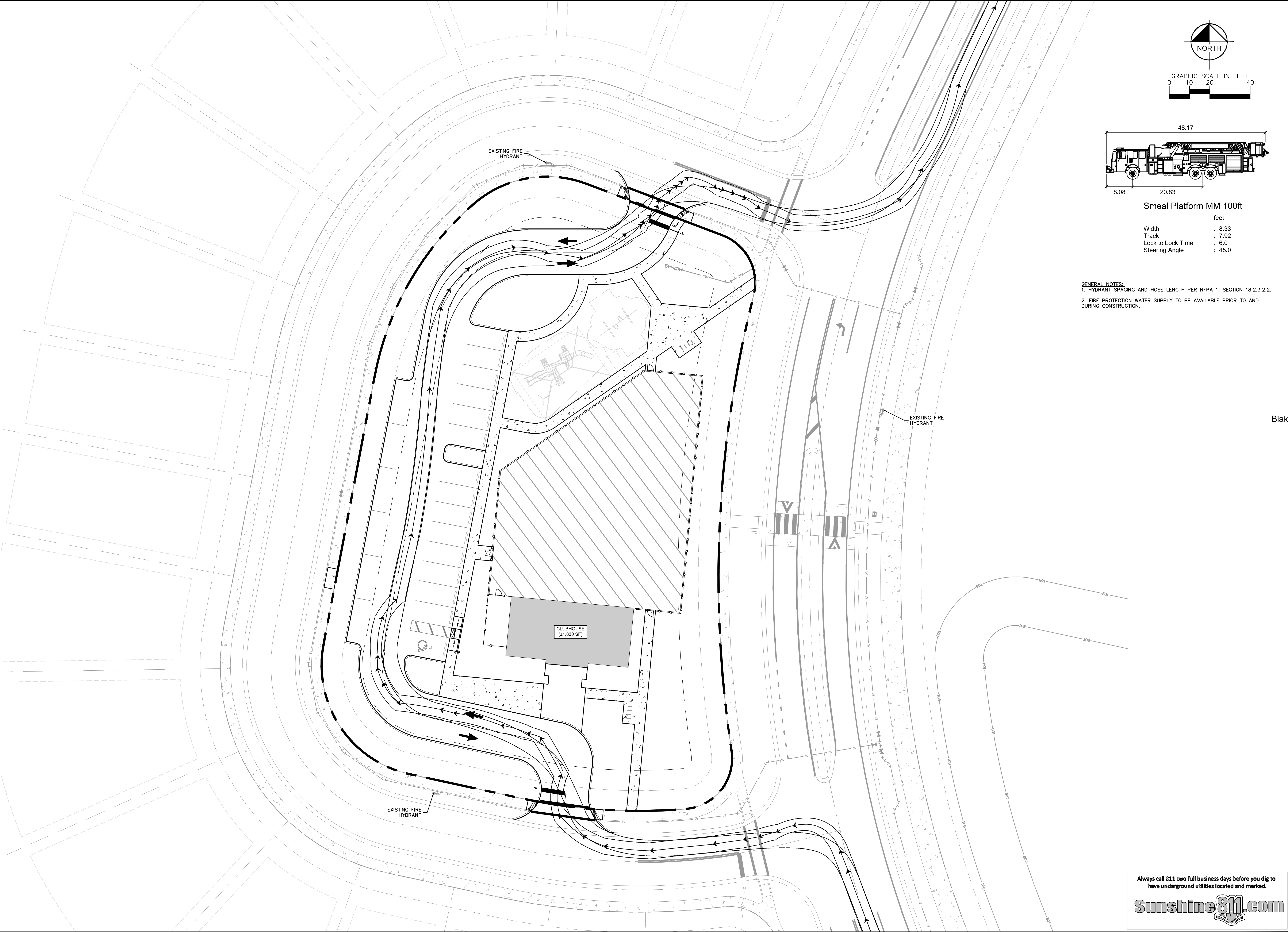
SHEET NUMBER C3.0		HILLSIDE GROVES COMMON		EXISTING CONDITIONS		KHA PROJECT 1496580.38 DATE 10/07/2025 SCALE AS SHOWN DESIGNED BY NDF DRAWN BY NDF CHECKED BY BJW		<div>John Wagner Professional Engineer State of Florida License No. 12456 Mechanical Engineering</div>		<div>Kimley»»Horn © 2025 KIMLEY-HORN AND ASSOCIATES, INC. 6876 MARWICK LANE, SUITE 350, ORLANDO, FL 32827 PHONE: (407) 536-4440 WWW.KIMLEY-HORN.COM REGISTRY No. 35106</div>		10-07-2025 BJW DRC COMMENTS	
		HOWEY-IN-THE-HILLS		FLORIDA						No. REVISIONS		DATE BY	



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Plotted By: Ferner, Nicholas Sheet Set: HILLSIDE GROVES COMMON Layout: FIRE TRUCK ROUTING PLAN October 07, 2023 04:52:20pm K:\ORL LAI\48658038\_Hillside Groves Common\CADD\CONSTRUCTION\Sheets\C4.1-FIRE TRUCK ROUTING.dwg

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STRUCTURE NAME:	DETAILS:
D-01	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 86.05 S. INV. OUT: 81.78 (18" RCP)
D-02	TYPE "B7" MANHOLE PER FDOT INDEX #425-010 TOP: 86.68 N. INV. IN: 81.42 (18" RCP) S. INV. IN: 83.40 (12" HDPE) S. INV. OUT: 81.42 (18" RCP)
D-03	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 86.3 N. INV. IN: 80.74 (18" RCP) E. INV. OUT: 80.74 (18" RCP)
EX-01	TYPE "E" INLET PER FDOT INDEX #425-052 TOP: 86.24 W. INV. IN: 80.00 (18" RCP) NW. INV. IN: 83.29 (10" HDPE) SE. INV. OUT: 78.00 (24" HDPE)
YD-01	12" YARD DRAIN WITH 12" CONCRETE COLLAR TOP: 87.63 N. INV. IN: 84.57 (6" HDPE) E. INV. OUT: 84.57 (6" HDPE)
YD-02	12" YARD DRAIN WITH 12" CONCRETE COLLAR TOP: 87.67 N. INV. IN: 83.88 (6" HDPE) W. INV. IN: 83.88 (6" HDPE) SE. INV. OUT: 83.88 (10" HDPE)
YD-03	12" YARD DRAIN WITH 12" CONCRETE COLLAR TOP: 87.88 N. INV. IN: 85.83 (6" HDPE) S. INV. OUT: 85.83 (6" HDPE)
YD-04	12" YARD DRAIN WITH 12" CONCRETE COLLAR TOP: 87.46 N. INV. IN: 84.01 (6" HDPE) E. INV. IN: 84.01 (6" HDPE) S. INV. IN: 84.01 (6" HDPE) W. INV. OUT: 83.80 (12" HDPE)



- GENERAL NOTES:
- 1: ALL EXISTING STRUCTURES, UNLESS OTHERWISE NOTED TO REMAIN, FENCING, TRUNKS WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OFF SITE. ANY BURNING ON SITE SHALL BE SUBJECT TO LOCAL ORDINANCES. SEE SPECIFICATIONS.
- 2: ALL DRAINAGE STRUCTURES SHALL BE PRE-CAST.
- 3: ALL DRAINAGE STRUCTURES AND STORM SEWER PIPES SHALL MEET HEAVY DUTY TRAFFIC (H20) LOADING AND BE INSTALLED ACCORDINGLY.
- 4: GENERAL CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES HAVING UNDERGROUND UTILITIES ON SITE OR RIGHT-OF-WAY PRIOR TO EXCAVATION OF ANY STRUCTURE. CONTRACTOR SHALL CONTACT UTILITY LOCATING COMPANY AND LOCATE ALL UTILITIES PRIOR TO GRADING START.
- 5: SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED FOR THE ENTIRE PROJECT.
- 6: ALL CUT OR FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED OR PER JURISDICTIONAL REQUIREMENTS.
- 7: EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED. ALL EXISTING PIPES ARE TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- 8: IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION, IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR TO ASSURE A SOUND AND CONTINUOUS AREA.
- 9: ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AND STRUCTURE IS WATER TIGHT.
- 10: CONTRACTOR IS TO ADJUST AND/OR EXTENDING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH AND CONTINUOUS DRIVEWAY.
- 11: CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND STRUCTURES FOR ALL GRASSSED AND PAVED AREAS.
- 12: CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO THE SAME.
- 13: CONTRACTOR IS RESPONSIBLE FOR TEMPORARY ACCESS ROADS, MAINTAIN POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION AND AVOID PONDING OR RUNOFF.
- 14: DETENTION POND OUTFLOW DEVICES SHALL BE DESIGNATED TO LIMIT FLOODS TO CAPACITY LEVELS OF DOWNSTREAM DRAINAGE STRUCTURES.
- 15: CONTRACTOR TO VERIFY T.A.S./A.D.A. COMPLIANCE PRIOR TO POURING CONCRETE. CONTRACTOR TO VERIFY ALL DIMENSIONS IMMEDIATELY.
- 16: GRADES IN ALL ACCESSIBLE ROADS, INCLUDING DRIVEWAY CROSSINGS, SHALL CONFORM TO ALL APPLICABLE A.D.A. AND T.A.S. STANDARDS; MAXIMUM RUNNING SLOPE FOR ALL PATHS IS 2% MAX. CROSS SLOPE FOR ALL PATHS IS 2% FOR THE FIRE LANE FROM THE DOOR, A 2% SLOPE IN ALL DIRECTIONS (MAX) MUST BE MAINTAINED.
- 17: IN GENERAL, THE MAXIMUM RUNNING SLOPE SHALL NOT EXCEED .5%, THE MINIMUM SLOPE SHALL NOT BE INFERRIOR THAN 1.5% AND THE PREFERRED SLOPE SHALL BE 2%.
- 18: REFER TO LANDSCAPE PLANS FOR LANDSCAPE/HARDSCAPE DETAILS.
- 19: THE CONTRACTOR SHALL INSTALL, AS PART OF THE IMPROVEMENTS AND PRIOR TO CERTIFICATE OF COMPLETION, DRUM CURBS AND HANDICAP RAMPS AT ALL INTERSECTIONS WITH THE PROPOSED FACILITY.
- 20: CONTRACTOR TO VERIFY A.D.A. & A.S.A. SPECIFICATIONS.
- 21: CONTRACTOR TO VERIFY ENGINEERING PLANS MATCH ARCHITECTURAL/STRUCTURAL PLANS PRIOR TO CONSTRUCTION BEGINNING.
- 22: LANDSCAPE AREAS ADJACENT TO BUILDING TO DRAIN AWAY FROM BUILDING AT A MINIMUM OF 2% SLOPE.
- 23: AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL PROVIDE SUFFICIENT DRAINAGE AREAS FOR EVIDENCE OF PONDING, ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF; CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
- 24: IF THE VALLEY CREEK MEDIAN DRAINAGE STRUCTURE IF ASPHALT PAVEMENT IS USED, REFER TO CONSTRUCTION DETAILS
- 25: SEE SHEET C3.0 FOR APPROXIMATE LOCATION OF EXISTING UTILITIES.
- 26: ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS. CONTRACTOR TO SUBTRACT PAYMENT THICKNESS AND SLAB THICKNESS FOR SUBGRADE ELEVATIONS.
- 27: CONTRACTOR SHALL REFER TO ARCHITECTURAL AND PLUMBING PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ALL VESTIBULE ENTRANCES, SIDEWALKS, EXIT DOORS, RAMP, DRUG DOGS, PRECISE DRIBBLE DIMENSIONS AND EXACT UTILITY ENTRANCE LOCATIONS.
- 28: TERMITE SPRAY IF NEEDED IS TO BE PROVIDED FOR FOUNDATION BY THE GENERAL CONTRACTOR.
- 29: SITE PREPARATION TO BE PROVIDED BY CONTRACTOR TO INCLUDE:
  - A. PROTECTING EXISTING VEGETATION TO REMAIN.
  - B. REMOVING EXISTING VEGETATION.
  - C. CLEARING AND GRUBBING.
  - D. STRIPPING AND STOCKPIILING TOPSOIL.
  - E. REMOVING ABOVE- AND BELOW-GRADE SITE IMPROVEMENTS.
  - F. DISCONNECTING, CAPPING OR SEALING ALL UTILITIES.
  - G. TEMPORARY EROSION CONTROL.
- 30: NONE OF THE PROPERTY DESIGNATED AS STREETS OR ALLEYS (COMMON AREAS), ARE NOT AND WILL NOT BE A PART OF THE TOWN OF HOWE-IN-THE-HILLS SYSTEMS OF PUBLIC ROADS, AND SHALL REMAIN PRIVATE AND THE SOLE AND EXCLUSIVE PROPERTY OF THE OWNER, ITS SUCCESSORS, AND/OR ASSIGNS.

