

HKS ARCHITECTS, INC. 2020 SALZEDO STREET, 4TH FLOOR

CORAL GABLES, FL 33134

**INTERIOR DESIGNER** HKS ARCHITECTS

225 EAST ROBINSON ST. SUITE #405 ORLANDO, FL 32801

**CIVIL & LANDSCAPE** CALVIN, GIORDANO & ASSOCIATES 1800 ELLER DRIVE, SUITE 600

FORT LAUDERDALE, FL 33316 STRUCTURAL ENGINEER

GMG STRUCTURAL ENGINEERS

14335 COMMERCE WAY

MIAMI LAKES, FL 33016

**MEP & FIRE PROTECTION** TLC ENGINEERING SOLUTIONS, INC.

800 FAIRWAY DRIVE DEERFIELD BEACH, FL 33441 TELECOM & EQUIPMENT

SMITH SECKMAN REID, INC. 2995 SIDCO DRIVE NASHVILLE, TN 37204

**OWNER** MEMORIAL HEALTHCARE SYSTEM 3501 JOHNSON STREET

INTERIM REVIEW ONLY permit, or construction purposes

P.E. License No.: 70870

JAMES D. MESSICK, STATE OF FLORIDA, CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC

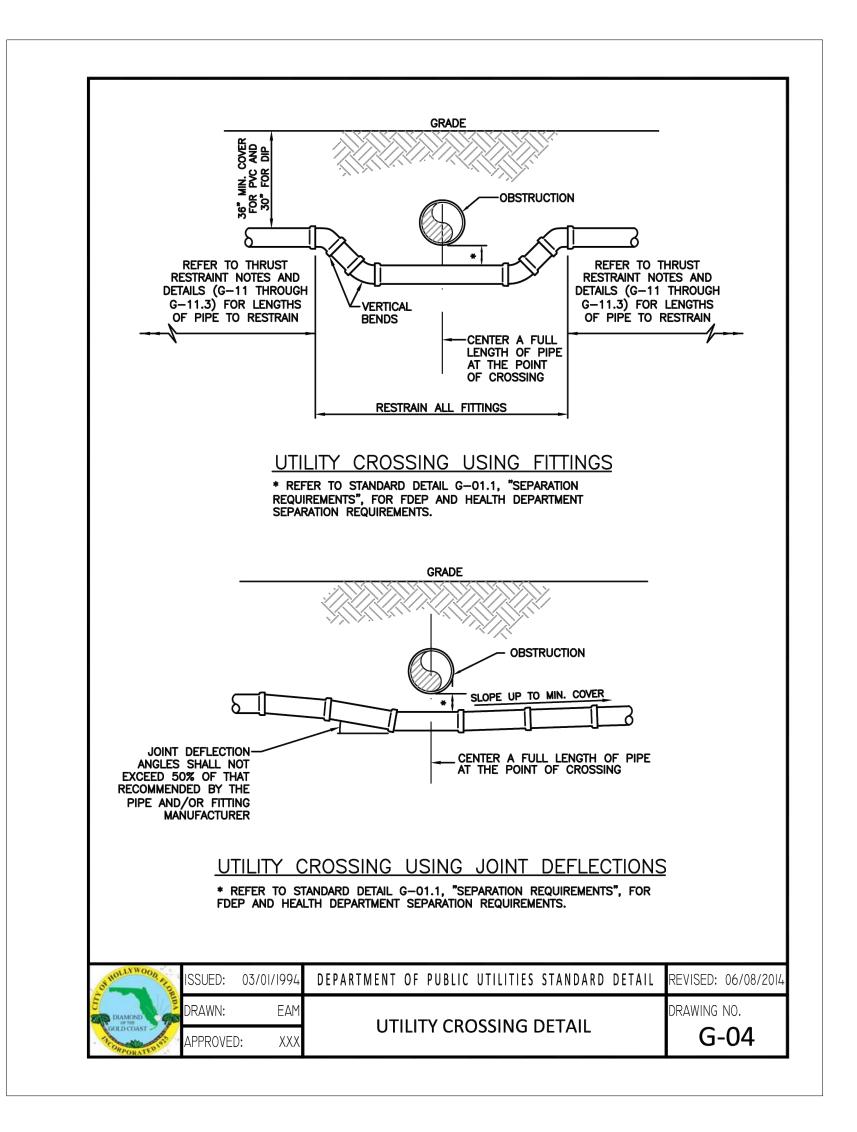
HKS PROJECT NUMBER 23459.000

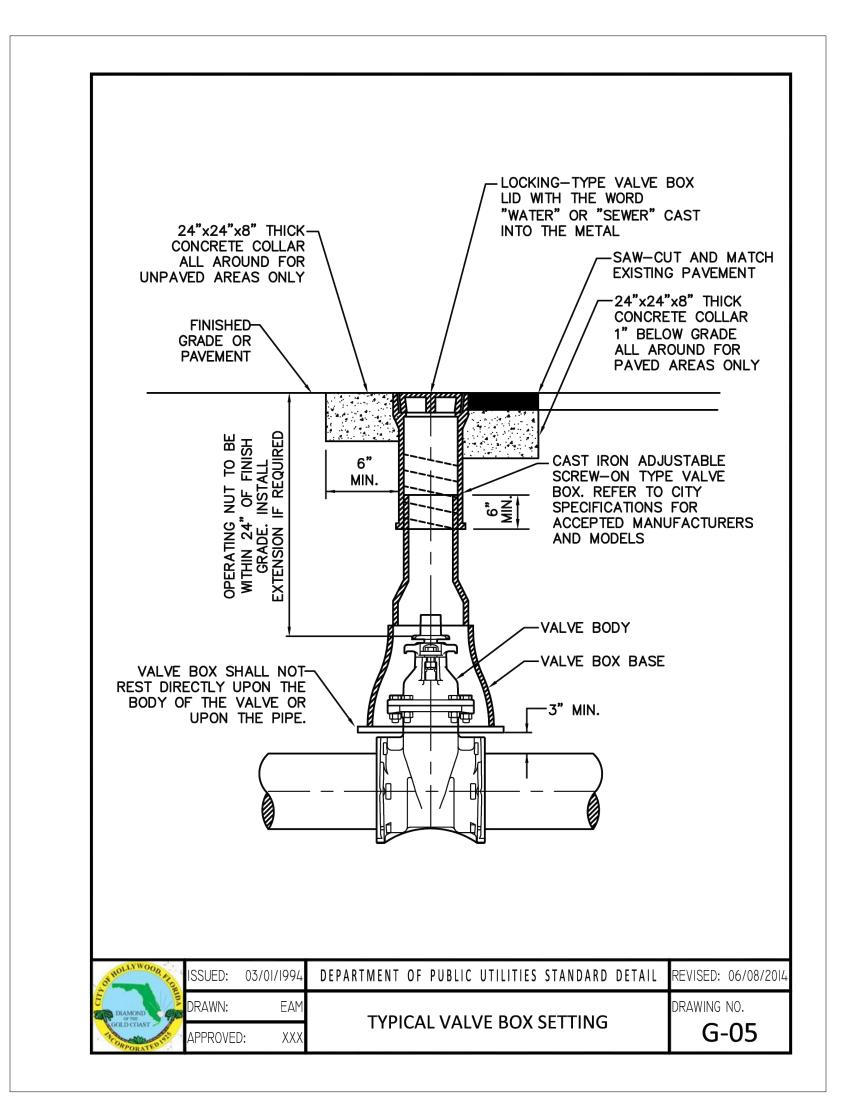
**AUGUST 19, 2024** 

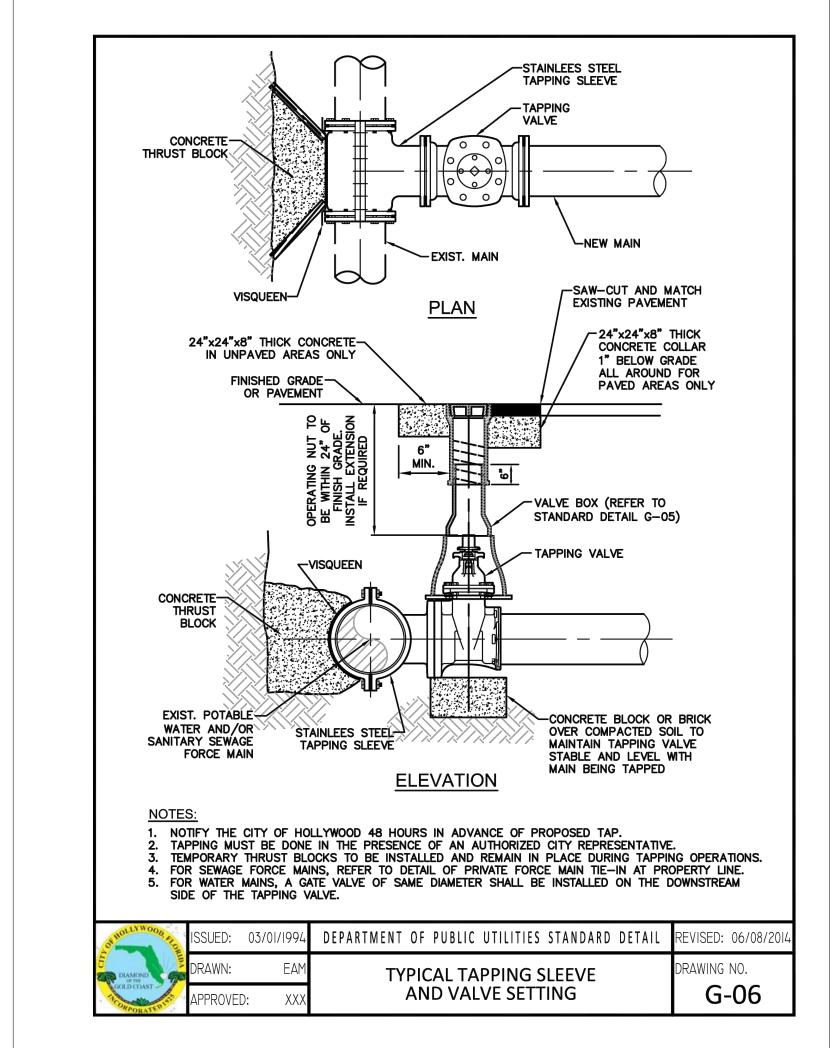
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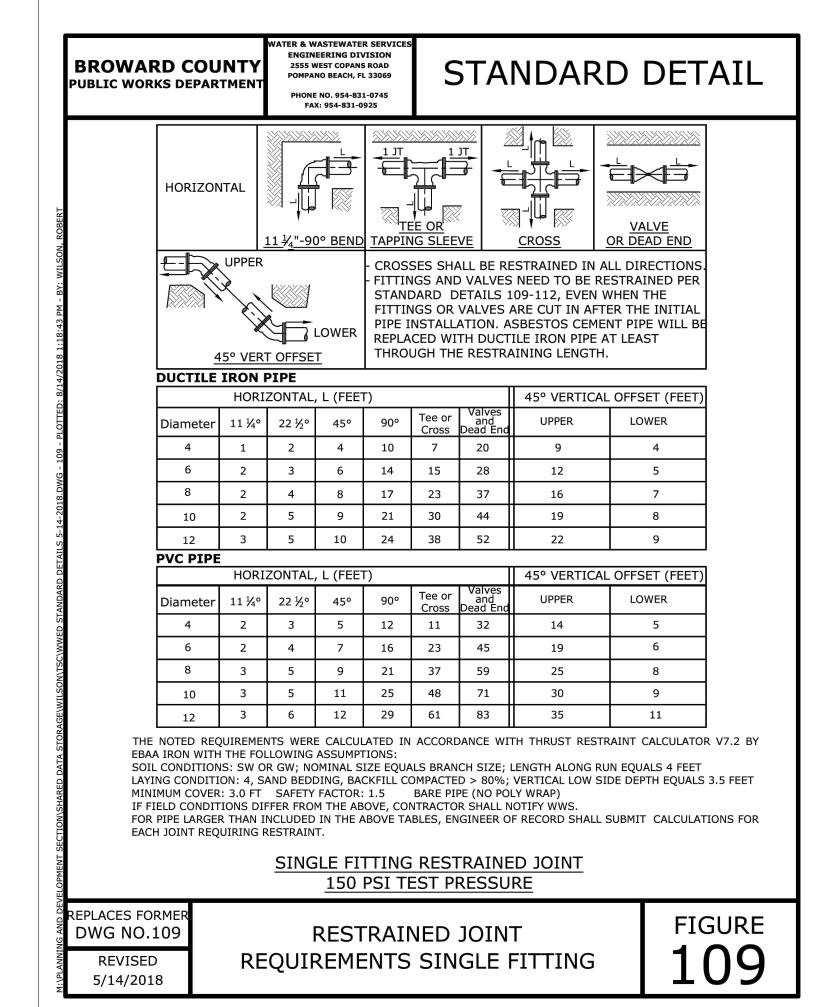
**UTILITY PLAN** 