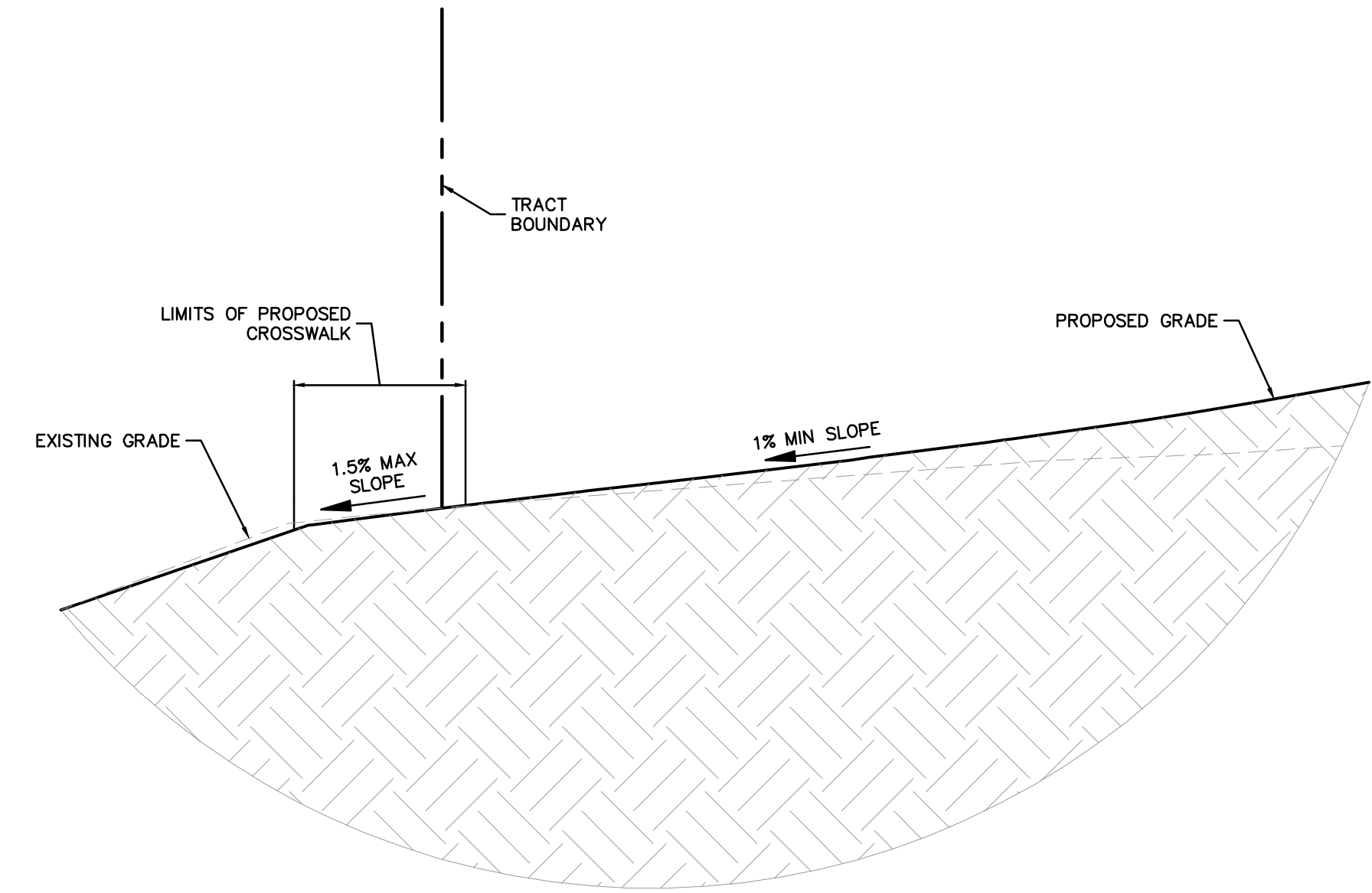
**Always call 811 two full business days before you dig to have underground utilities located and marked.**



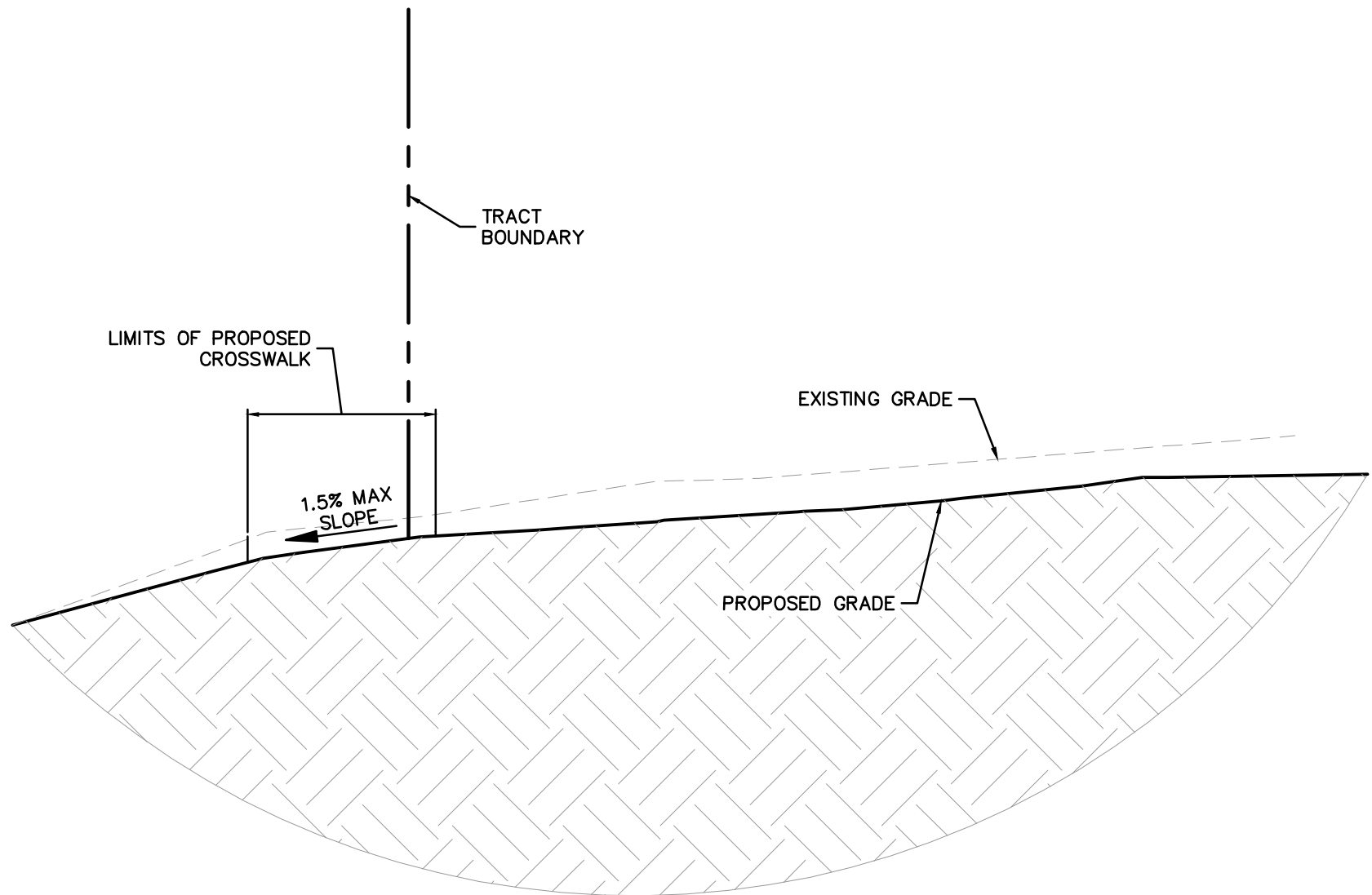
SHEET NUMBER	C5.0
HILLSIDE GROVES COMMON	FLORIDA
HOWEY-IN-THE-HILLS	
PAVING GRADING AND DRAINAGE	
KHA PROJECT 149658038	STATE OF FLORIDA SEAL 
DATE 10/07/2025	DRAWN BY NDP
SCALE AS SHOWN	CHECKED BY NDP
DESIGNED BY NDP	REGISTERED PROFESSIONAL ENGINEER MICHAEL WAGNER, P.E., NO. 12912
<p align="center"><b>Kimley»Horn</b></p> <p align="center">© 2025; KIMLEY-HORN AND ASSOCIATES, INC. 6876 MARWICK LANE, SUITE 350, ORLANDO, FL 32827 PHONE: (407) 536-4440 WWW.KIMLEY-HORN.COM      REGISTRY No. 35106</p>	
A/DRC COMMENTS	10-07-2025 BJW
No.	REVISIONS
Date	BY

Plotted By: Ferner, Nicholas Sheet Set: HILLSIDE GROVES COMMON Layout: C5.1 - SECTIONS October 07, 2025 04:52:47pm K:\ORL\_LA\149658038\_Hillside Groves Common\CADD\CONSTRUCTION\PlanSheets\C5.1-DRAIN.dwg

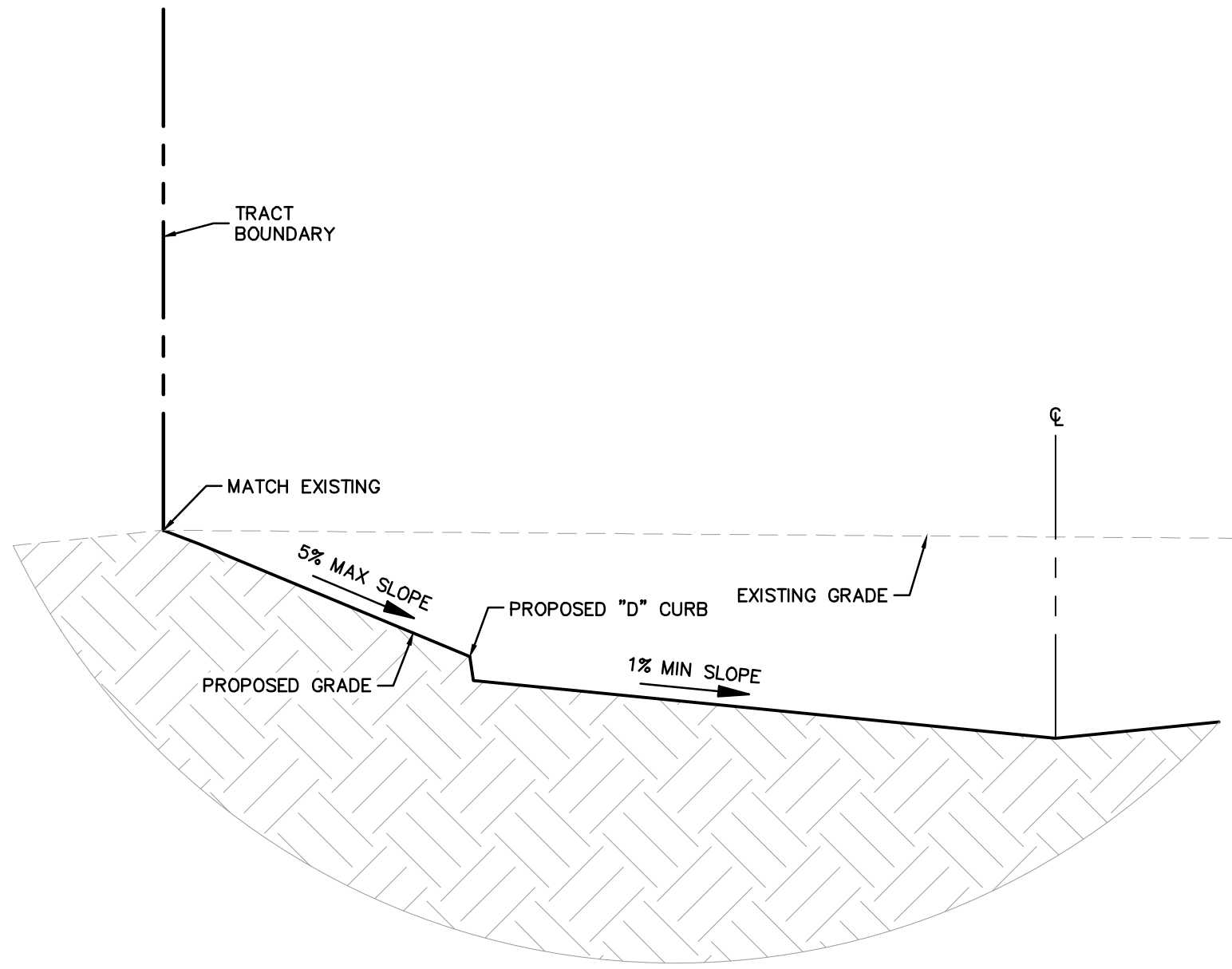
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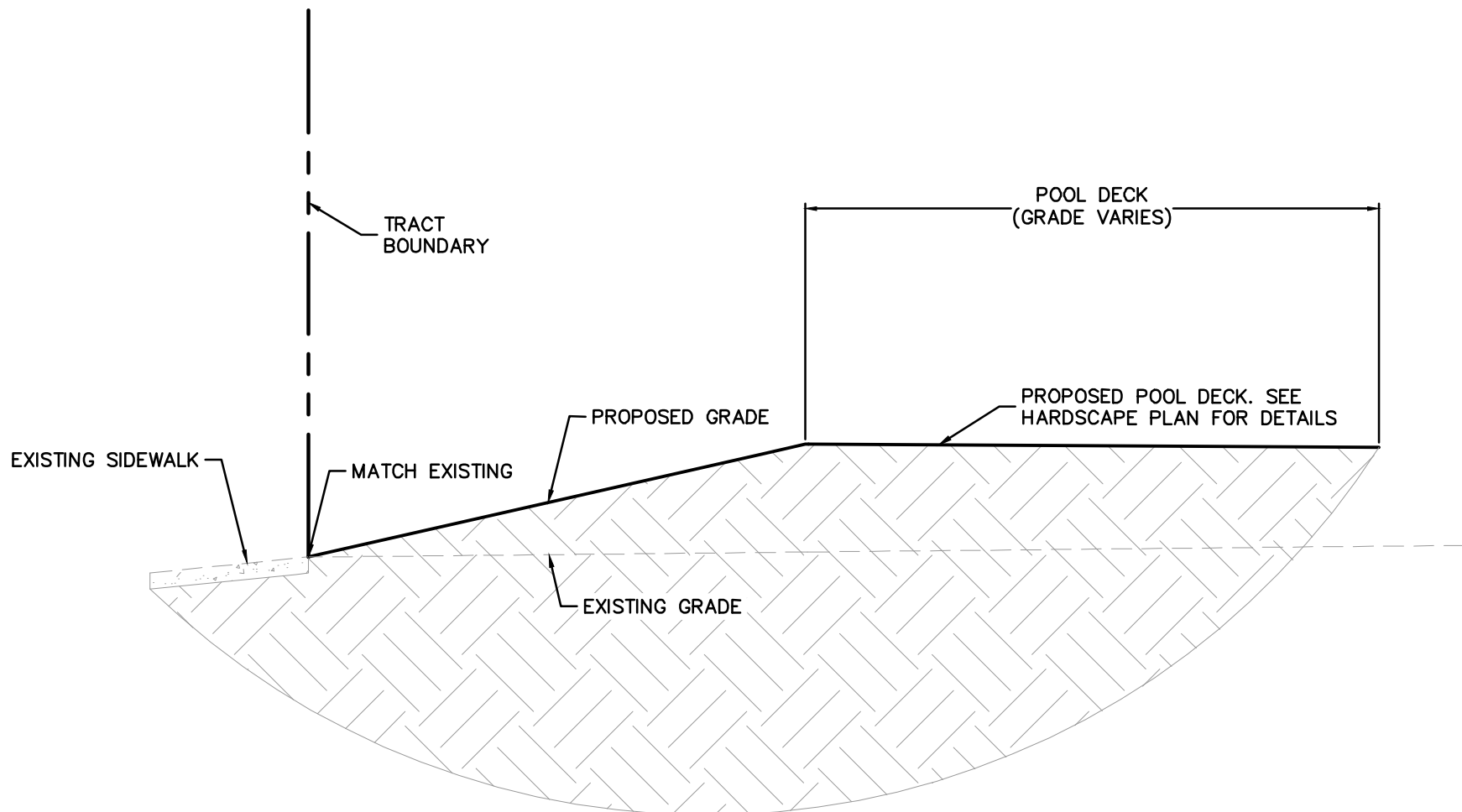
SECTION A-A  
NTS



SECTION C-C  
NTS



SECTION B-B  
NTS

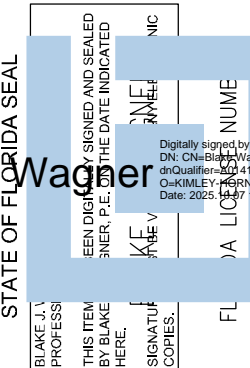


SECTION D-D  
NTS

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Blake Wagner



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A			
No.			
REVISIONS			
		DATE	BY

HILLSIDE GROVES  
COMMON

HOWEY-IN-THE-HILLS  
FLORIDA

SHEET NUMBER  
C5.1

SECTIONS

KHA PROJECT 149658038	DATE 10/07/2025	SCALE AS SHOWN	DESIGNED BY NDF	DRAWN BY NDF	CHECKED BY BJW
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Plotted By: Ferrer, Nicholas Sheet Set: HILLSIDE GROVES COMMON Layout: C6.0 - UTILITY PLAN October 07, 2025 04:52:59pm K:\ORL LA\149658038 Hillside Groves Common\CADD\CONSTR\Plan\Sheet\C6.0-UTL.dwg  
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GENERAL FIRE SERVICE NOTES:

1. ALL UNDERGROUND MAINS SERVING FIRE HYDRANTS OR FIRE PROTECTION SPRINKLER SYSTEMS ON PRIVATE PROPERTY MUST BE PERMITTED PRIOR TO INSTALLATION. THE DRAWING SHALL INDICATE THAT ALL UNDERGROUND FIRE MAINS WILL BE INSTALLED IN ACCORDANCE WITH NFPA 24 (2021 EDITION, "STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES". [F.A.C. 69A-60.005(2)]
2. ALL FIRE SERVICE MAIN LOCATED DOWNSTREAM OF THE FIRE POINT OF SERVICE SHALL BE INSTALLED BY A QUALIFIED AND LICENSED CONTRACTOR. CONSTRUCTION AND MATERIALS SHALL COMPLY WITH APPLICABLE FIRE CODE. CONTRACTOR TO VERIFY REQUIREMENTS WITH THE TOWN OF HOWEY-IN-THE-HILLS PRIOR TO SHOP DRAWING REVIEW.

August 25, 2025  
KHA Job# 149658038

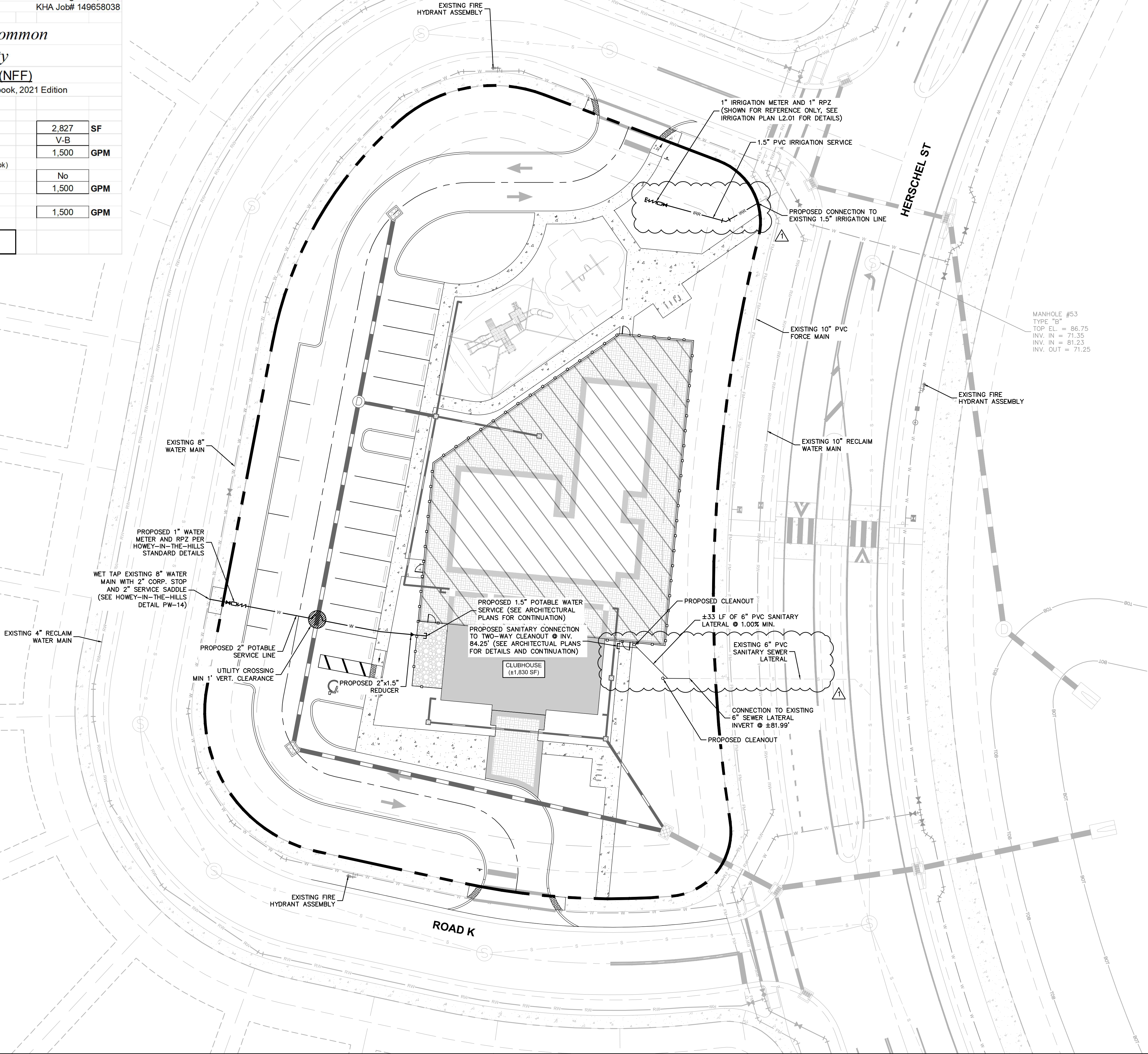
Hillside Groves Common  
Pool/Amenity

Needed Fire Flow (NFF)

per NFPA 1 Uniform Fire Code Handbook, 2021 Edition

*Building Fire Area=	2,827	SF
Building Type (per NFPA 220) =	V-B	
Associated Min. Required Fire Flow=	1,500	GPM
(per Table 18.4.4.2.1 of the NFPA 1 Uniform Fire Code Handbook)		
Fire Sprinkler - Yes or No=	No	
Calculated Fire Flow=	1,500	GPM
(with 75% fire sprinkler credit, if applicable)		
Minimum Fire Flow Required=	1,500	GPM

Fire Flow Provided= 1,500 GPM



LEGEND

- PROPERTY LINE
- S- EXISTING SANITARY SEWER LINE
- FM- EXISTING FORCE MAIN LINE
- RW- EXISTING RECLAIM WATER LINE
- W- EXISTING WATER LINE
- S- EXISTING STORM PIPE
- S- PROPOSED SANITARY LINE
- W- PROPOSED WATER LINE
- IRR- PROPOSED IRRIGATION SERVICE LINE
- S- PROPOSED STORM PIPE
- ☼ PROPOSED FIRE HYDRANT
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING STORM STRUCTURES
- ⊙ PROPOSED SANITARY MANHOLE
- ⊙ PROPOSED STORM STRUCTURES

NOTES:

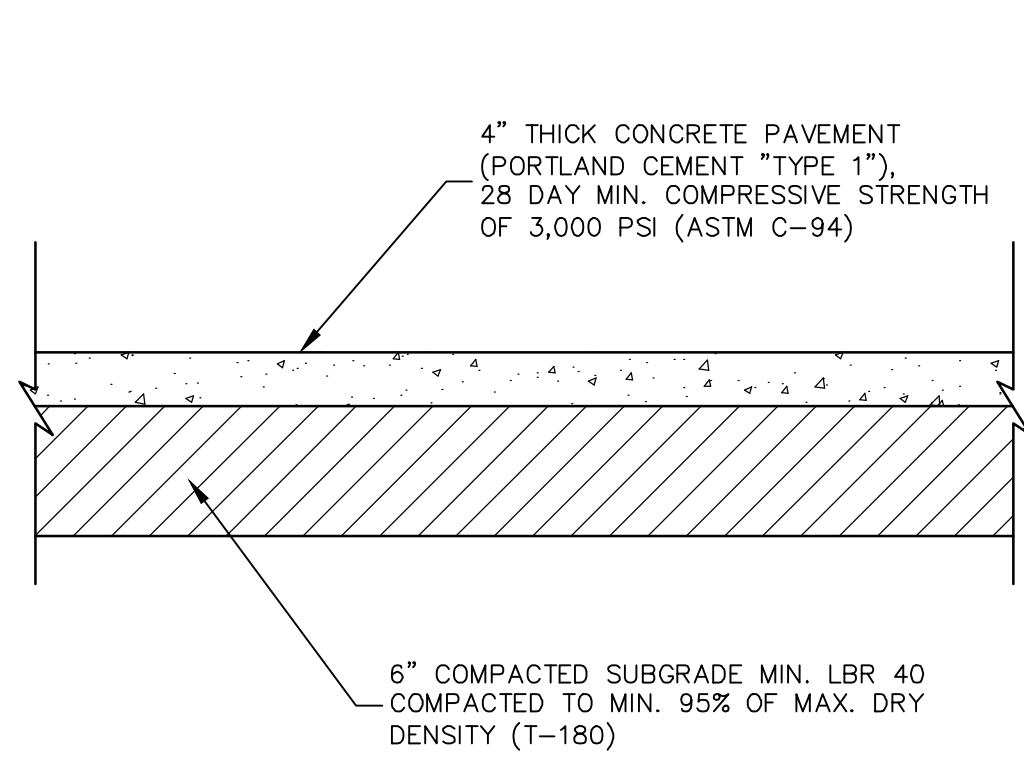
1. CONTRACTOR TO CONFIRM UNDERGROUND UTILITY LOCATIONS, DEPTHS, AND SIZES PRIOR TO COMMENCING CONSTRUCTION.
2. CONTRACTOR TO COORDINATE PROPOSED TRANSFORMER LOCATIONS AND ELECTRIC SERVICE WITH POWER COMPANY AND OWNER. TRANSFORMERS AND SERVICE LINES SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS. CONTRACTOR TO CONFIRM PAD AND BOLLARD REQUIREMENTS.
3. CONTRACTOR TO COORDINATE PROPOSED TELEPHONE SERVICE AND ROUTING WITH CABLE COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
4. CONTRACTOR TO COORDINATE PROPOSED GAS SERVICE AND ROUTING WITH GAS COMPANY AND OWNER. SERVICE CONNECTIONS SHOWN FOR INFORMATIONAL PURPOSES ONLY. DESIGNED & PERMITTED BY OTHERS.
5. ALL POTABLE WATER UTILITIES SHALL BE IN ACCORDANCE WITH THE TOWN OF HOWEY-IN-THE-HILLS STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO BE FAMILIAR WITH THESE STANDARDS.
6. REFER TO THE TOWN OF HOWEY-IN-THE-HILLS STANDARD NOTES & DETAILS, SHEET C8.0-C8.2.
7. ALL UTILITIES LOCATED OUTSIDE PUBLIC RIGHT-OF-WAY AND PUBLIC EASEMENTS SHALL BE PRIVATELY OWNED AND MAINTAINED.
8. MAINTAIN A MINIMUM OF 3 FEET OF COVER OVER ALL PROPOSED WASTEWATER WATER LINES. PLEASE REFER TO THE LATEST VERSION OF THE HOWEY-IN-THE-HILLS CONSTRUCTION SPECIFICATION MANUAL.
9. A MINIMUM OF 3 FEET HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL UTILITY MAINS, CURB, AND STORM WATER STRUCTURES.

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HILLSIDE GROVES COMMON	FLORIDA	SHEET NUMBER C6.0	UTILITY PLAN	KHA PROJECT 149658038	DATE 10/07/2025	SCALE AS SHOWN	DESIGNED BY NDF	DRAWN BY NDF	CHECKED BY BLW	MADE BY BLW	REGISTERED PROFESSIONAL ENGINEER PE 94305	Blake Wagner	© 2025 KIMLEY-HORN AND ASSOCIATES, INC. 6876 MARWICK LANE, SUITE 350, ORLANDO, FL 32827 PHONE: (407) 536-4440 WWW.KIMLEY-HORN.COM	Kimley»Horn	DRC COMMENTS	BY BLW	DATE	REVISIONS

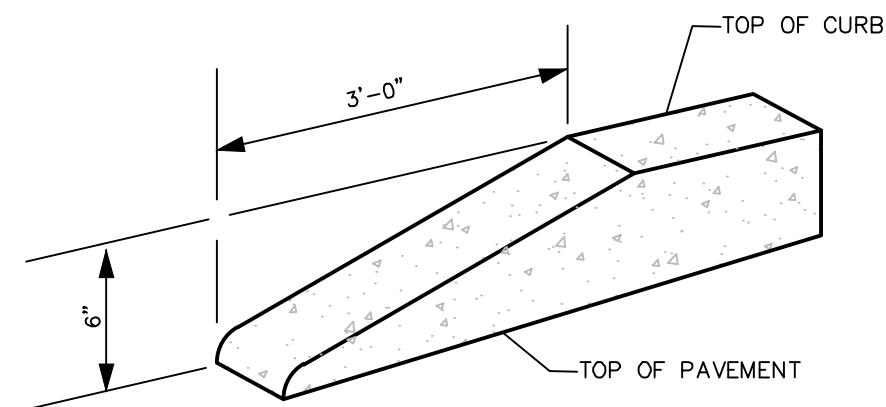
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## CONCRETE SIDEWALK DETAIL

SIDEWALK NOTES:

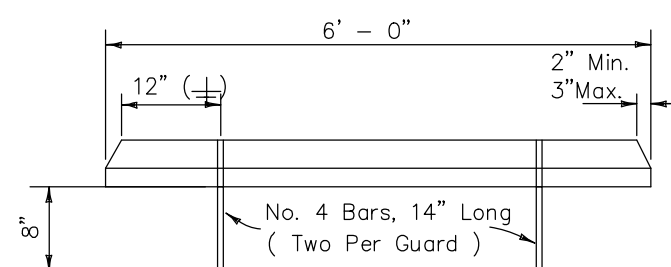
1. ALL CONCRETE SIDEWALKS SHALL BE CONSTRUCTED PER FDOT STANDARD PLANS #522-001.