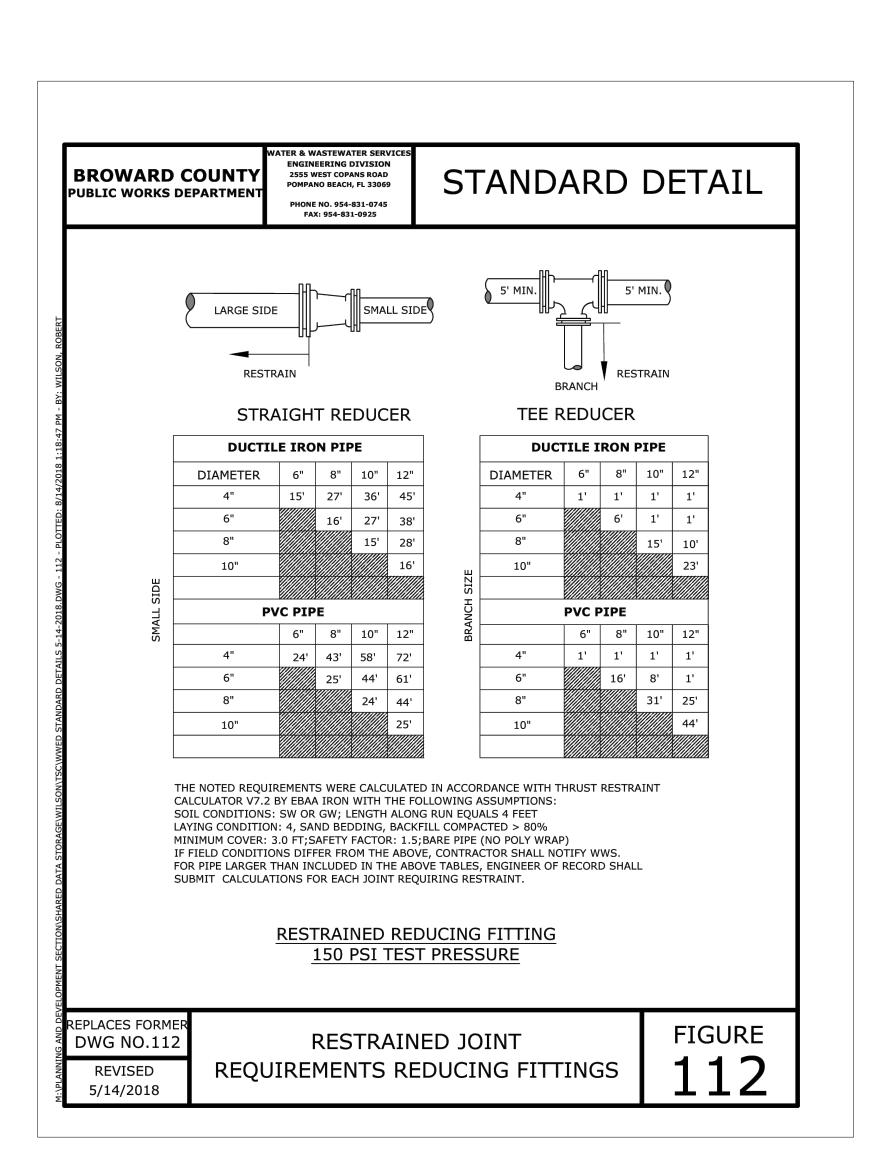
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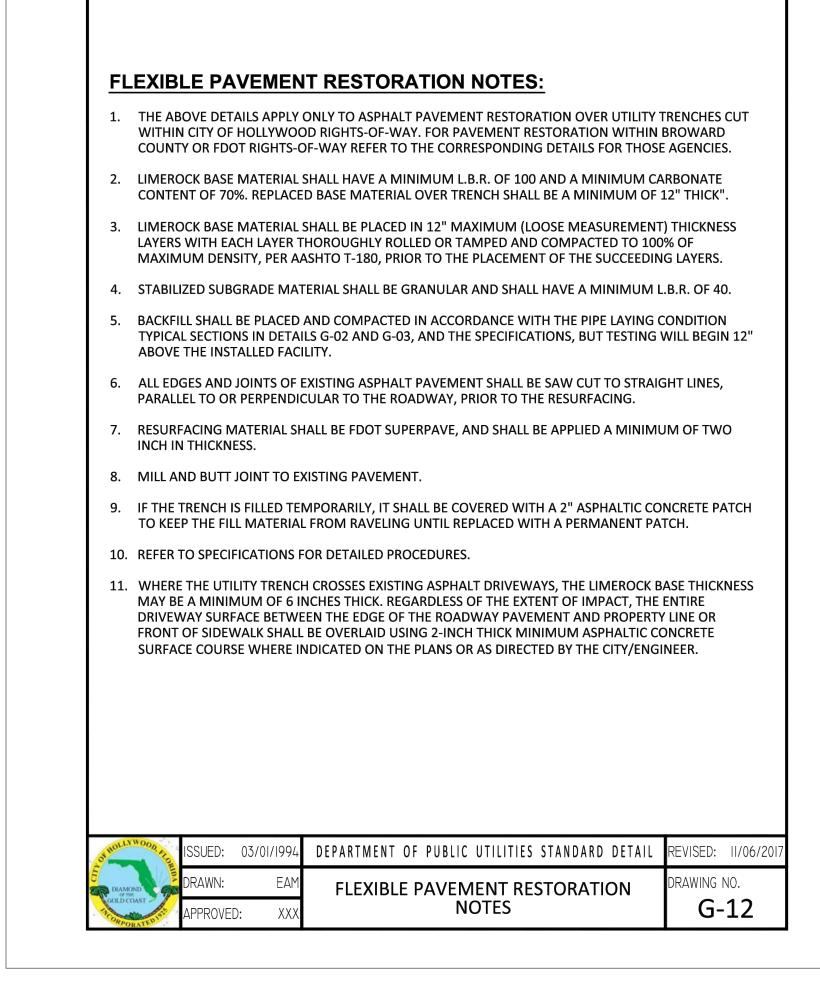


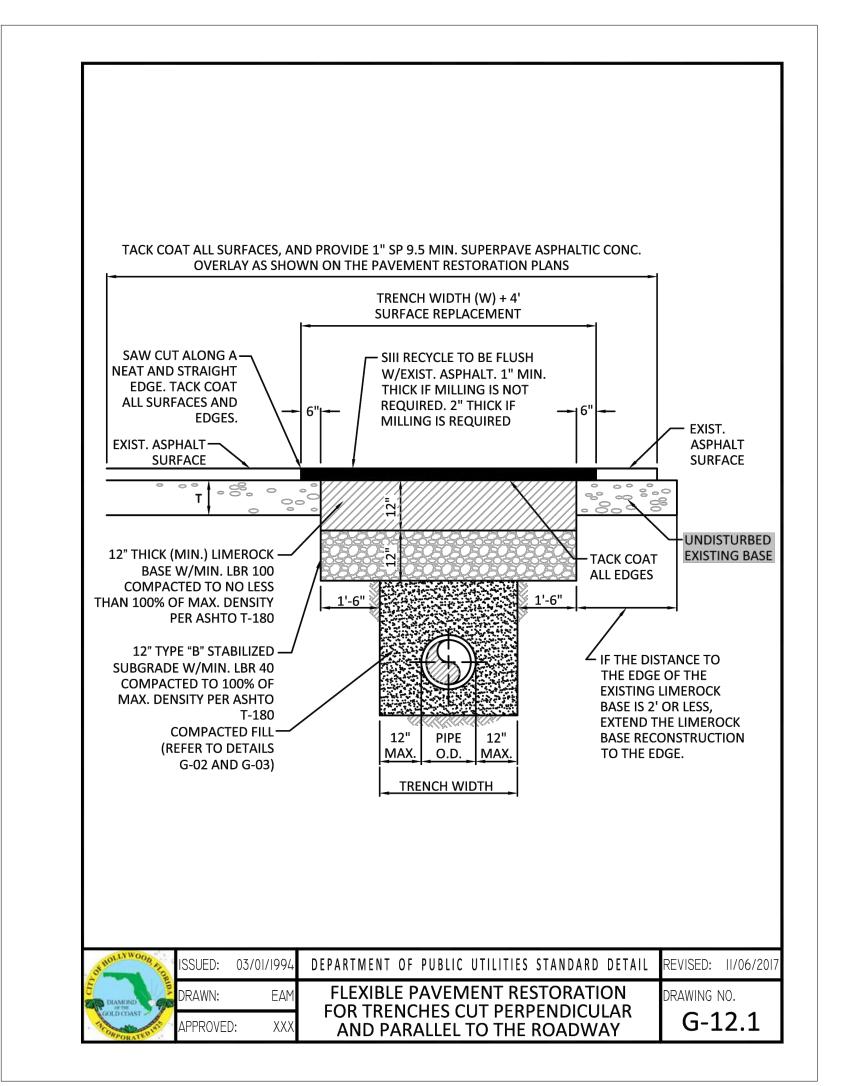


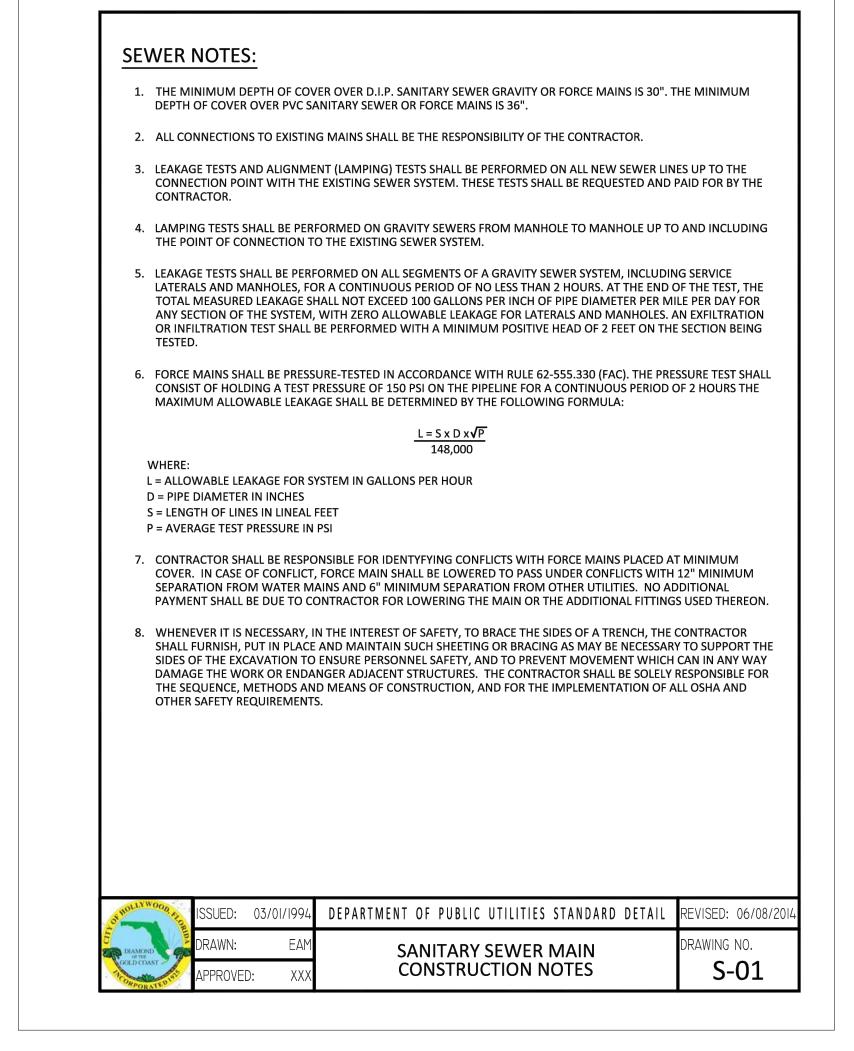












FINAL TAC ELEVATIONS ARE IN NAVD 88

CO7 UTILITY DETAILS



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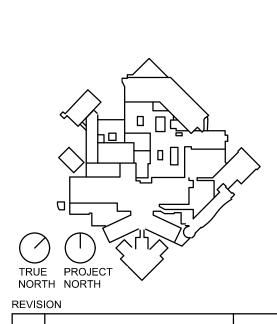
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**OWNER** 

MEMORIAL HEALTHCARE SYSTEM 3501 JOHNSON STREET HOLLYWOOD, FL 33021



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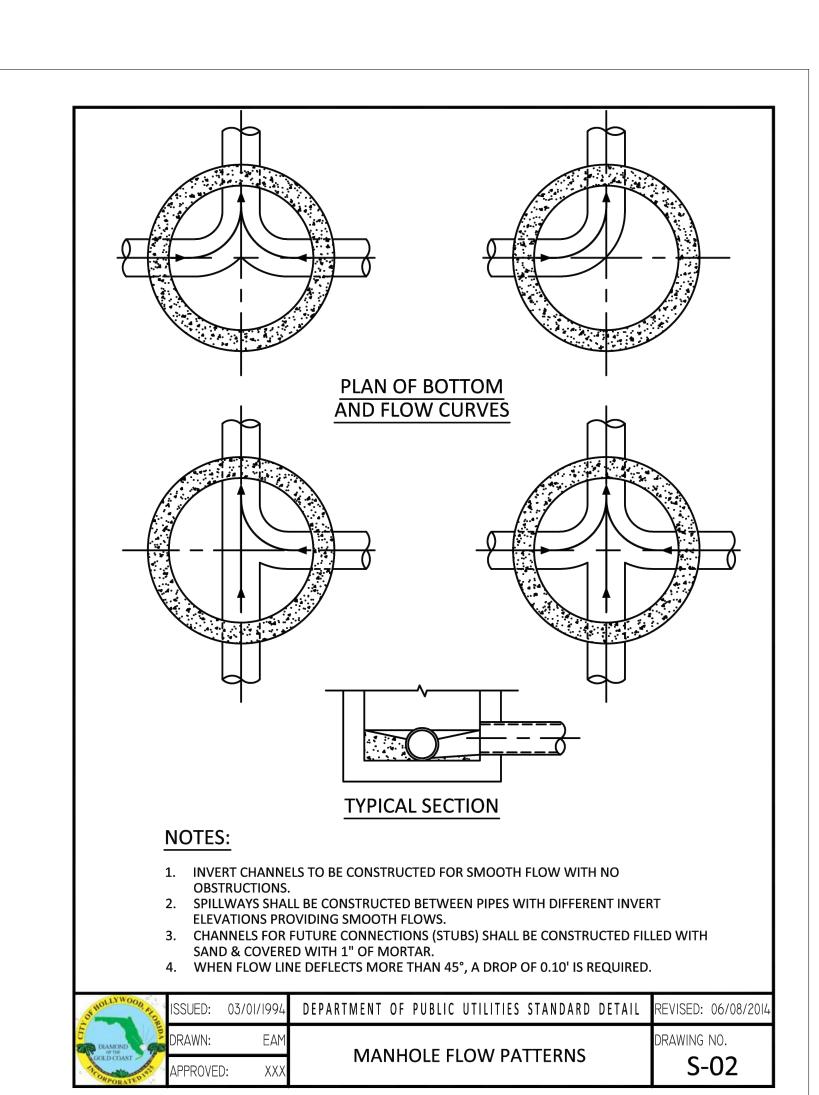
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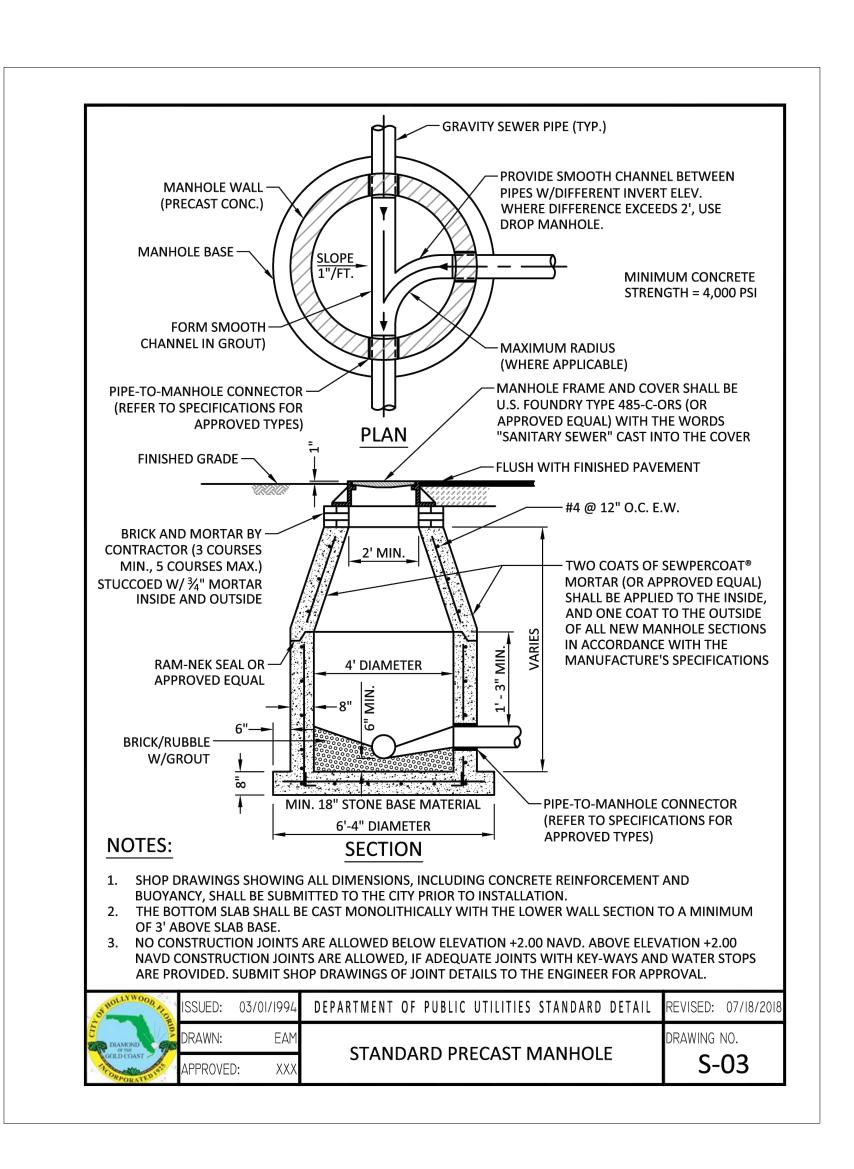
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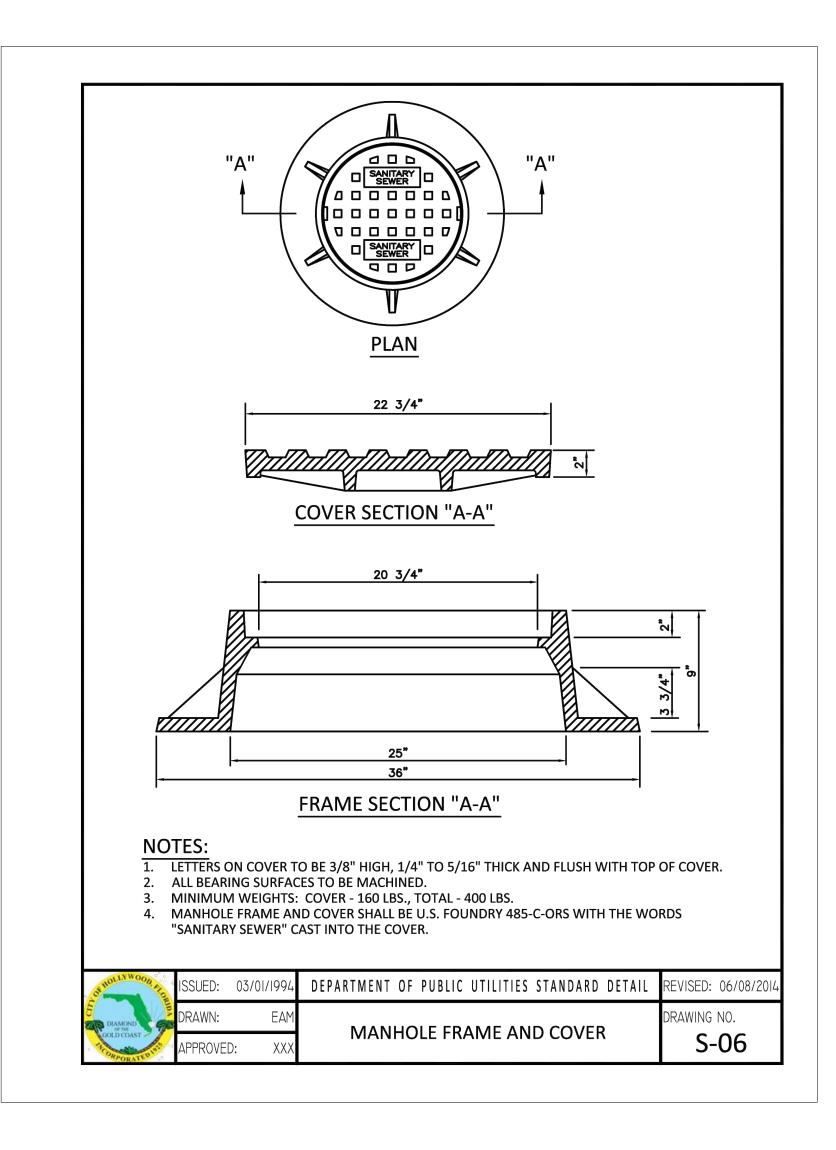
**FINAL TAC** 