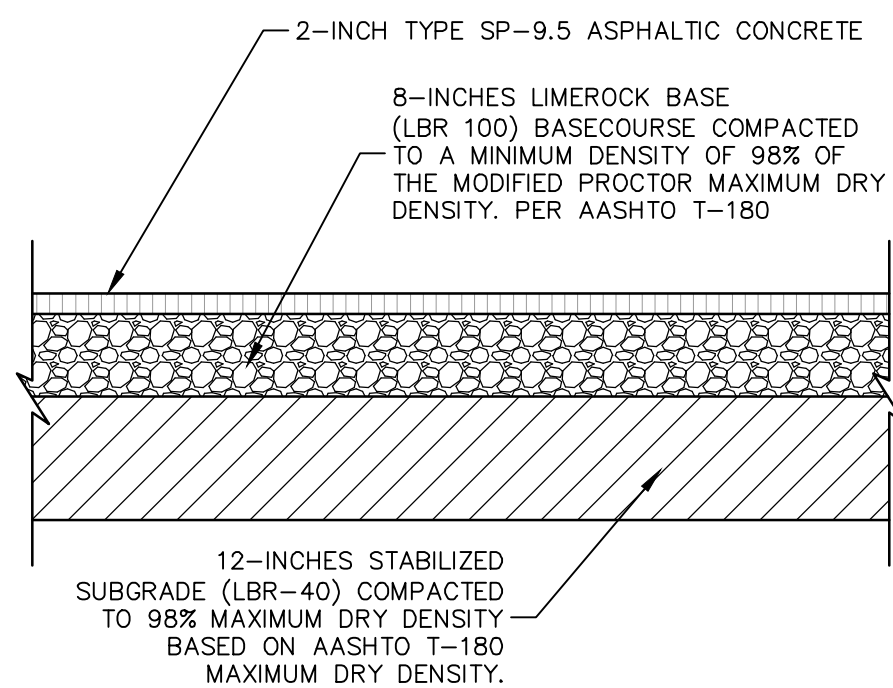
### CURB TERMINUS TRANSITION DETAIL

NOTE:

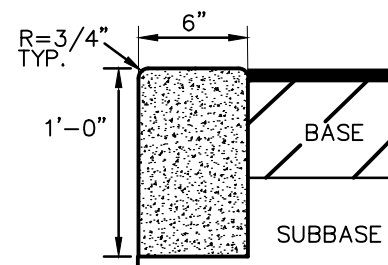
NOTE:  
ALL CURBS TO HAVE STANDARD 3' TRANSITION FROM 6" HEIGHT TO FLUSH (0" HEIGHT). A STANDARD TEMPLATE SHALL BE USED AT ALL LOCATIONS TO PROVIDE UNIFORM CURB TRANSITION THROUGHOUT THE PROJECT.



WHEEL STOP FRONT VIEW



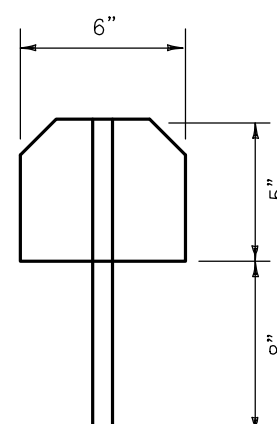
### TYPICAL "MEDIUM DUTY" ASPHALT PAVEMENT DETAIL



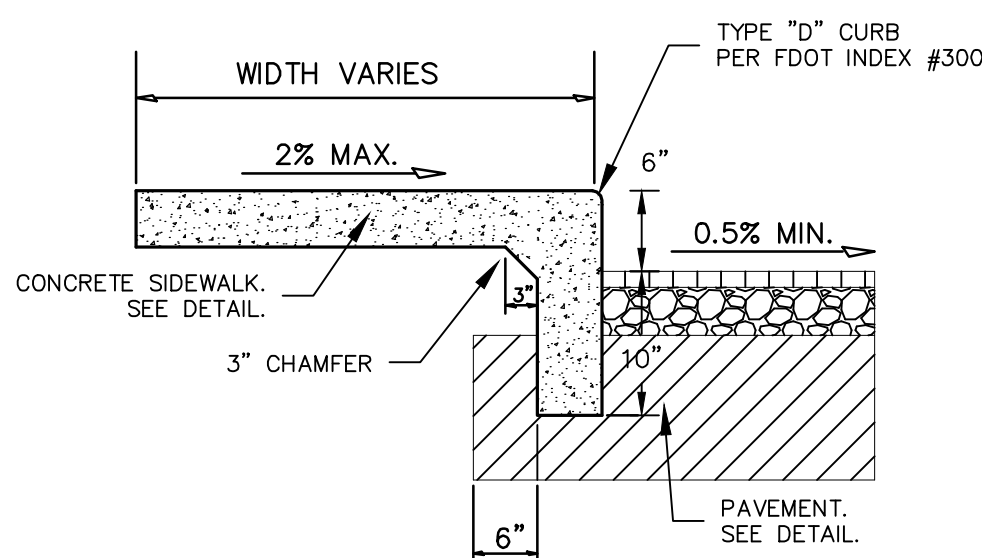
## RIBBON CURB

## NOTES

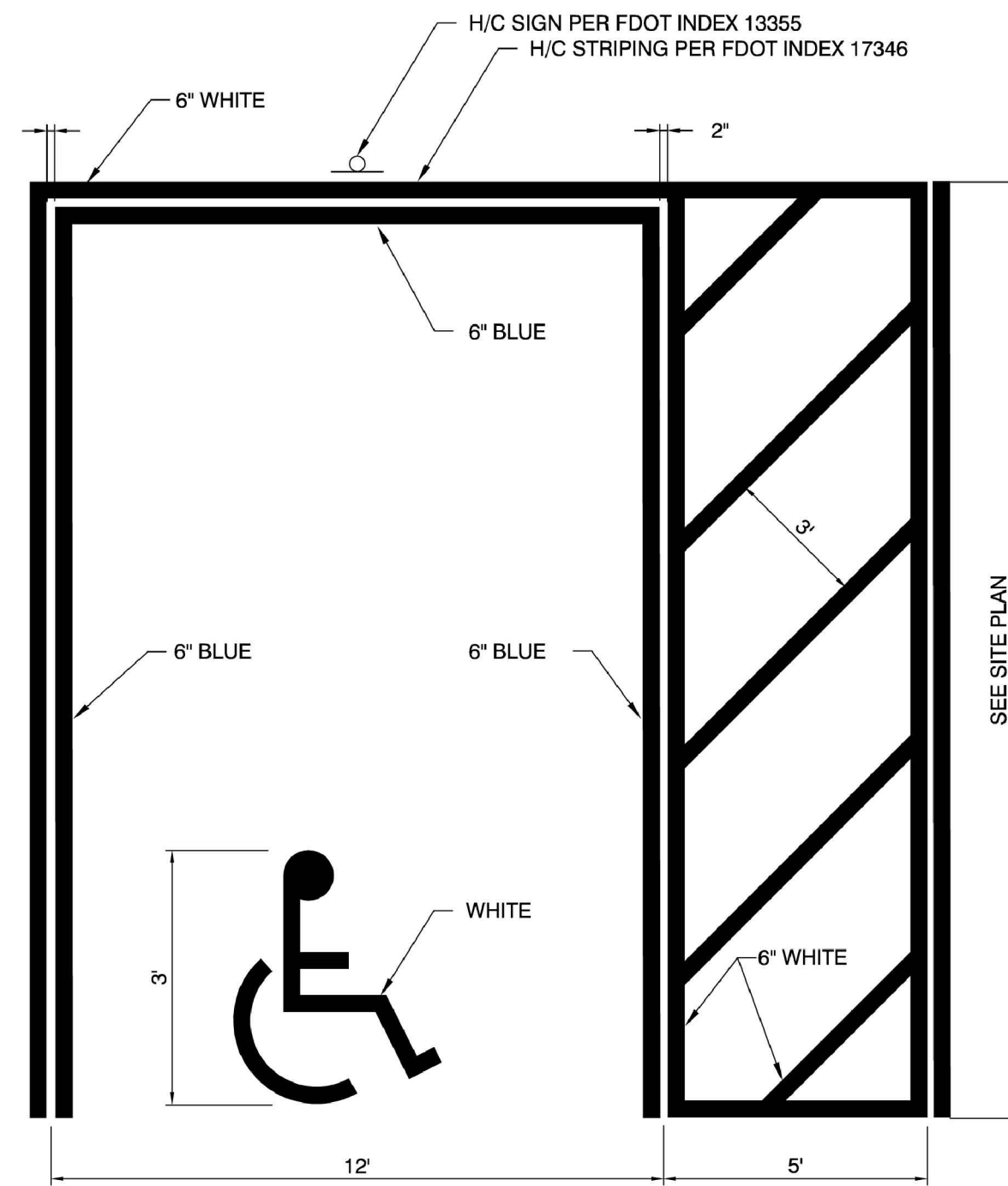
1. ALL CURBS TO BE CONSTRUCTED OF 28 DAY, 3000 P.S.I. CONCRETE
2. 1/2" PRE-MOLDED EXPANSION JOINT REQUIRED EVERY 500', CONSTRUCTION JOINT REQUIRED EVERY 10' MAXIMUM (4' MINIMUM).
3. 6" SUBBASE TO BE COMPACTED AND TESTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST AND SHALL BE STABILIZED TO A MINIMUM L.B.R. 40.
4. IN NO INSTANCE SHALL EXTRUDED CURBS (DEFINED AS HEADER-TYPE



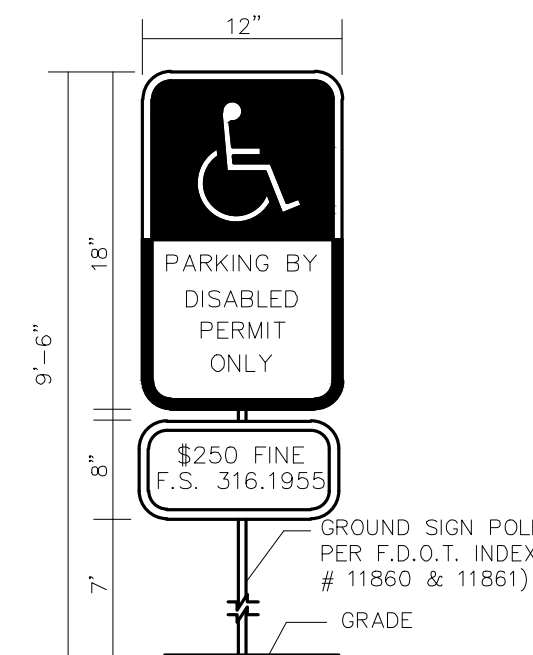
WHEEL STOP PROFILE (TYP.)



### SIDEWALK INTEGRAL CURB DETAIL



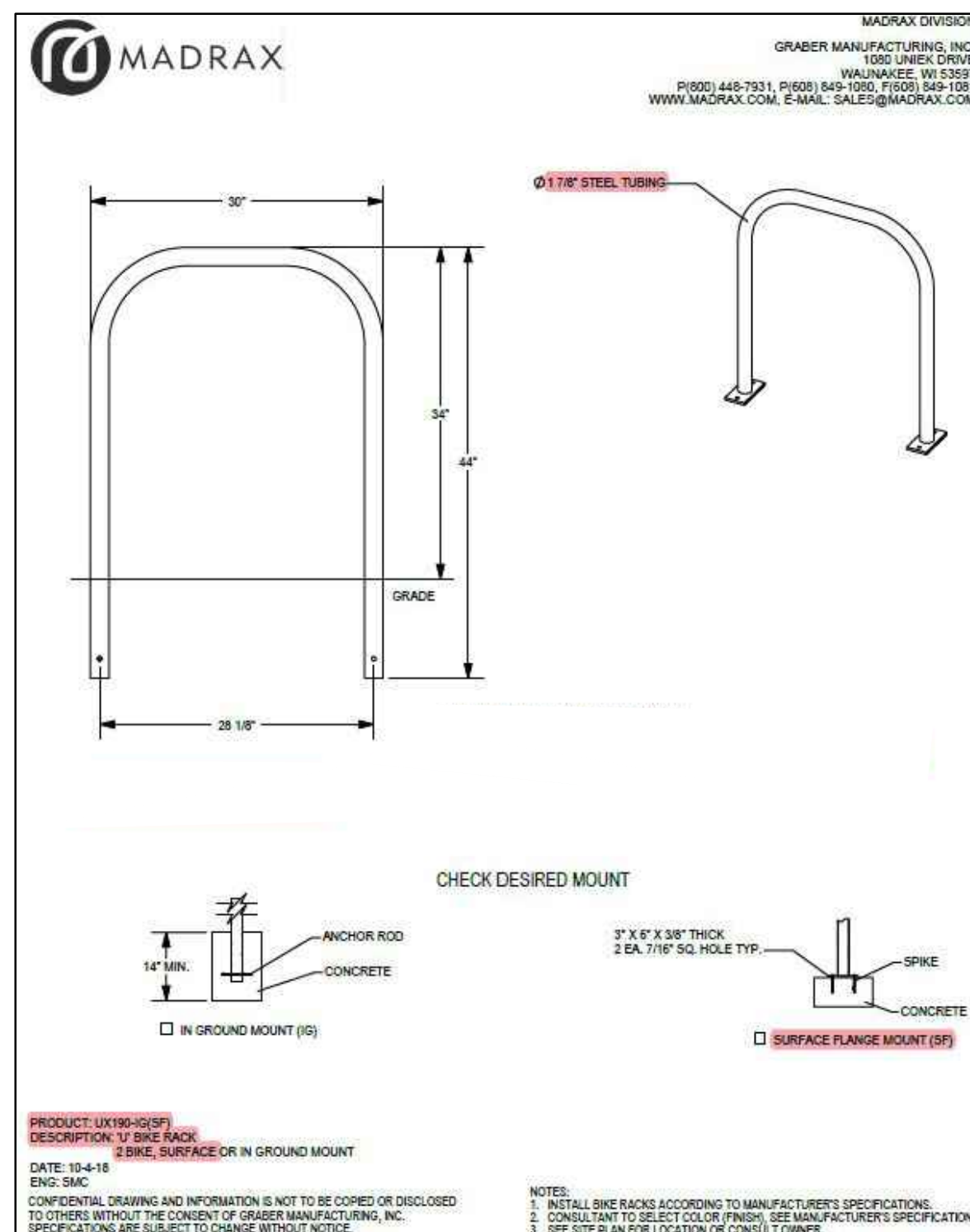
## HANDICAP PARKING PAVEMENT MARKING



NOTES

1. ALL LETTERS ARE 1" SERIES "C" PER MUTCD.
2. TOP PORTION OF SIGN SHALL HAVE REFLECTORIZED (ENGINEERING GRADE) BLUE BACKGROUND WITH WHITE REFLECTORIZED LEGEND AND BORDER.
3. BOTTOM PORTION OF SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
4. FINE NOTIFICATION SIGN SHALL HAVE A REFLECTORIZED (ENGINEERING GRADE) WHITE BACKGROUND WITH BLACK OPAQUE LEGEND AND BORDER.
5. ONE (1) SIGN REQUIRED FOR EACH PARKING SPACE.
6. INSTALLATION HEIGHT OF SIGN SHALL BE IN ACCORDANCE WITH SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