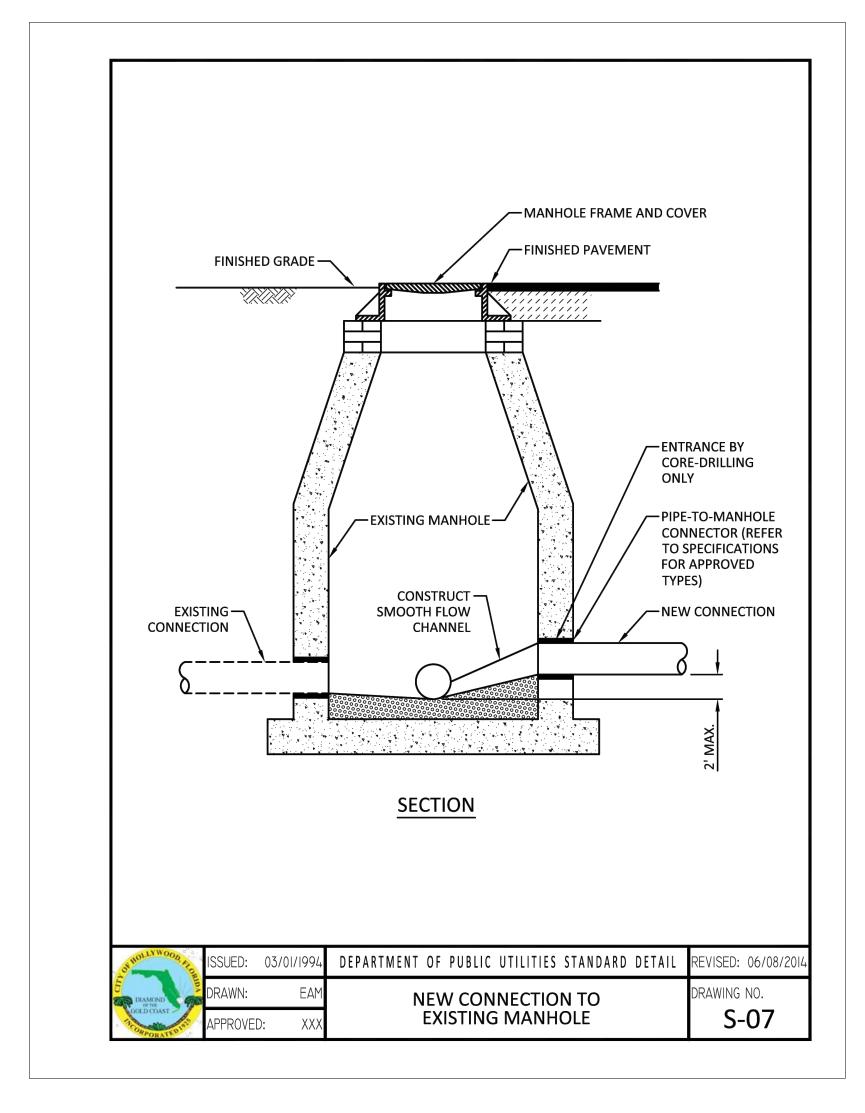
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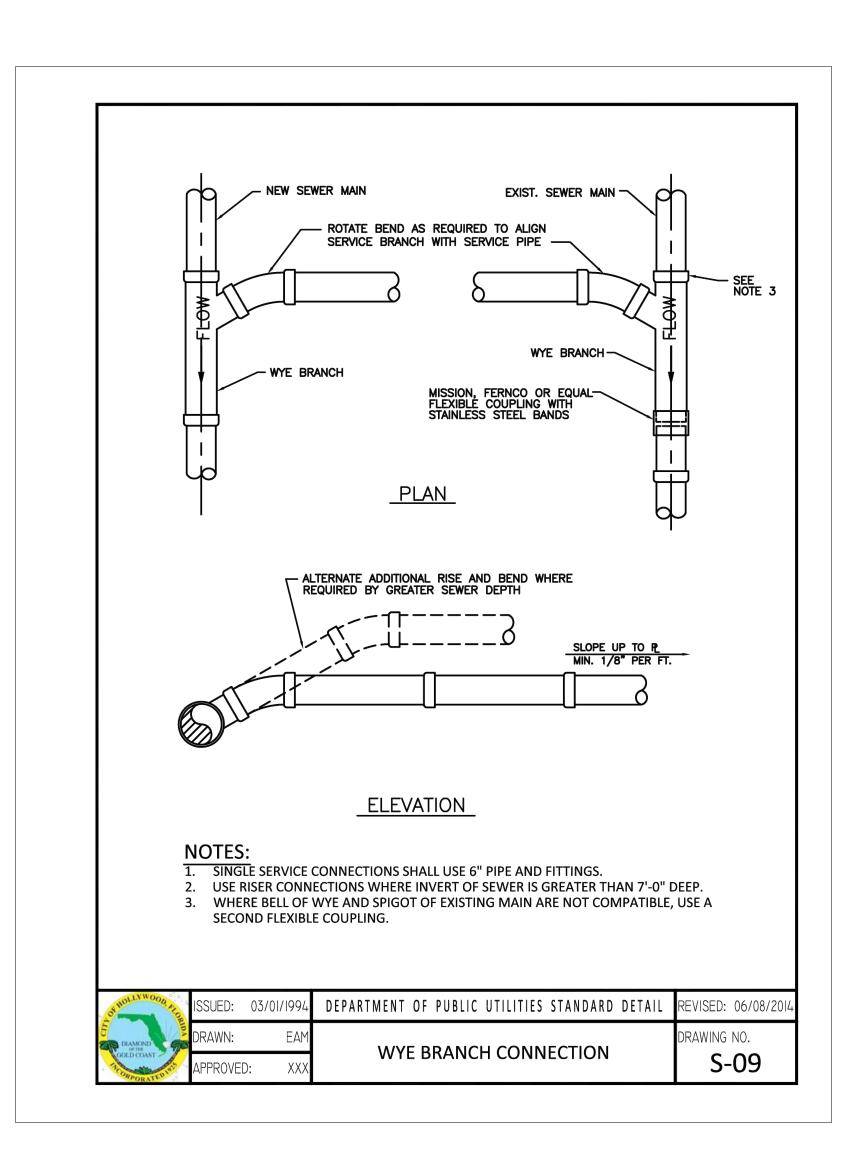
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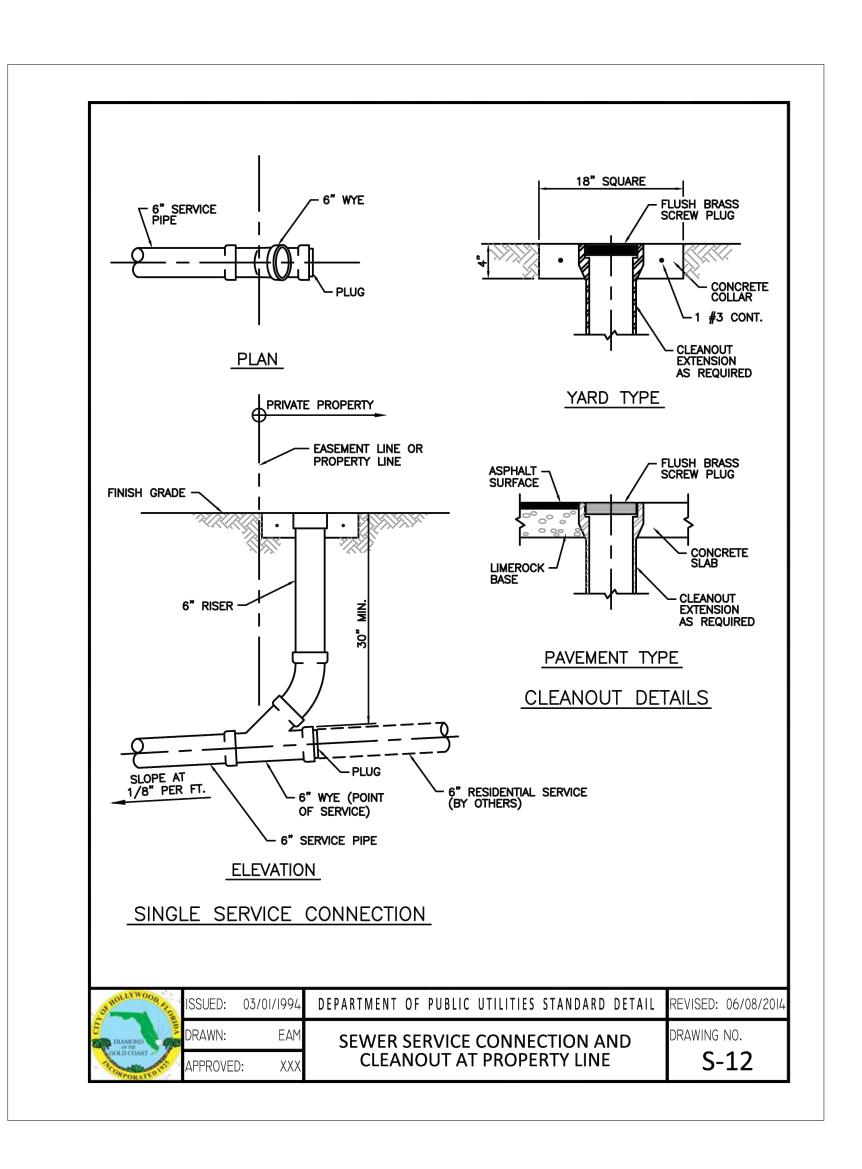


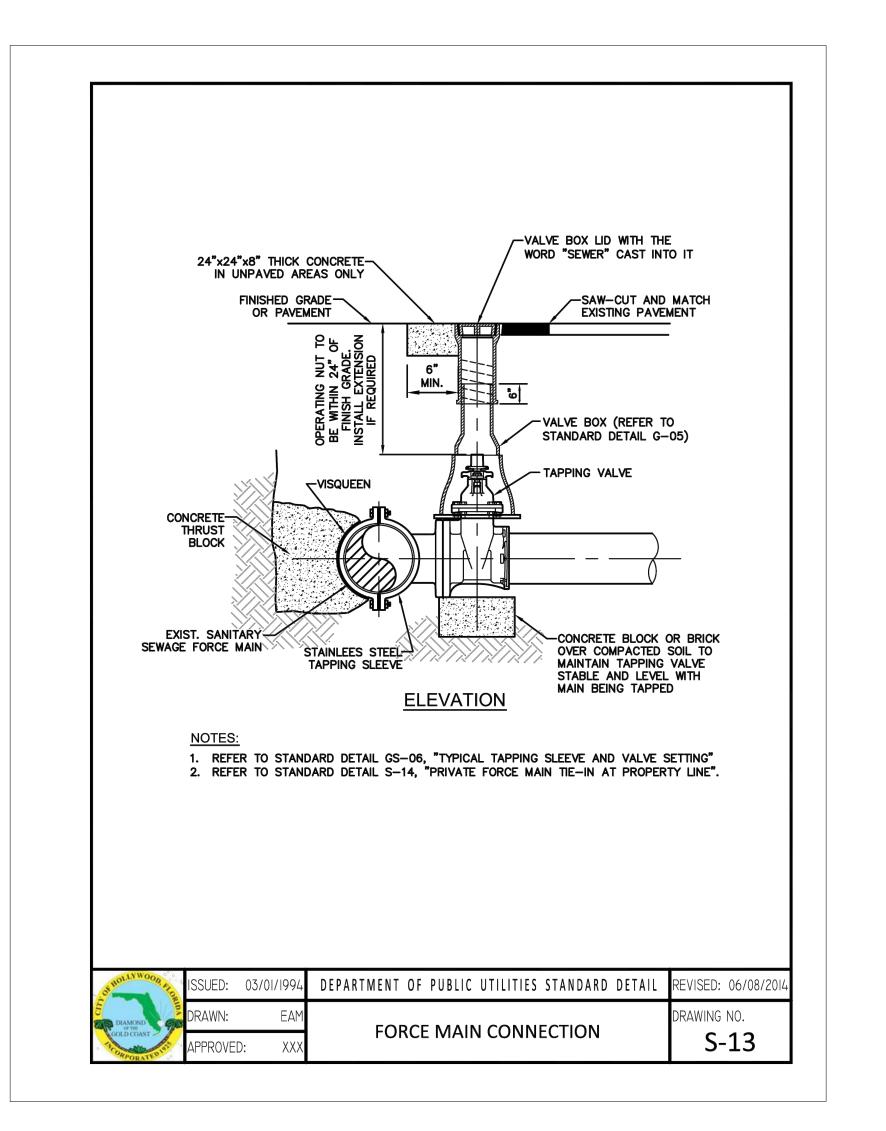


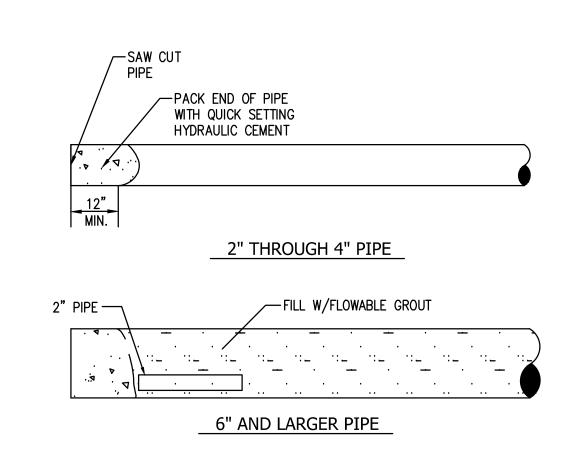












# NOTE

- 1. INSTALL 2" PIPE AT BOTH ENDS OF LINE TO BE ABANDONED. GROUT IN PLACE WITH QUICK SETTING HYDRAULIC CEMENT.
- 2. PUMP FLOWABLE GROUT FROM ONE END, OR INTERMEDIATE POINTS ALONG THE PIPELINE, UNTIL PIPE IS FILLED AS WITNESSED BY THE DISCHARGE FROM 2" PIPE(S).

ABANDONED PIPE DETAIL
Scale: NTS

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CO8 UTILITY DETAILS

HKS

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Engineer: James D. Messick
P.E. License No.: 70870
Date: 07/03/2024

TRUE PROJECT NORTH NORTH

HKS PROJECT NUMBER **23459.000** 

FINAL TAC

SHEET NO.