### HANDICAP SIGN DETAIL



**Always call 811 two full business days before you dig to have underground utilities located and marked.**

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## CONSTRUCTION DETAILS

# HILLSIDE GROVES COMMON

HOWEY-IN-THE-HILLS  
FLORIDA

SHEET NUMBER  
**C7.0**

1	DRC COMMENTS

10-07-2025	BJW
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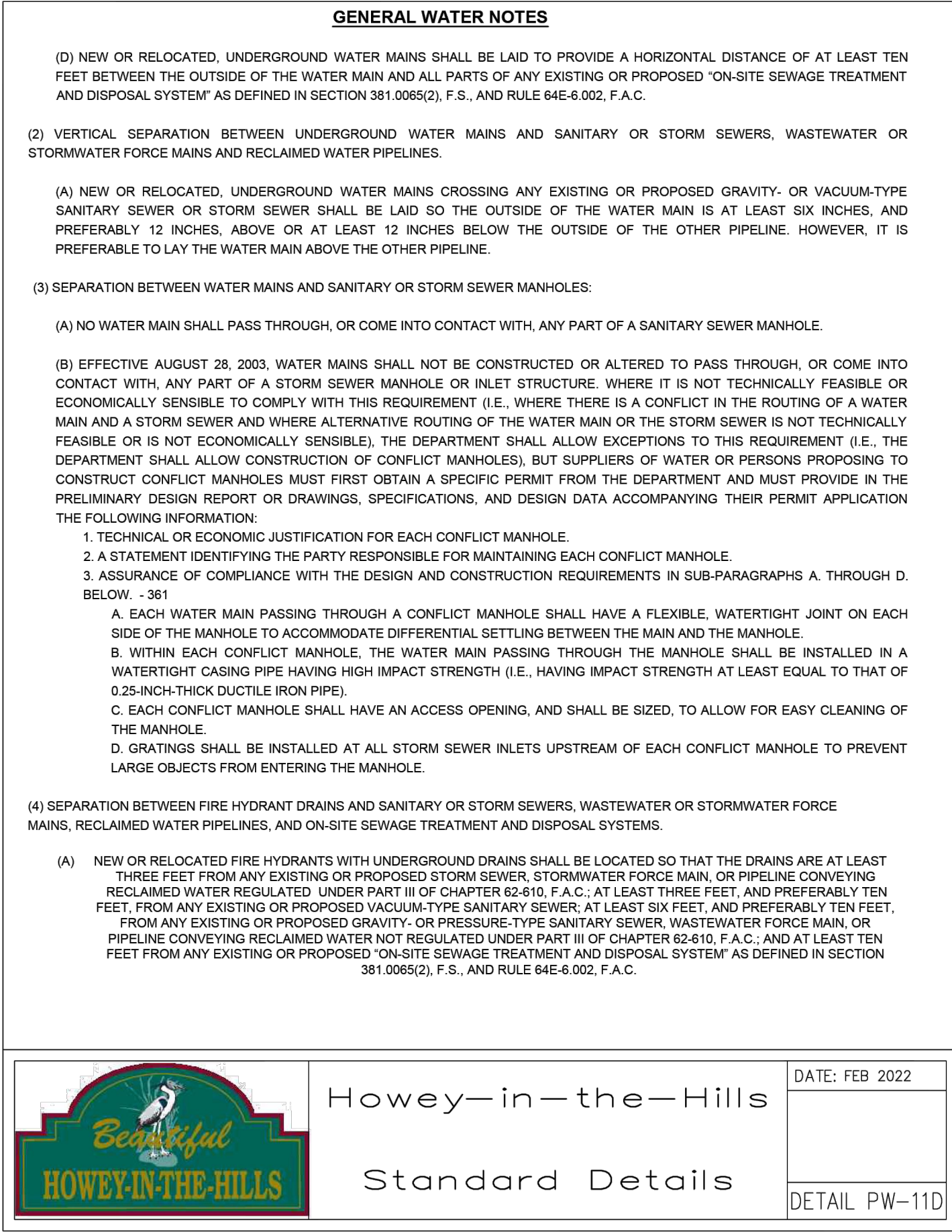
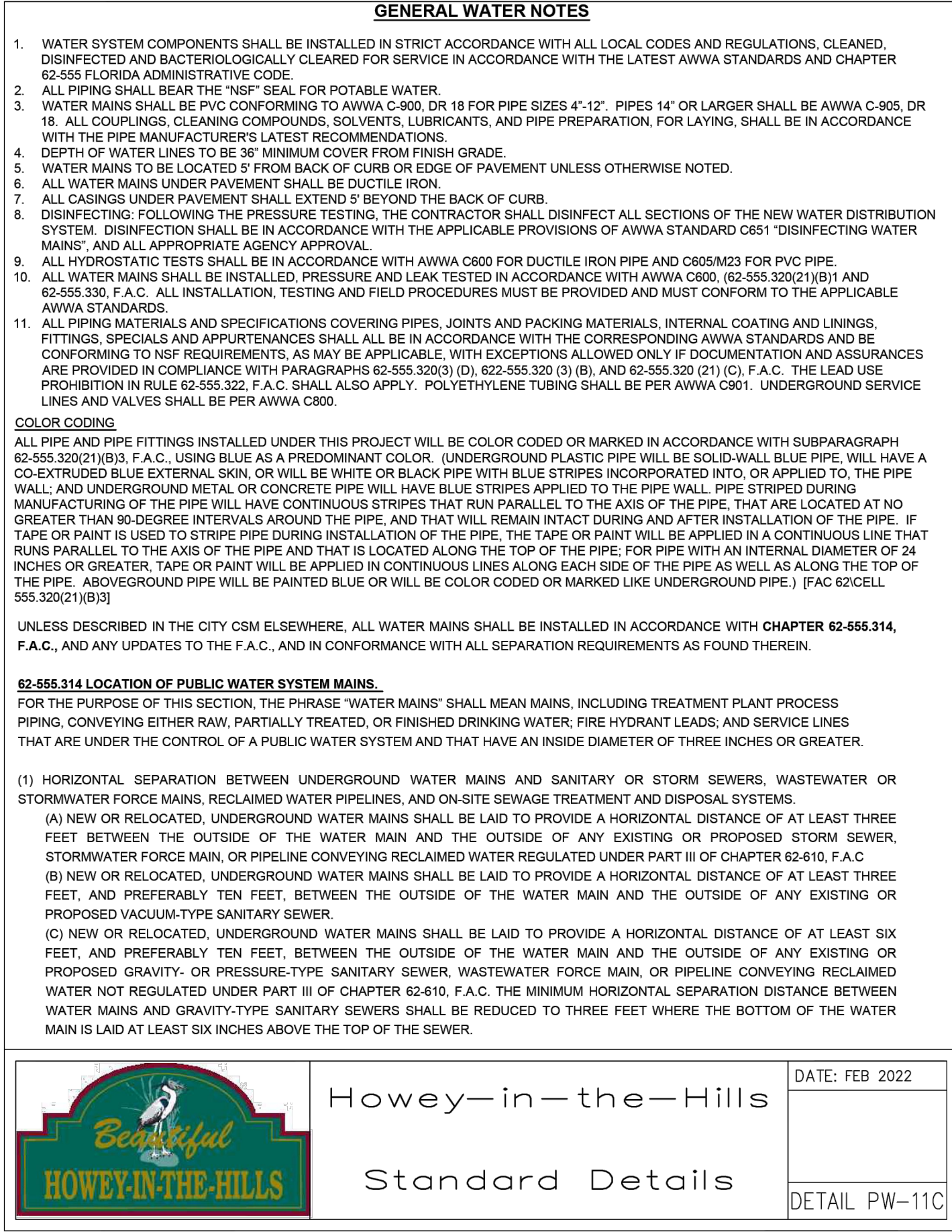
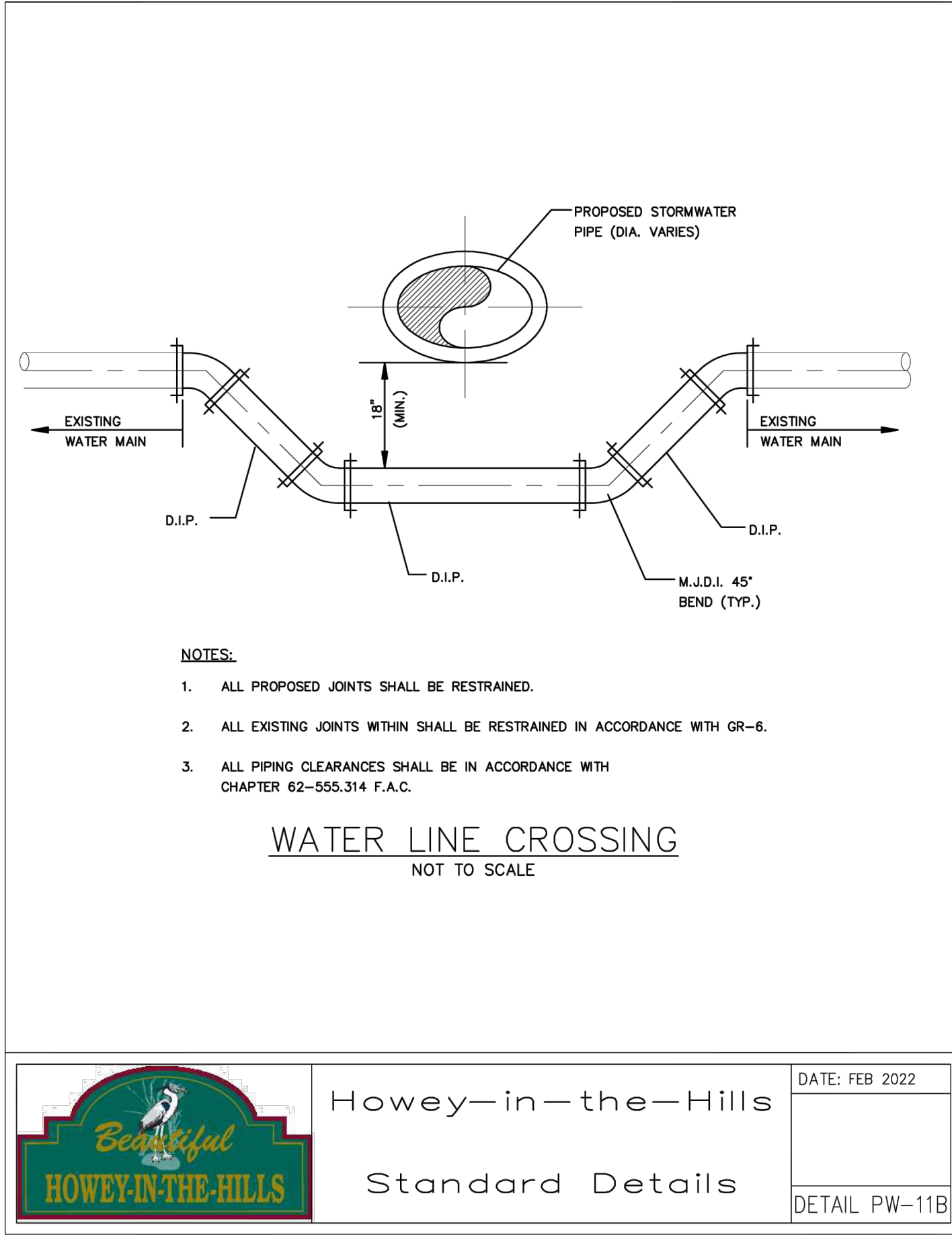
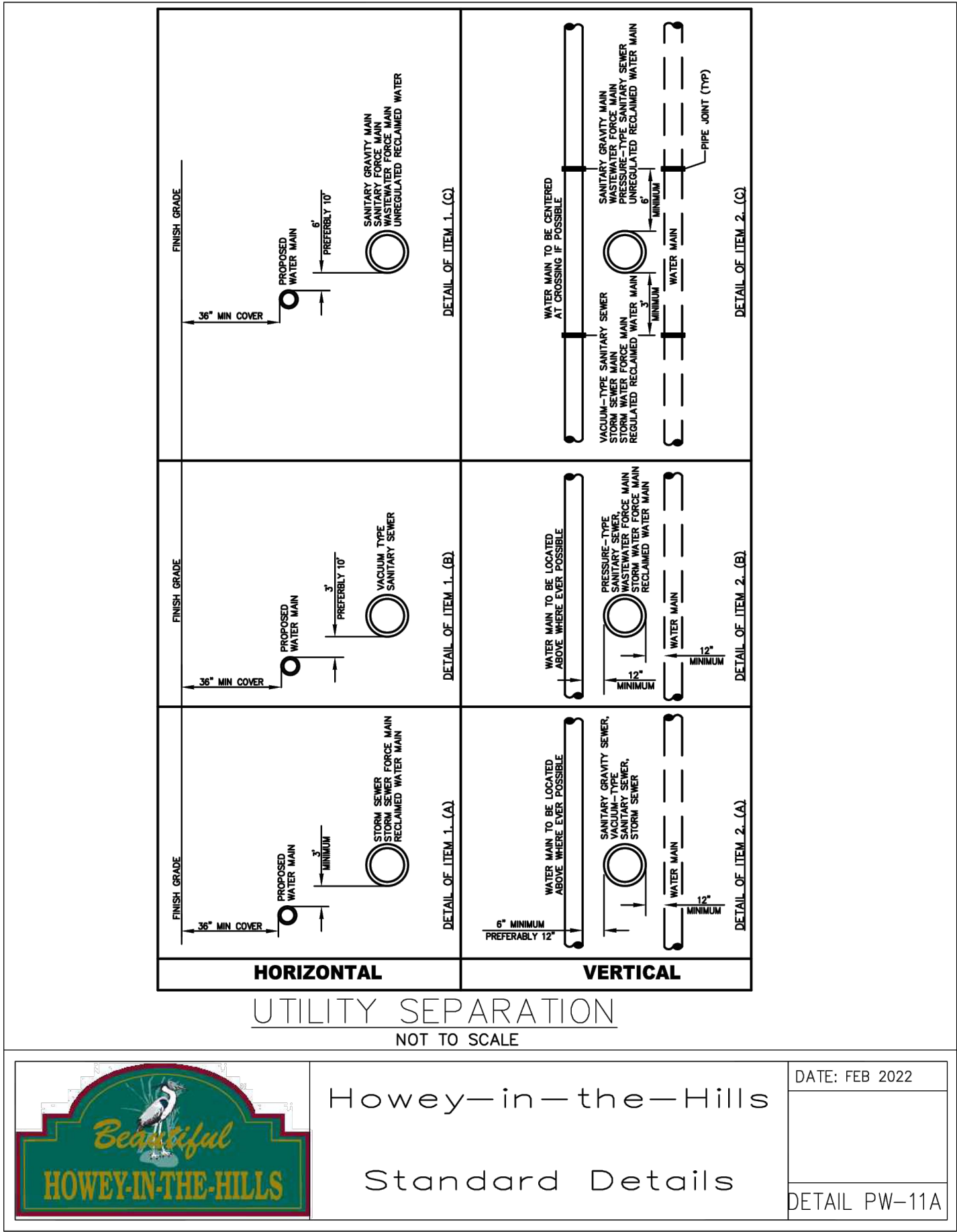
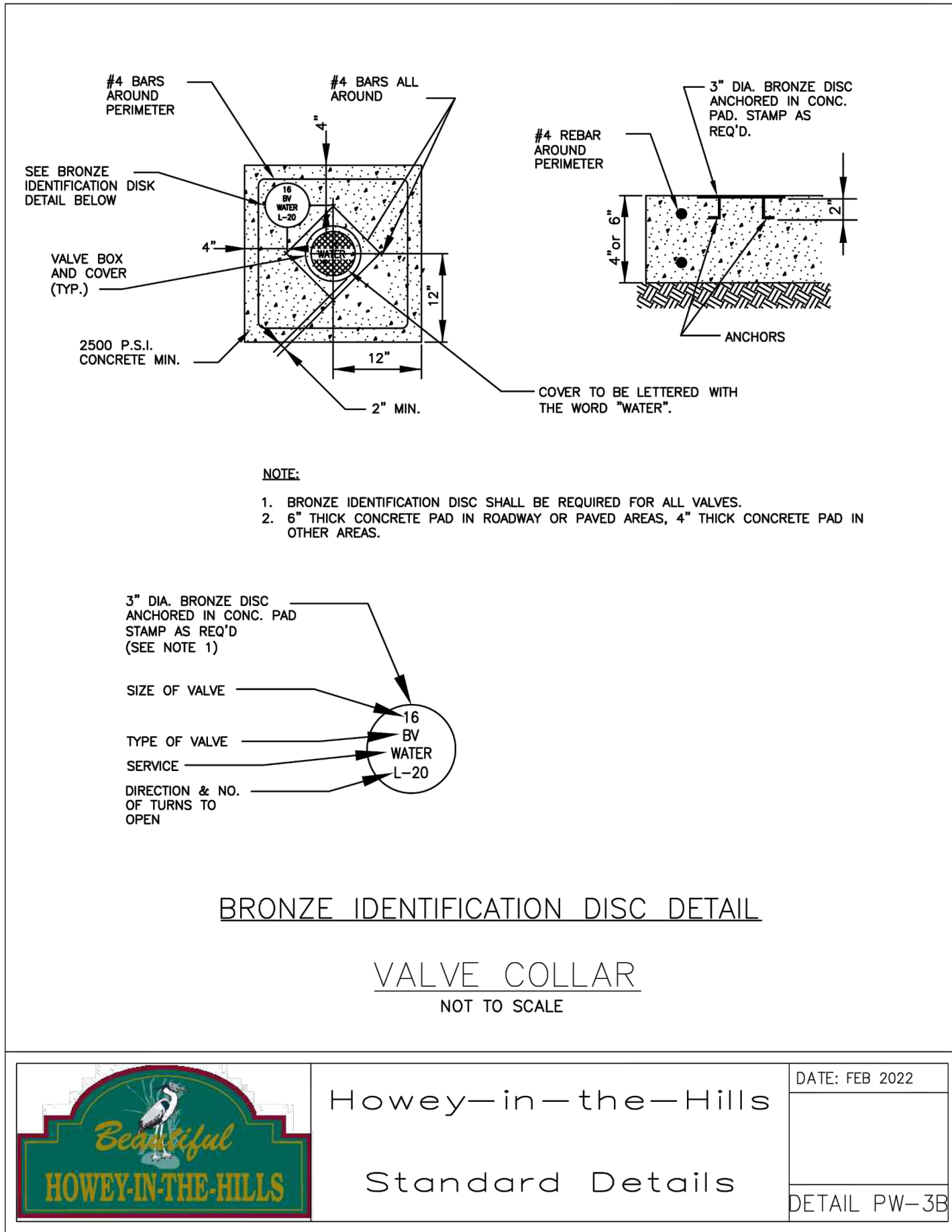
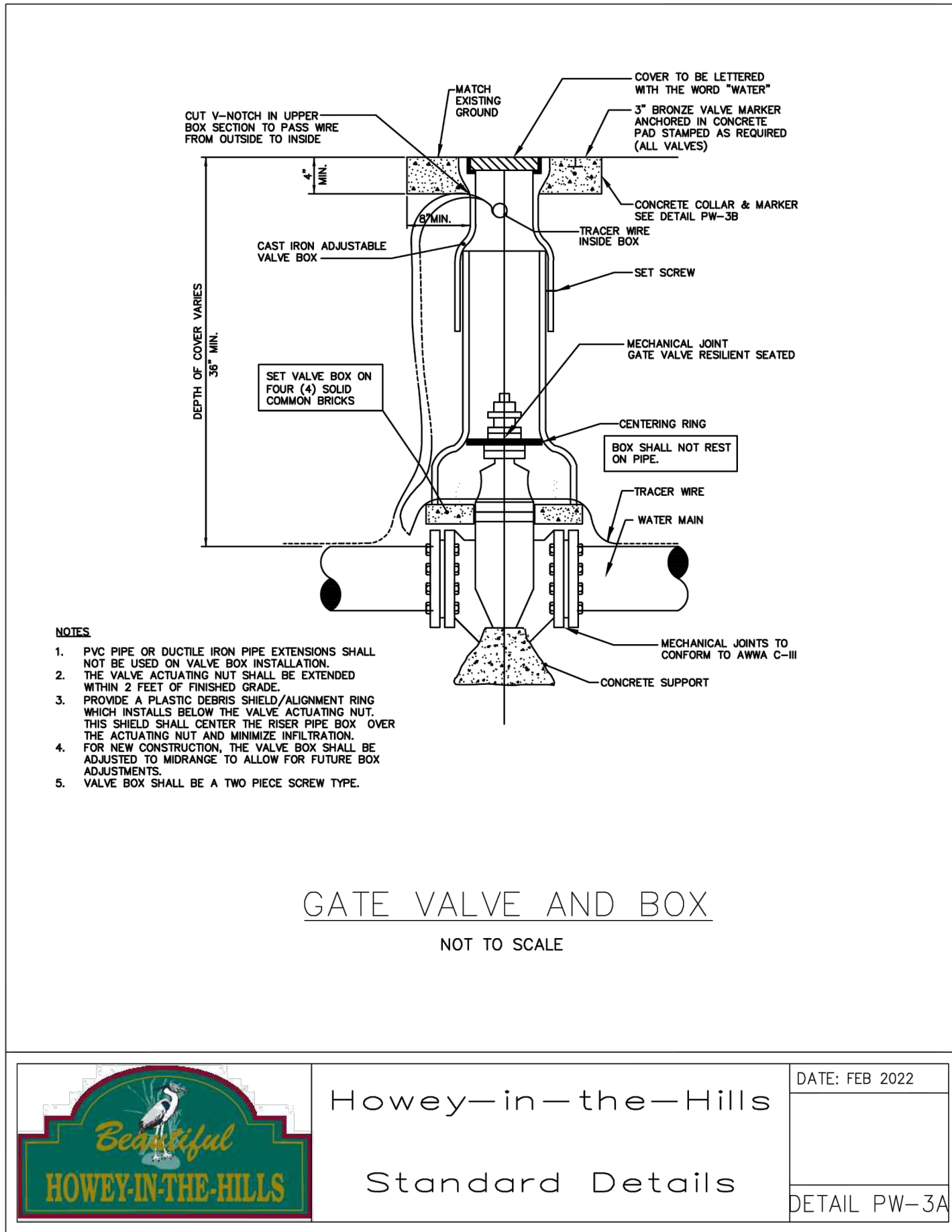
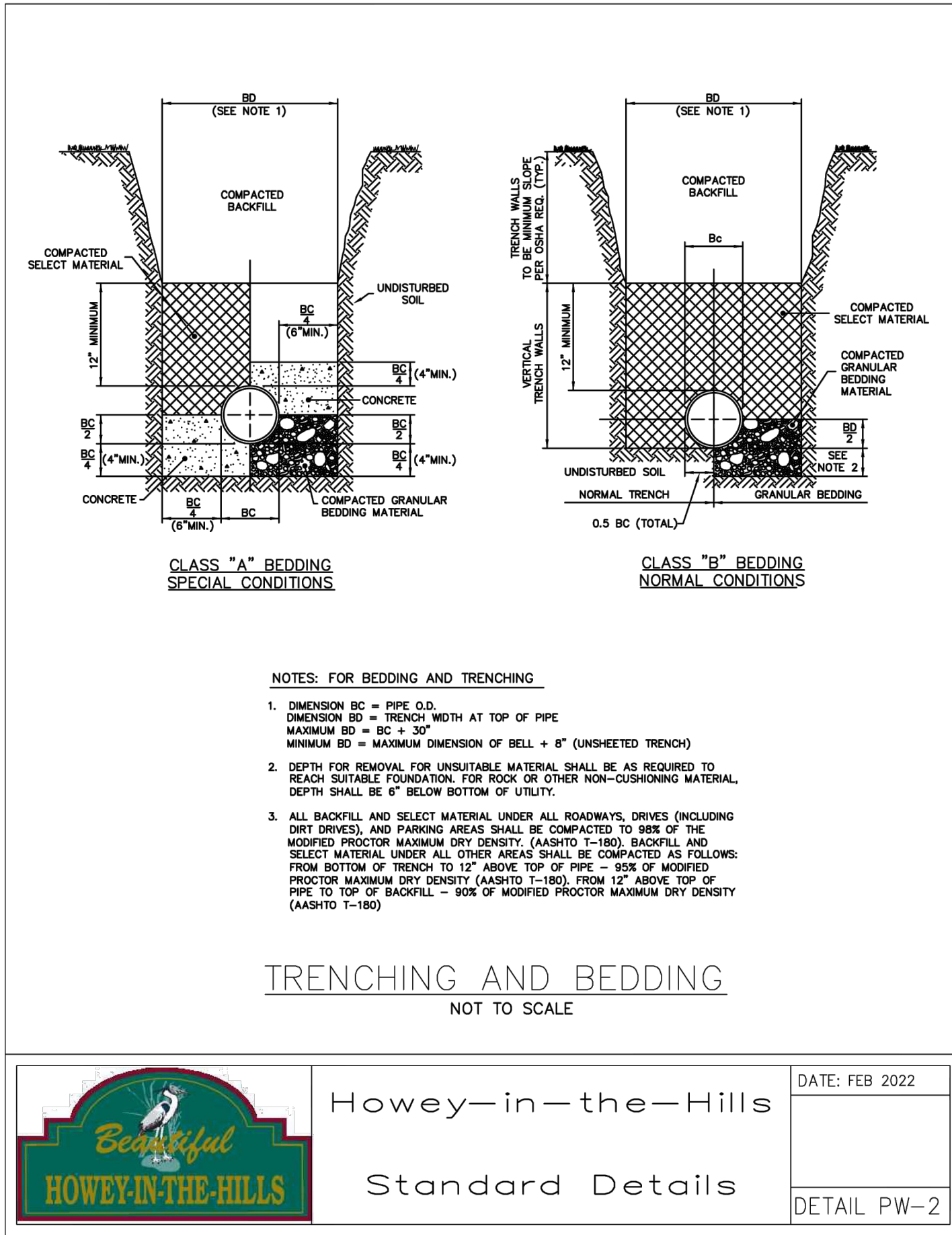
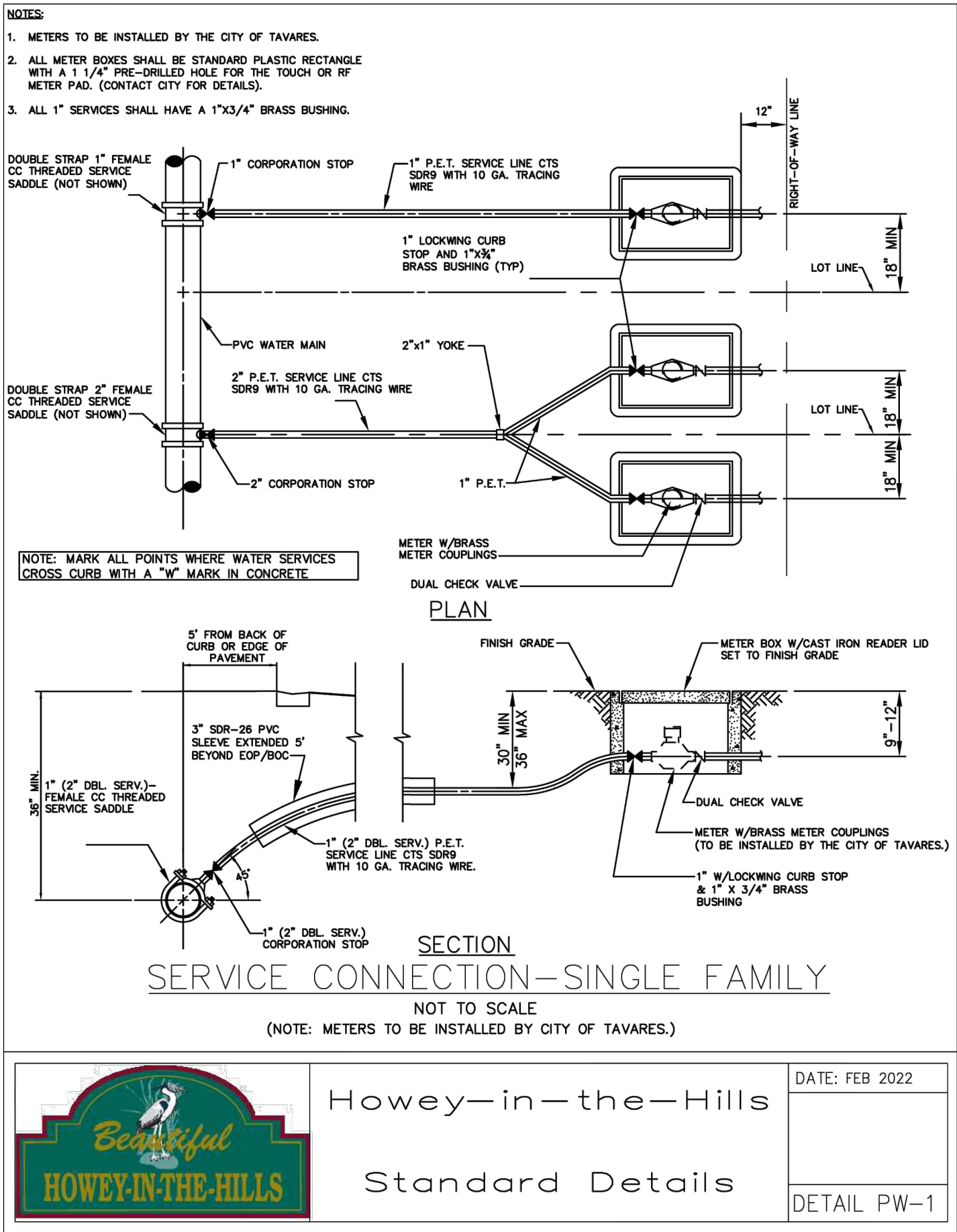
REVISIONS

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Plotted By: Ferrer, Nicholas. Sheet Set: HILLSIDE GROVES COMMON. Layout: HOWEY-IN-THE-HILLS DETAILS. October 07, 2025. 04:53:28pm. K:\ORL\_LAI\49858038\_Hillside Groves Common\CADD\CONSTR\Plan\Sheets\C7-DETAILS.dwg  
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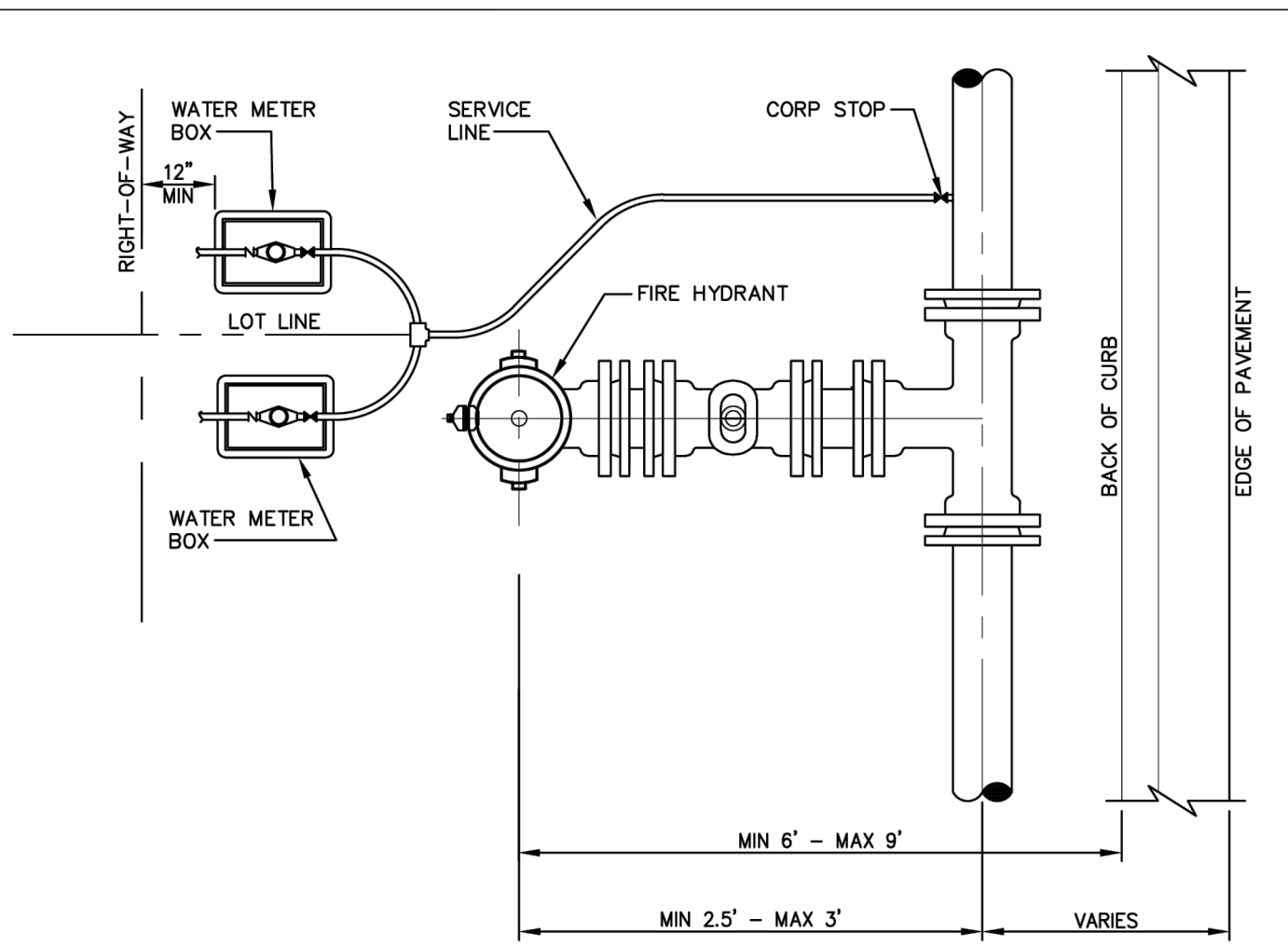