**C08** 

**AUGUST 19, 2024** 

**UTILITY DETAILS** 

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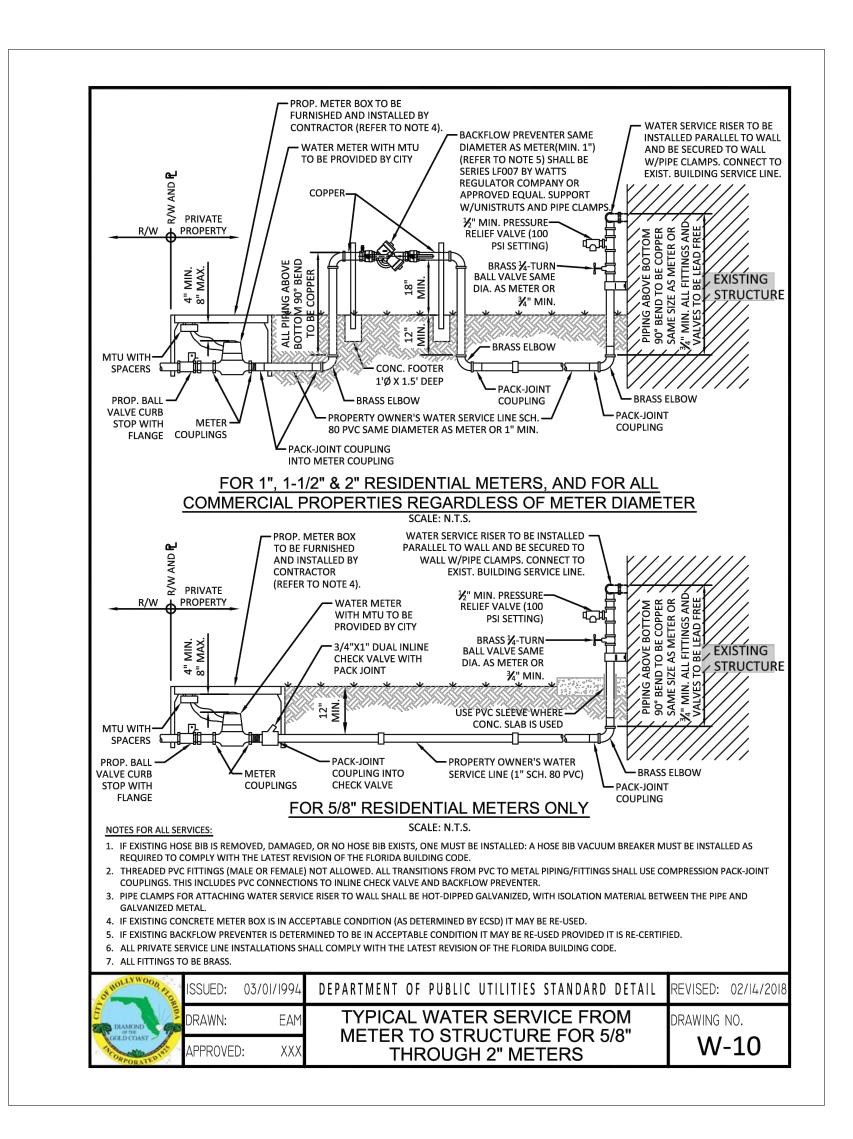
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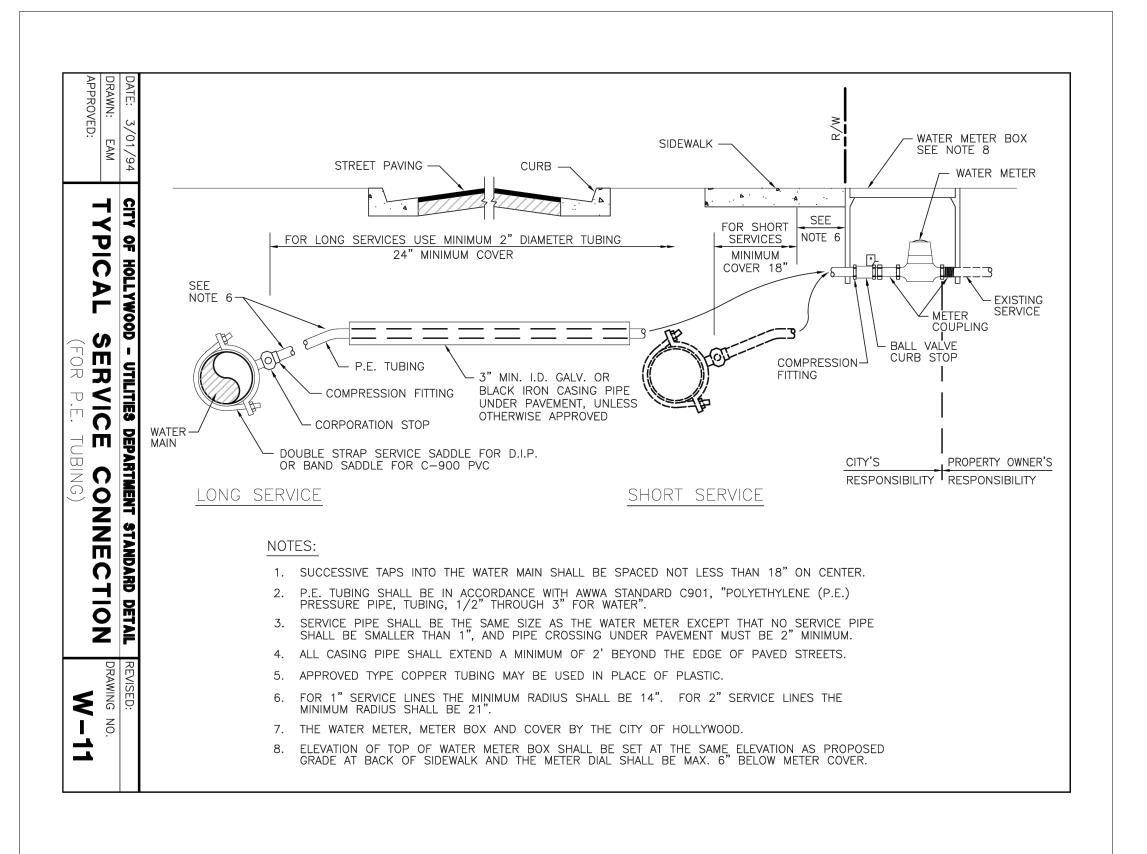
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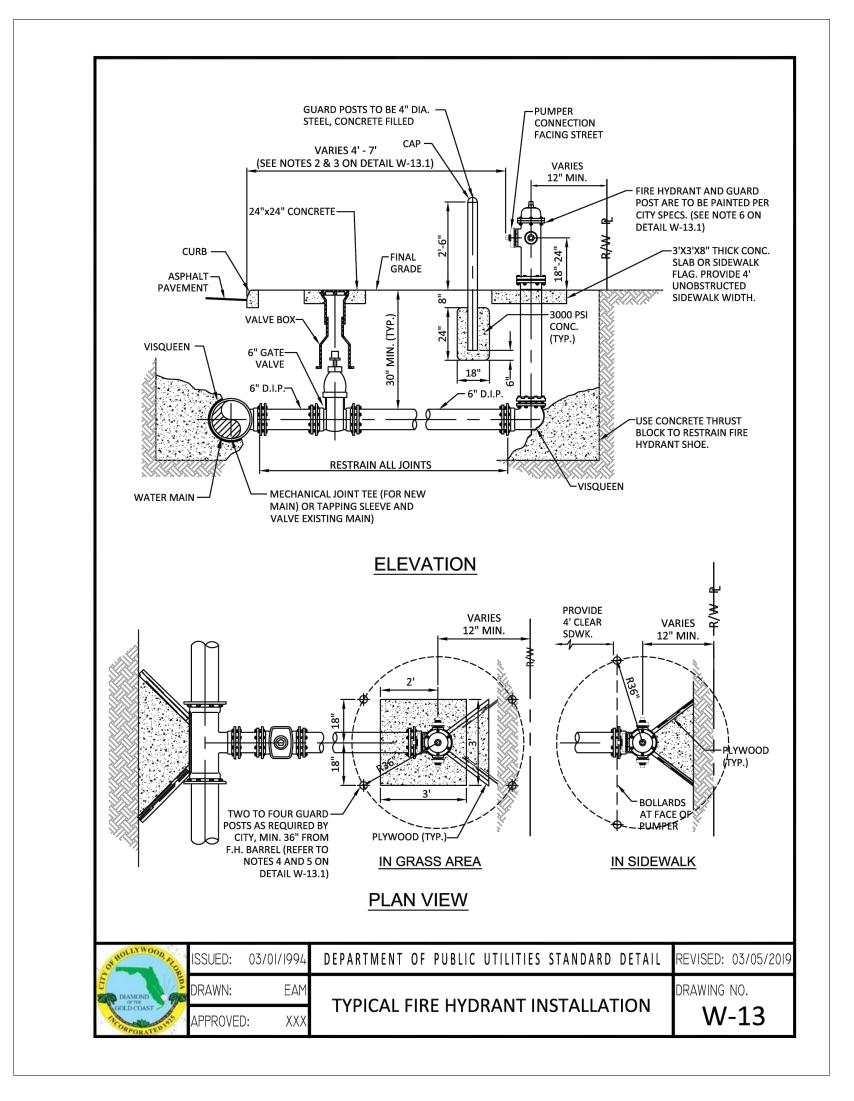
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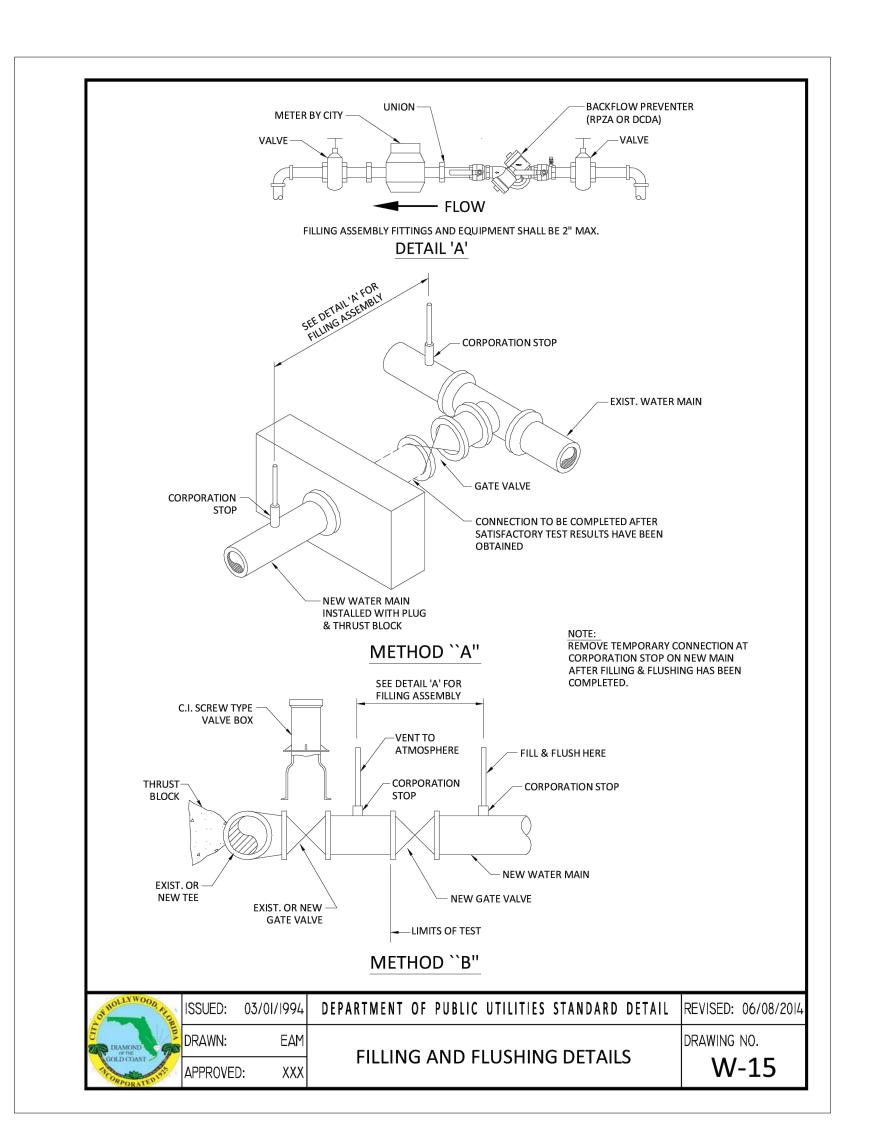
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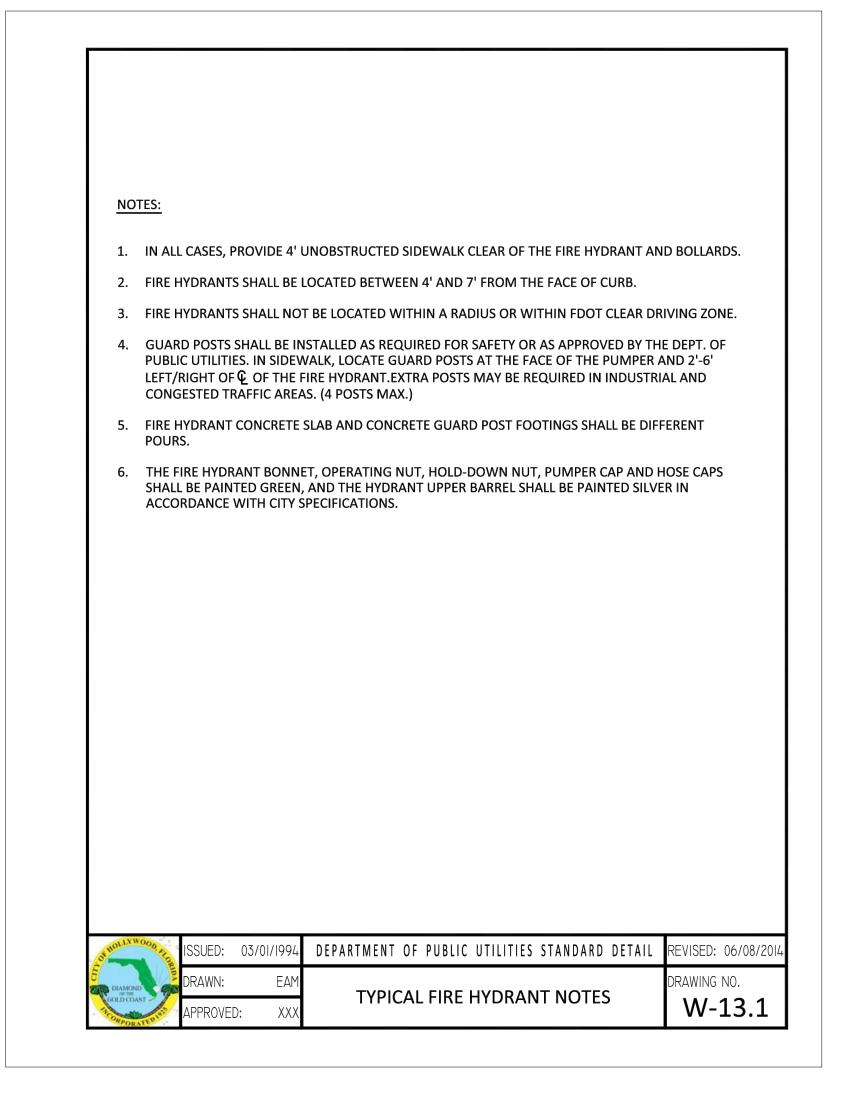
BY JAMES D. MESSICK ON THE DATE INDICATED HERE.

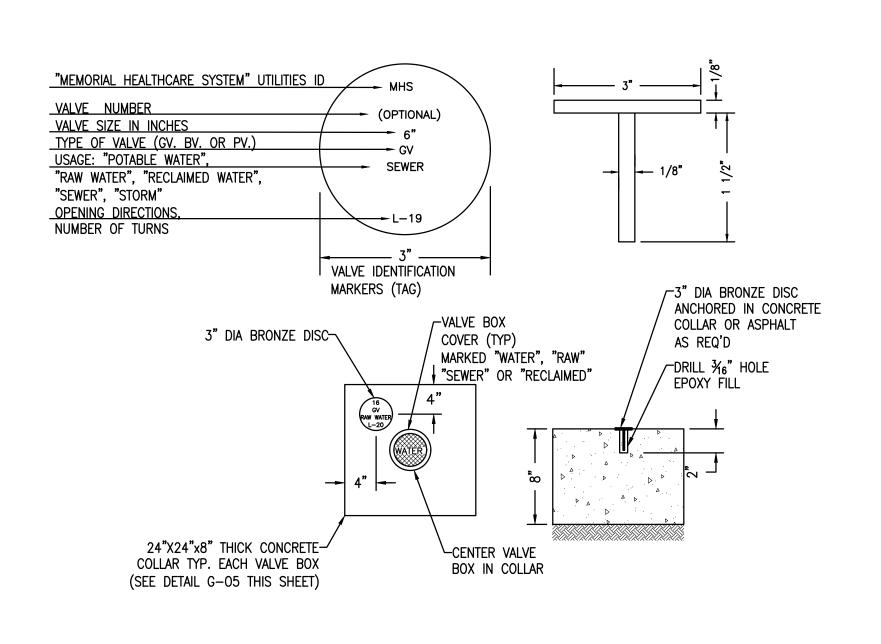












VALVE COVER AND IDENTIFICATION MARKER DETAIL SCALE: N.T.S.