HILLSIDE GROVES COMMON	SHEET NUMBER <b>C8.0</b>	HOWEY-IN-THE-HILLS	FLORIDA	REVISIONS	DATE	BY
KHA PROJECT 149858038						
DATE 10/07/2025						
SCALE AS SHOWN						
DESIGNED BY NDF						
DRAWN BY NDF						
CHECKED BY B/W						
STATE OF FLORIDA SEAL						
KHA PROJECT 149858038						
DATE 10/07/2025						
SCALE AS SHOWN						
DESIGNED BY NDF						
DRAWN BY NDF						
CHECKED BY B/W						
FLORIDA LICENSE NUMBER 94035						
NAME OF SEAL HOLDER NICHOLAS FERRER						
ADDRESS 6876 MARWICK LANE, SUITE 350, ORLANDO, FL 32827						
PHONE: (407) 536-4440						
WWW.KIMLEY-HORN.COM						
REGISTRY No. 35106						
Kimley»Horn						
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6876 MARWICK LANE, SUITE 350, ORLANDO, FL 32827						
PHONE: (407) 536-4440						
WWW.KIMLEY-HORN.COM						
REGISTRY No. 35106						
10-07-2025						
DRC COMMENTS						
B/W						

Plotted By: Ferrer, Nicholas Sheet Set: HILLSIDE GROVES COMMON Layout: HOWEY-IN-THE-HILLS DETAILS (2) October 07, 2025 04:53:33pm K:\ORL\_LA\148658038 Hillside Groves Common\CADD\CONSTR\Plans\Sheets\C7-DDETAILS.dwg  
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#### GENERAL WATER NOTES

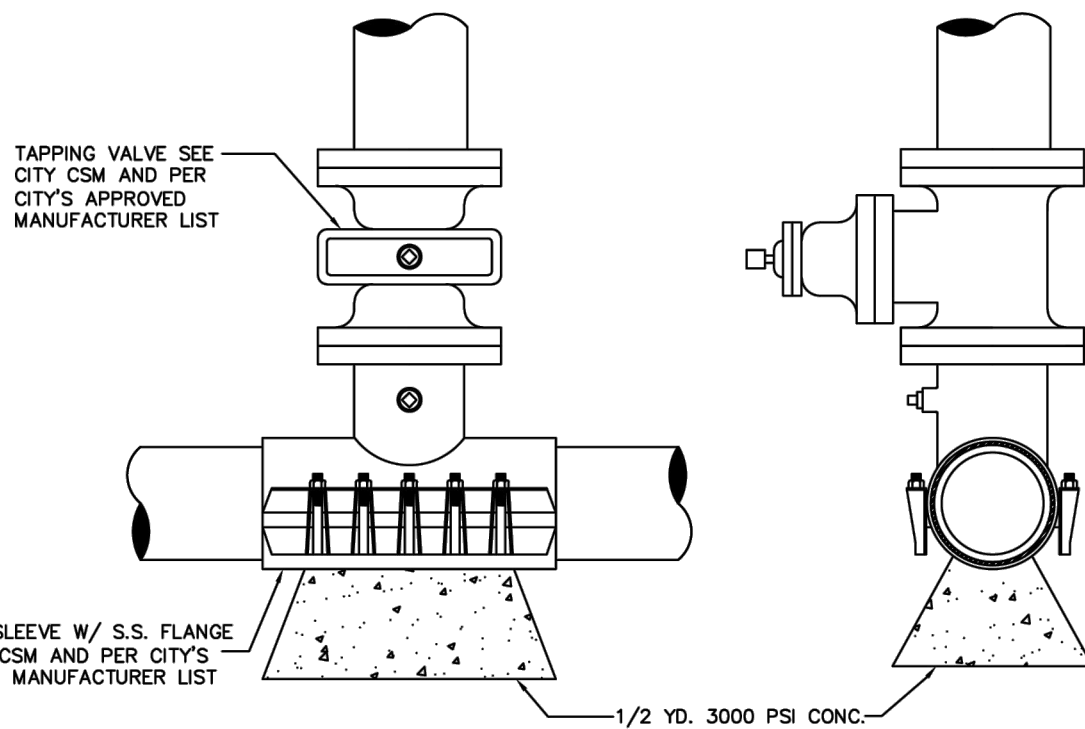
- (5) EXCEPTIONS, WHERE IT IS NOT TECHNICALLY FEASIBLE OR ECONOMICALLY SENSIBLE TO COMPLY WITH THE REQUIREMENTS IN SUBSECTION (1) OR (2) ABOVE, THE DEPARTMENT SHALL ALLOW EXCEPTIONS TO THESE REQUIREMENTS IF SUPPLIERS OF WATER OR CONSTRUCTION PERMIT APPLICANTS PROVIDE TECHNICAL OR ECONOMIC JUSTIFICATION FOR EACH EXCEPTION AND PROVIDE ALTERNATIVE CONSTRUCTION FEATURES THAT AFFORD A SIMILAR LEVEL OF RELIABILITY AND PUBLIC HEALTH PROTECTION. ACCEPTABLE ALTERNATIVE CONSTRUCTION FEATURES INCLUDE THE FOLLOWING:
- (A) WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE:
1. USE OF PRESSURE-RATED PIPE CONFORMING TO THE AMERICAN WATER WORKS ASSOCIATION STANDARDS INCORPORATED INTO RULE 62-555.330, F.A.C., FOR THE OTHER PIPELINE IF IT IS A GRAVITY, OR VACUUM-TYPE PIPELINE;
  2. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN; AND
  3. USE OF WATER-TIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE.
- (B) WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:
1. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN; AND
  2. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.



- NOTES:
1. ALL METER BOXES TO BE LOCATED INSIDE ROAD R/W LINE
  2. DETAIL TO BE USED WHERE FIRE HYDRANTS AND WATER SERVICES ARE LOCATED ON PLANS AND CONFLICT APPEARS APPARENT.

#### TYPICAL WATER SERVICE AND HYDRANT LOCATION

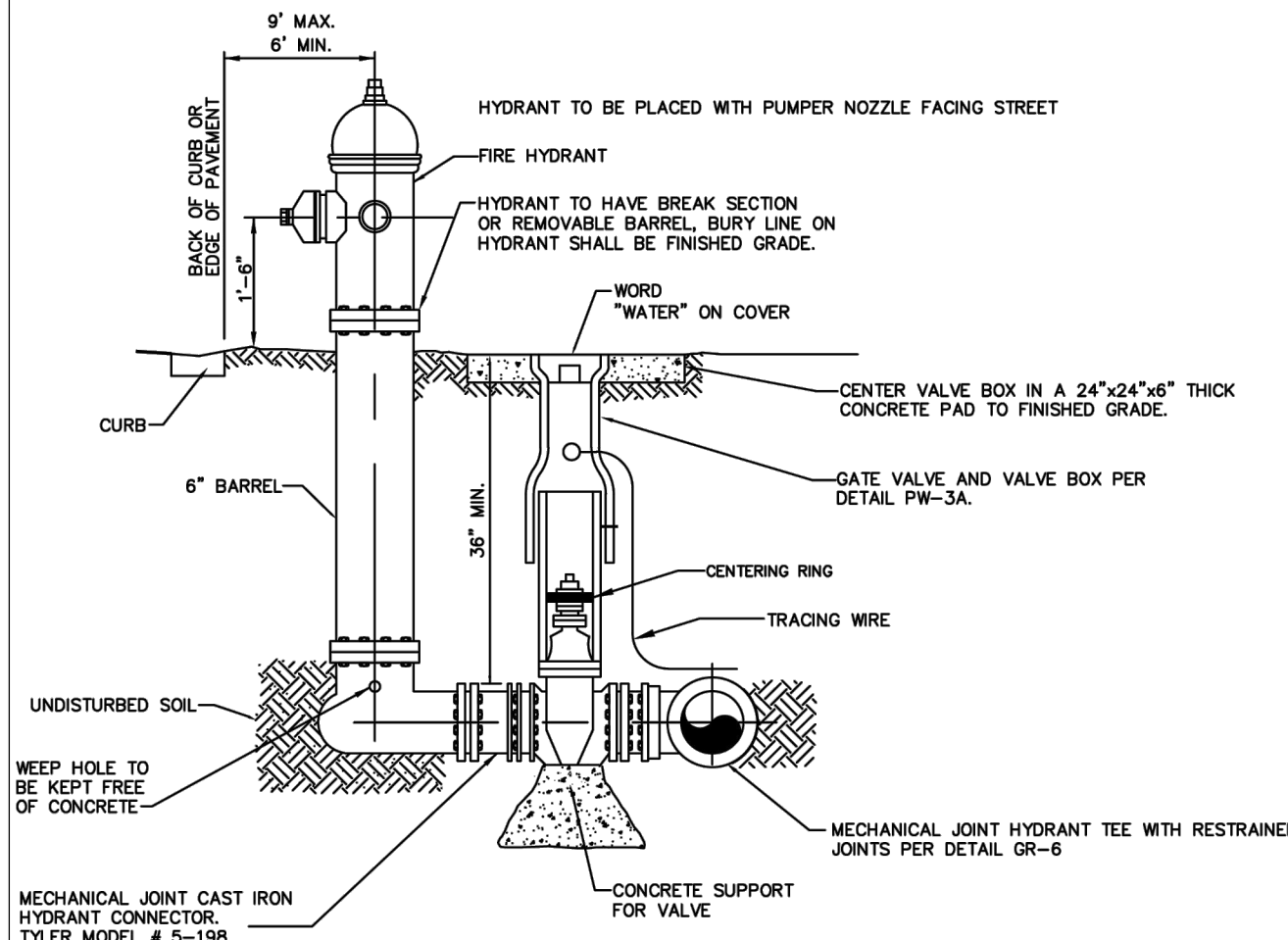
NOT TO SCALE



#### WET TAP SLEEVE AND TAPPING VALVE

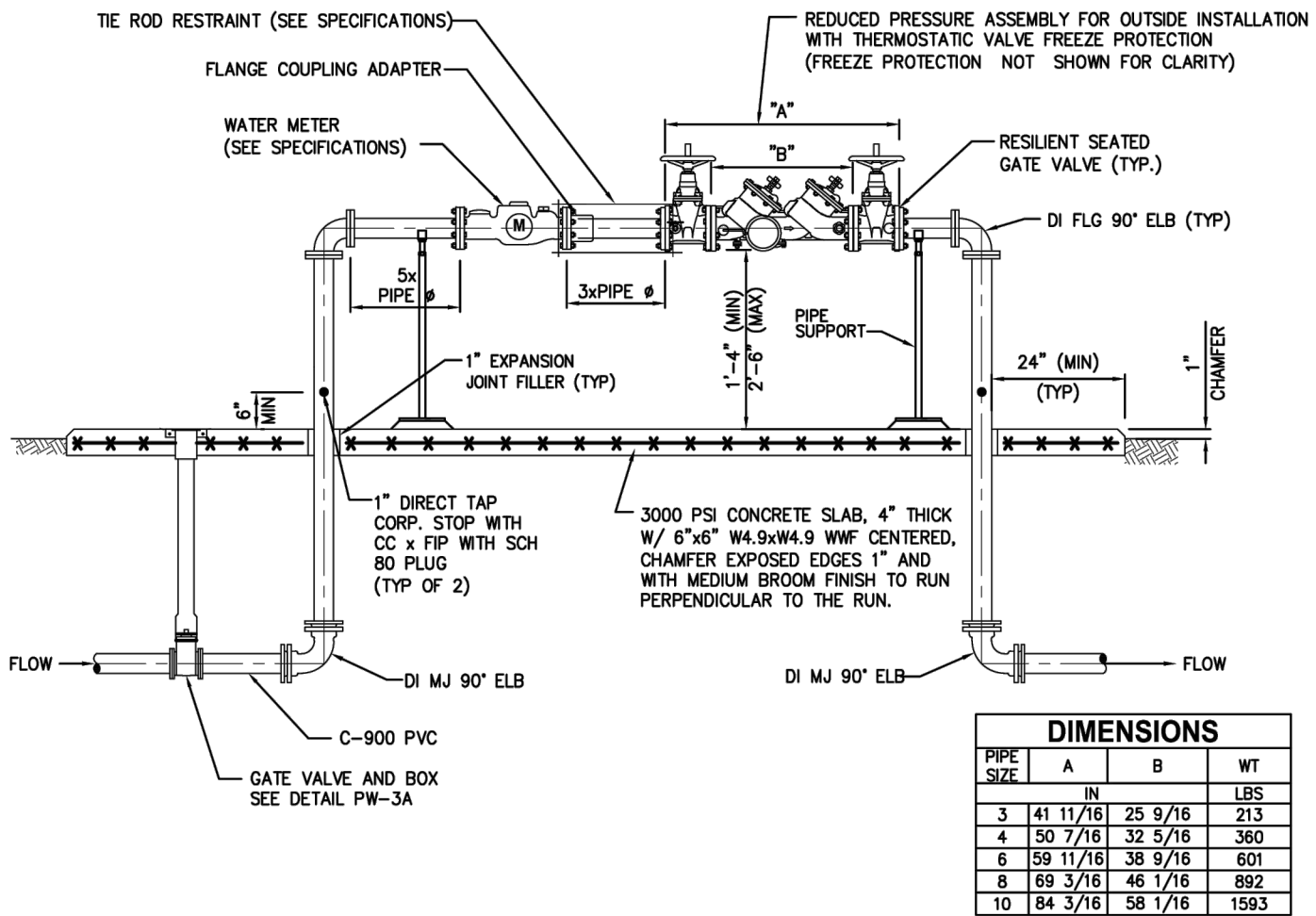
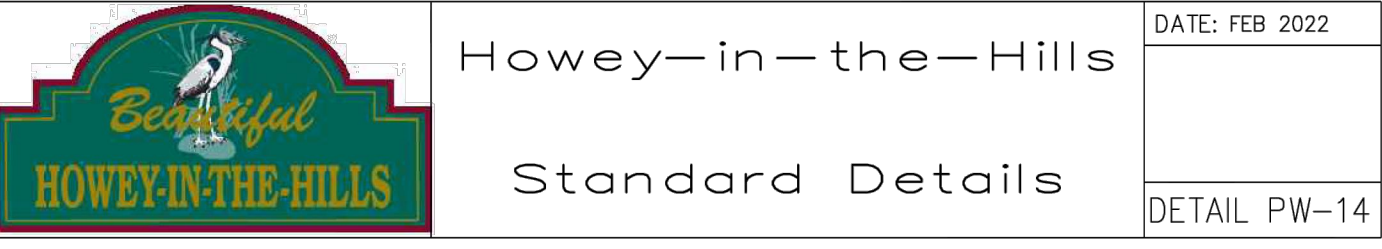
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- PAINTING**
1. APPLY TWO COATS OF OSHA SAFETY INDUSTRIAL RED PAINT TO HYDRANT BARREL.
  2. APPLY TWO COATS OF OSHA SAFETY INDUSTRIAL ENAMEL PAINT TO THE BONNET AND NOZZLE CAPS. THE UTILITY DEPARTMENT INSPECTOR WILL DETERMINE THE COLOR TO PAINT THE HYDRANT BONNET AND NOZZLE CAPS BY FLOW TESTING HYDRANT.
- SPECIFICATIONS**
1. AWWA SPECIFICATIONS C-502
  2. TWO 2-1/2" HOSE NOZZLE DISCHARGE
  3. ONE 4-1/2" PUMPER NOZZLE DISCHARGE
  4. ONE 1-1/2" OPERATING NUT, LEFT
  5. ALL HYDRANTS SHALL BE EQUIPPED WITH FITTINGS TO ALLOW FOR ELEVATION ADJUSTMENTS.
  6. 5" MAIN VALVE OPENING
  7. RESTRAINED JOINTS OR ALL THREADED ROD REQUIRED TO SECURE PIPE, RISER AND VALVE IN THE FIRE HYDRANT ASSEMBLY TO THE MAIN



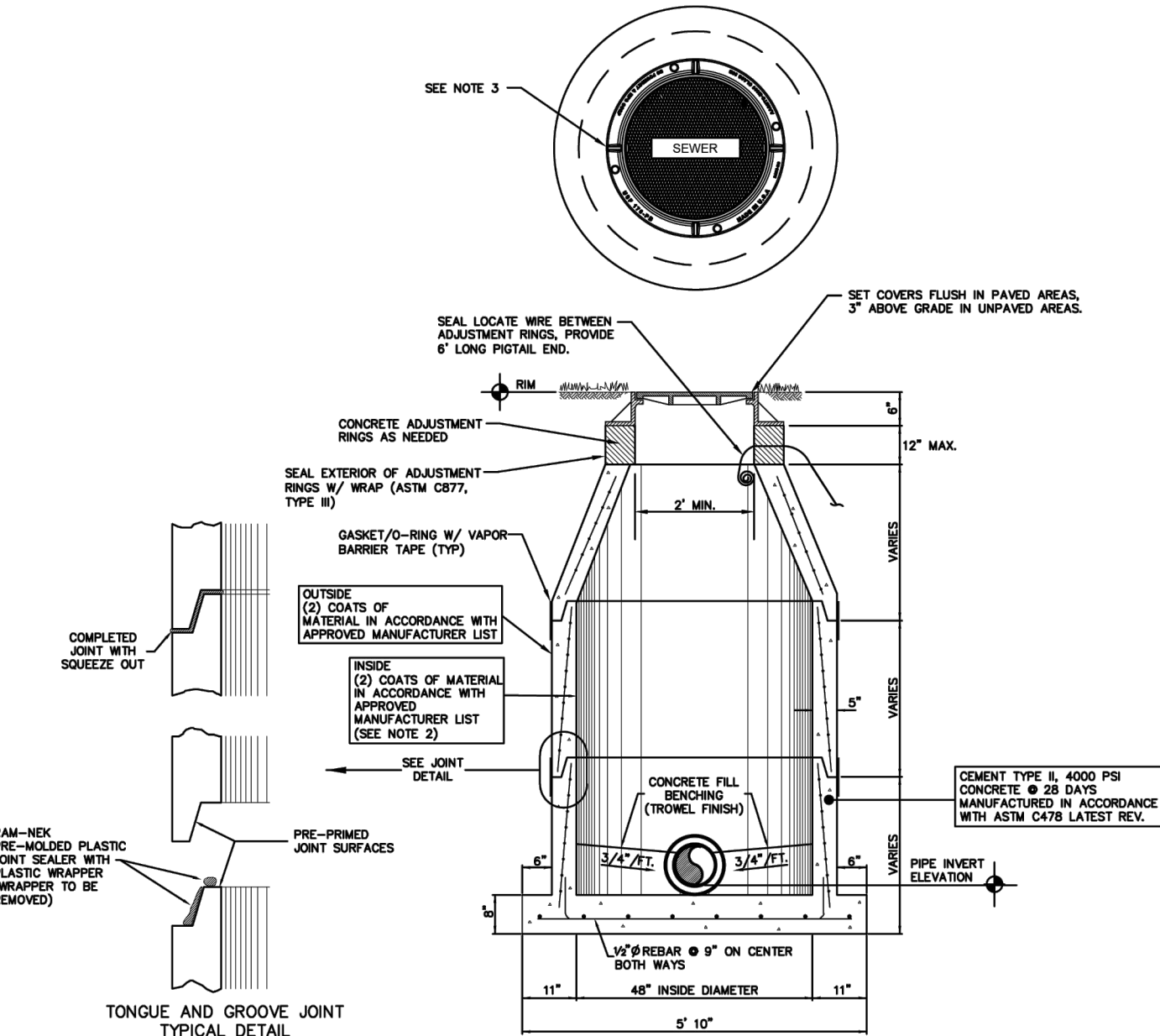
#### FIRE HYDRANT WITH VALVE

NOT TO SCALE  
(STANDARD FIRE HYDRANT ASSEMBLY)



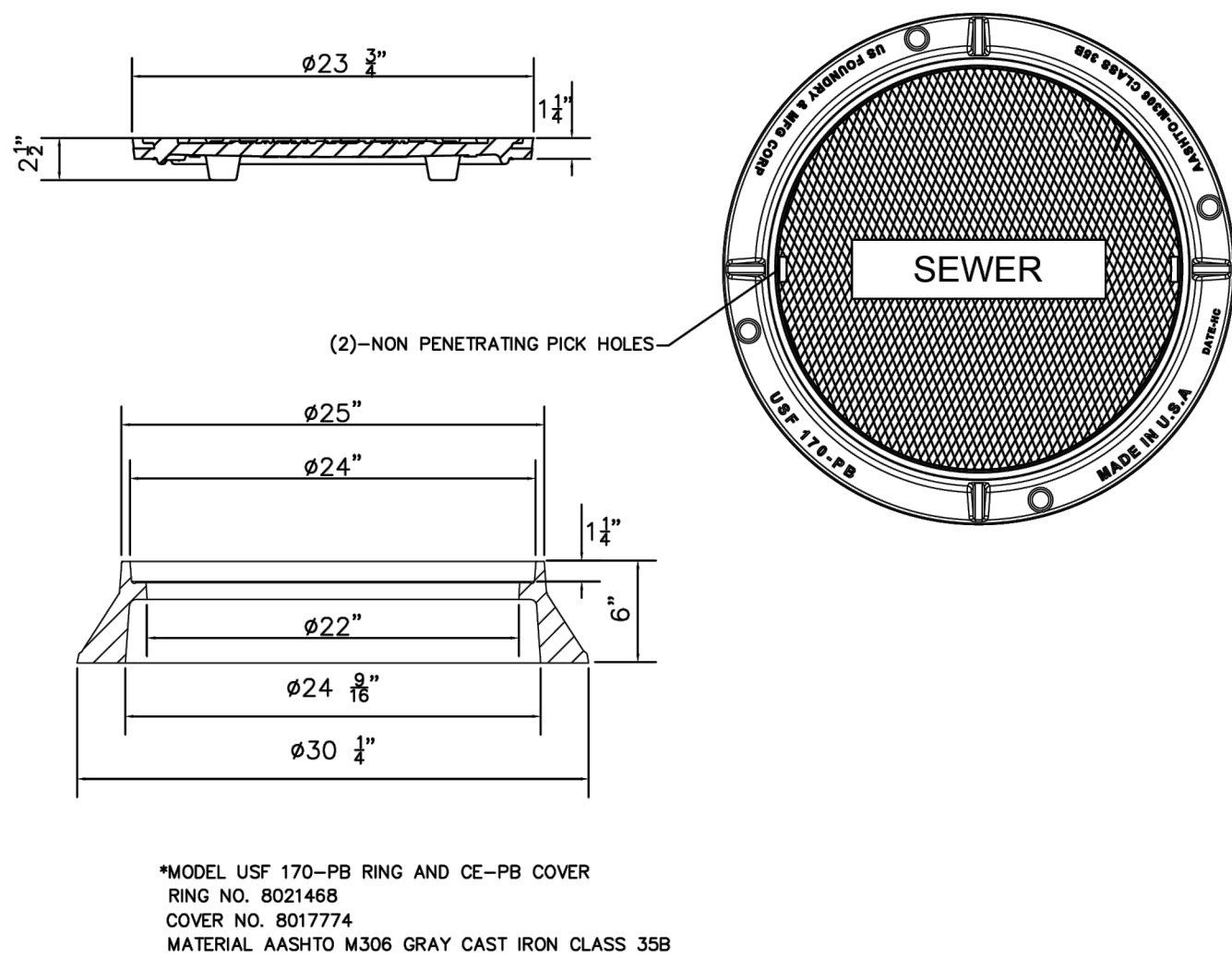
#### REDUCED PRESSURE BACKFLOW PREVENTER W/ WATER METER DETAIL

NOT TO SCALE



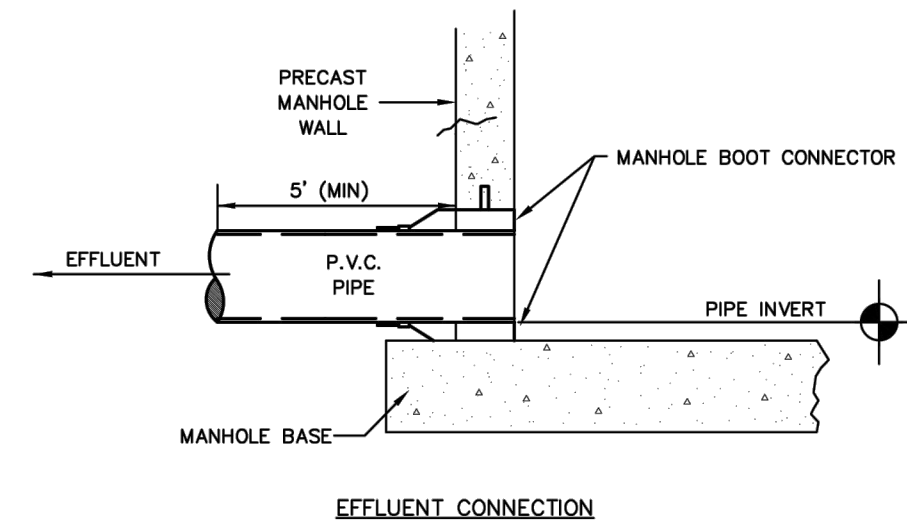
#### SANITARY PRECAST MANHOLE

NOT TO SCALE



#### SANITARY MANHOLE COVER

NOT TO SCALE



#### PIPE CONNECTION TO PRECAST SANITARY MANHOLE

NOT TO SCALE



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Sunshine811.com

HILLSIDE GROVES  
COMMON  
HOWEY-IN-THE-HILLS  
DETAILS

Kimley»Horn

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REGISTERED PROFESSIONAL ENGINEER

SHEET NUMBER  
C8.1

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