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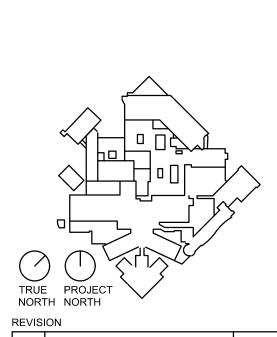
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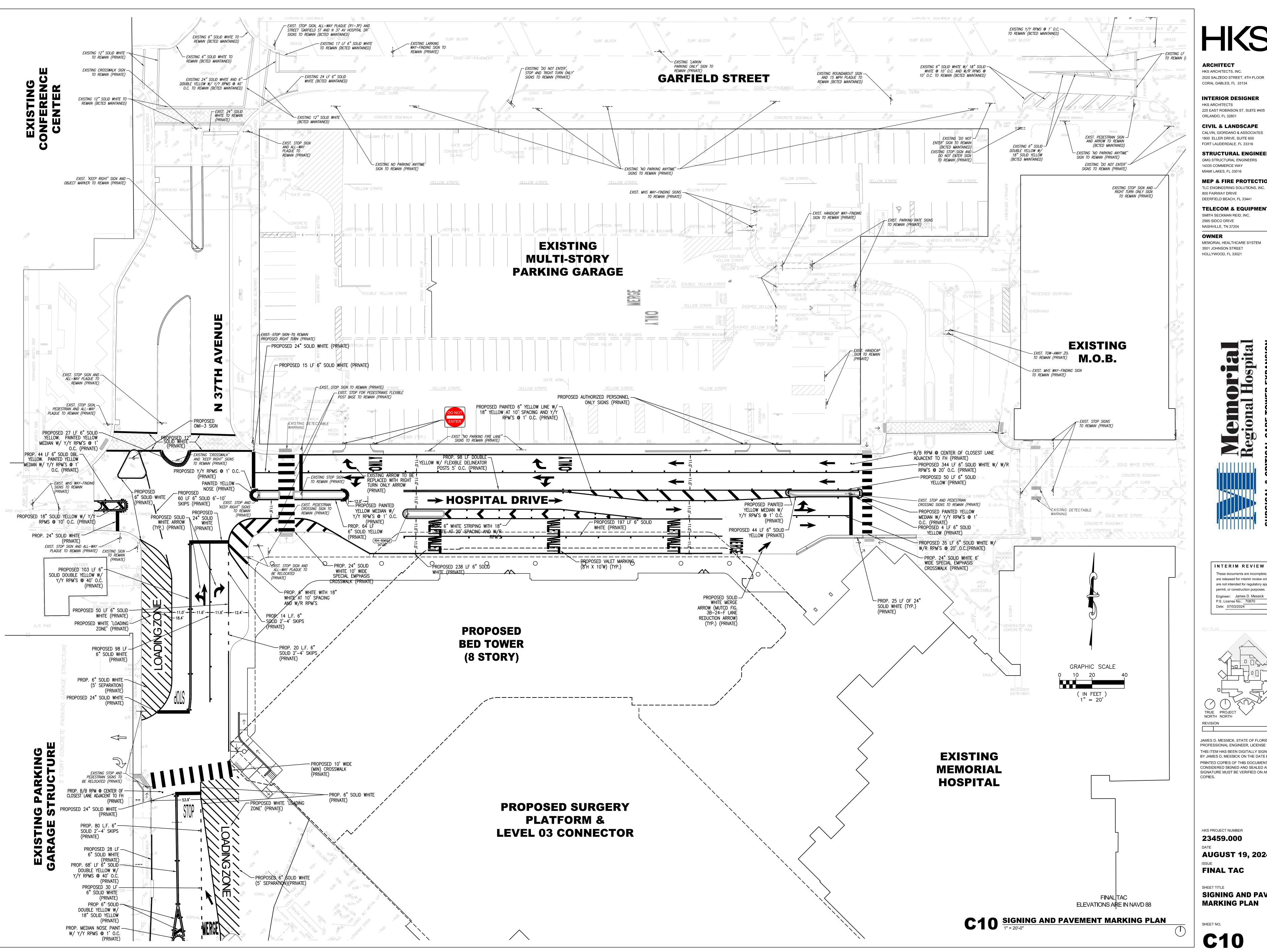


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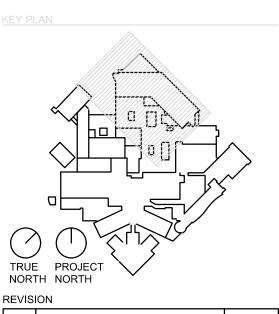
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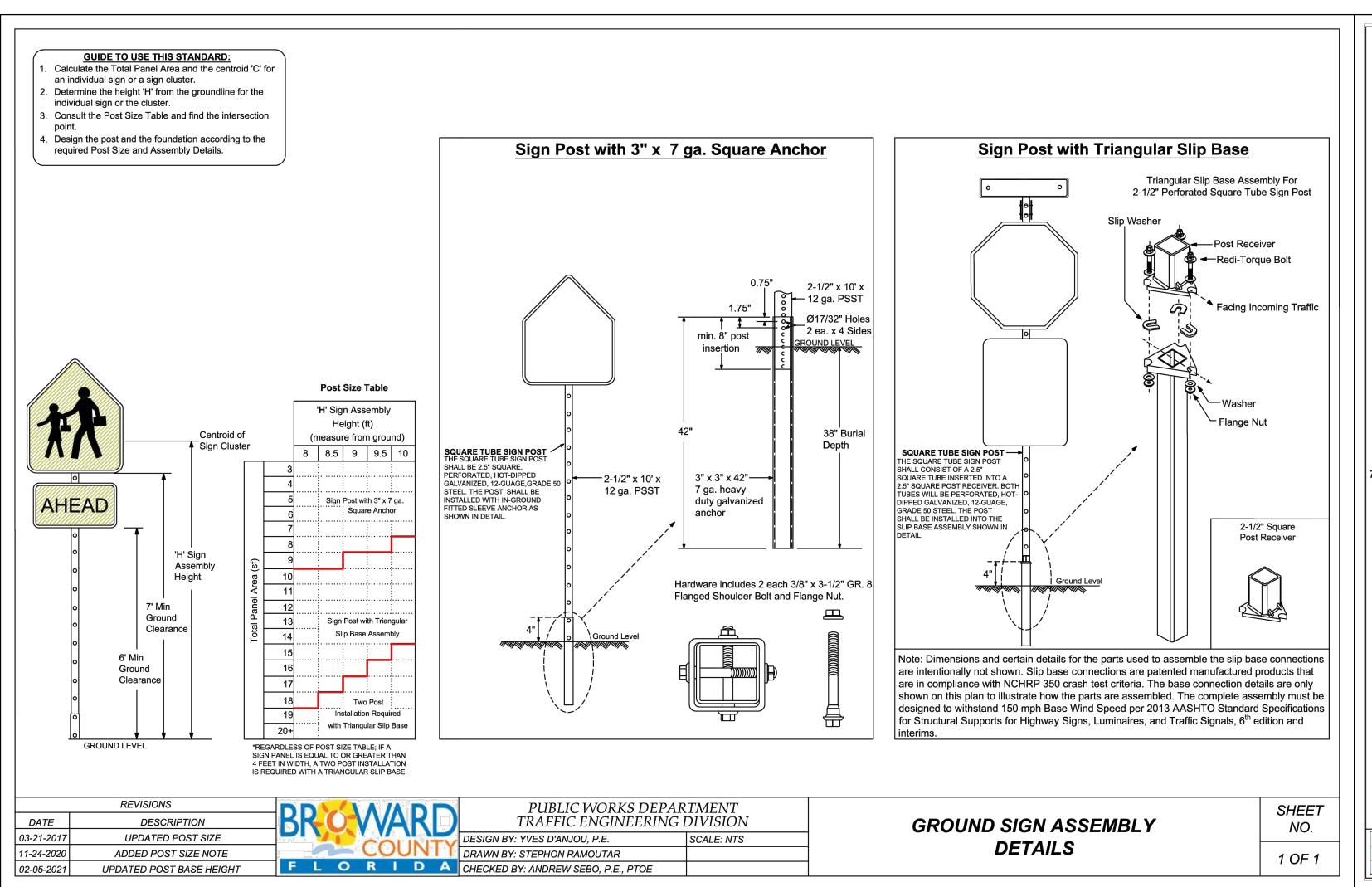


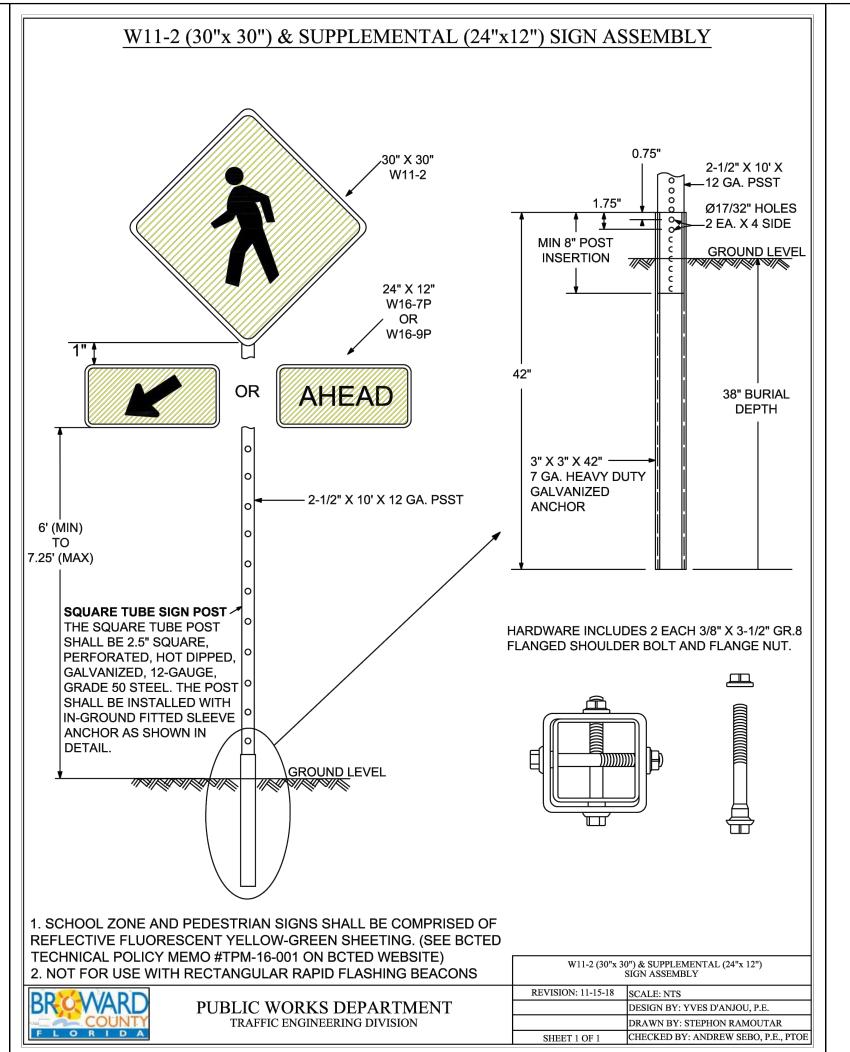
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**SIGNING AND PAVEMENT MARKING PLAN** 







(Revised: 10/13/2015) "Communications Notes"

The agency responsible for maintenance of the traffic signals and related equipment is Broward County Traffic Engineering Division (BCTED). All system communications equipment, cabling and related material shall comply with Broward County's latest edition of the minimum standards as expressed in the "Standards and Specifications - Communication Infrastructure" document. Please refer to (BCTED's) Communications Policies and Procedures for additional information. Broward County Traffic Engineering Division will not accept any projects that do not meet these standards and specifications. If fiber optic pull boxes already exist at an intersection, no additional fiber optic pull boxes will need to be installed. For a copy of these standards refer to the Broward County web site at www.BROWARD.ORG/TRAFFIC under publications.

If there are Copper Interconnect Cable/s within your project limits or within 1500 feet of your project limits, contact the Communications Manager at <u>tecommunications@broward.org</u> or 954-847-2745.

If there are Fiber Optic Cable/s within your project limits or within 1500 feet of your project limits contact the Communications Manager at tecommunications@broward.org or 954-847-2745.

If there are cellular communications within your project limits, contact the Communications Manager at tecommunications@broward.org or 954-847-2745

All BCTED communications cables/conduit shall be located a minimum of 48 hours in advance.

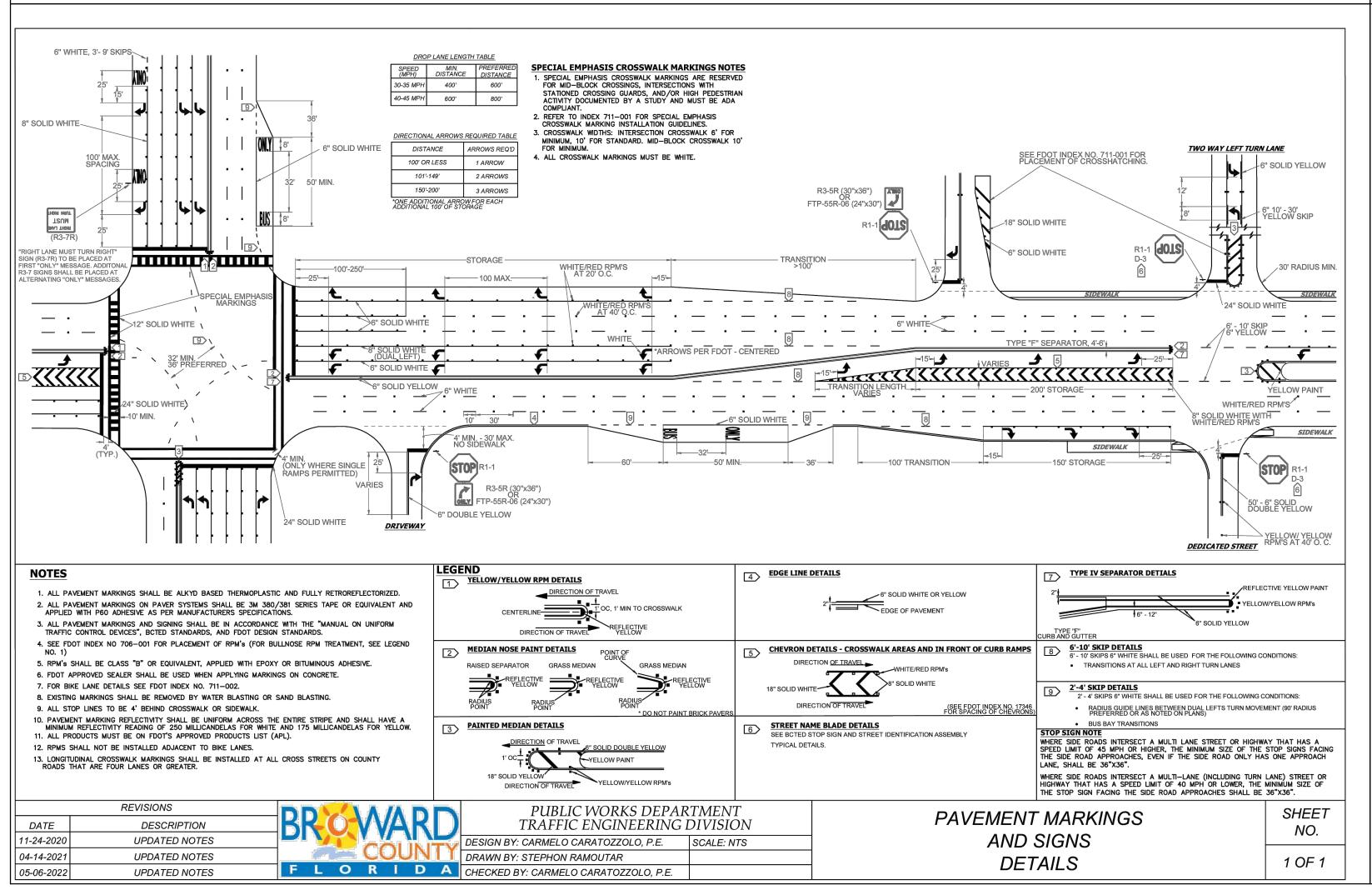
### **Broward County Traffic Engineering Division Procedure for Notification of Communication Disruption**

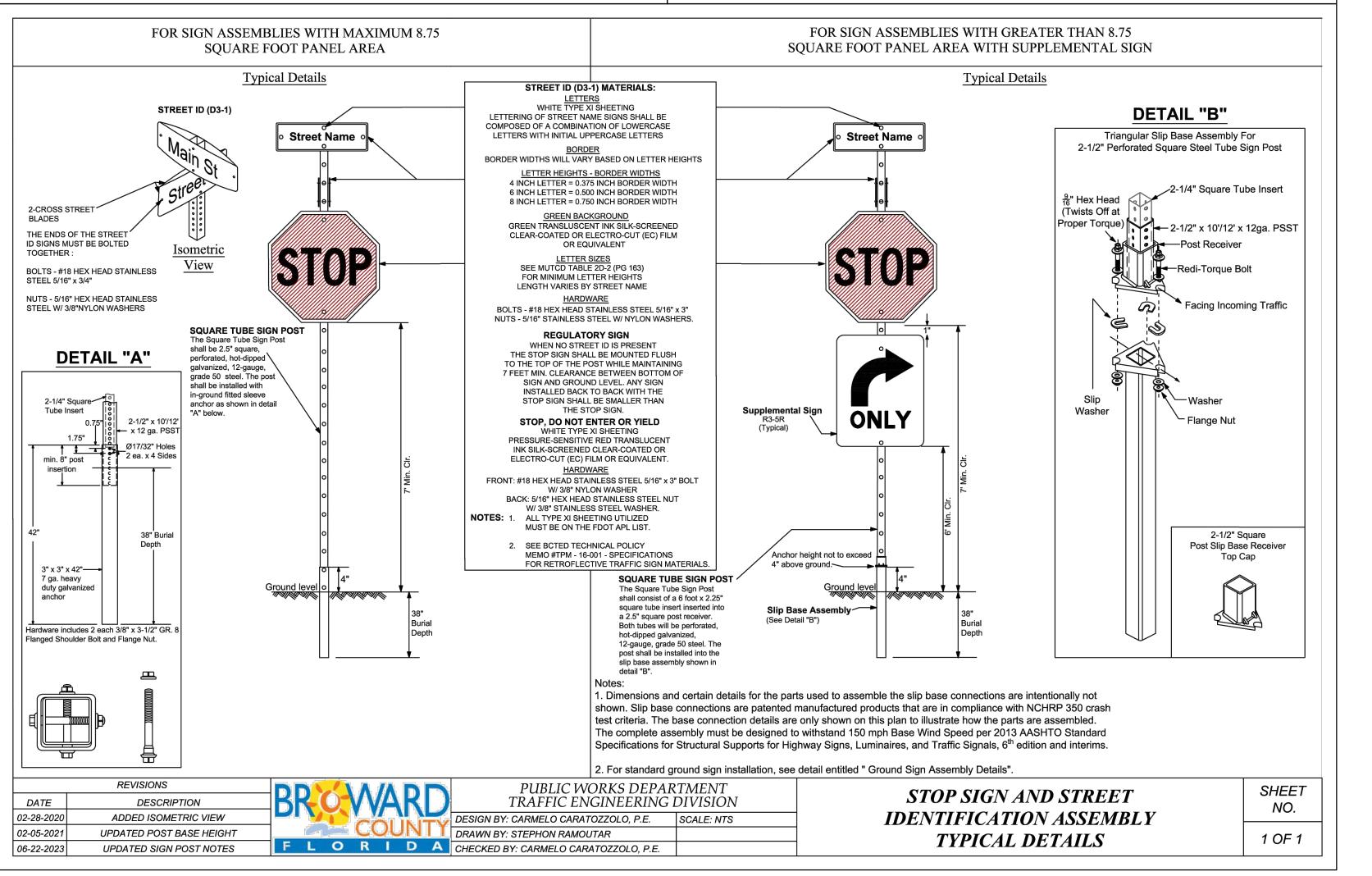
Copper Interconnect Cable Notification Contact Person When communications to an intersection must be disrupted by a Contractor to perform work, the Contractor shall provide two day advance notice in writing to the Broward County Traffic Engineering Division. This notification shall be conveyed via electronic mail (email) to the Traffic Signal Technician III at tecommunications@broward.org. Notification shall include contact person, telephone number, purpose, location and duration. The disruption shall last for no more than 3 consecutive business days. Where possible, the disruption shall be during off peak hours beginning at 9:00am and ending at 3:00pm.

Fiber Optic Cable Notification Contact Person When communications to an intersection must be disrupted by a Contractor to perform work, the Contractor shall provide two day advance notice in writing to the Broward County Traffic Engineering Division. This notification shall be conveyed via electronic mail (email) to the Communications Manager at tecommunications@broward.org. Notification shall include contact person, telephone number, purpose, location and duration. The disruption shall last for no more than 3 consecutive business days. Where possible, the disruption shall be during off peak hours beginning at 9:00am and ending at 3:00pm.

Include the following in any notice of utility ownership or within a "Utility Owners/Contact Person" table:

Interconnect Communications Cables - (Robert Blount) Broward County Traffic Engineering Division





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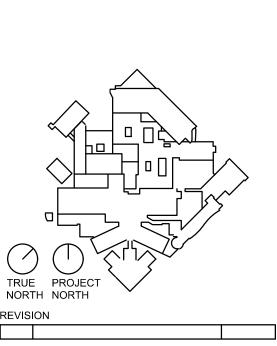
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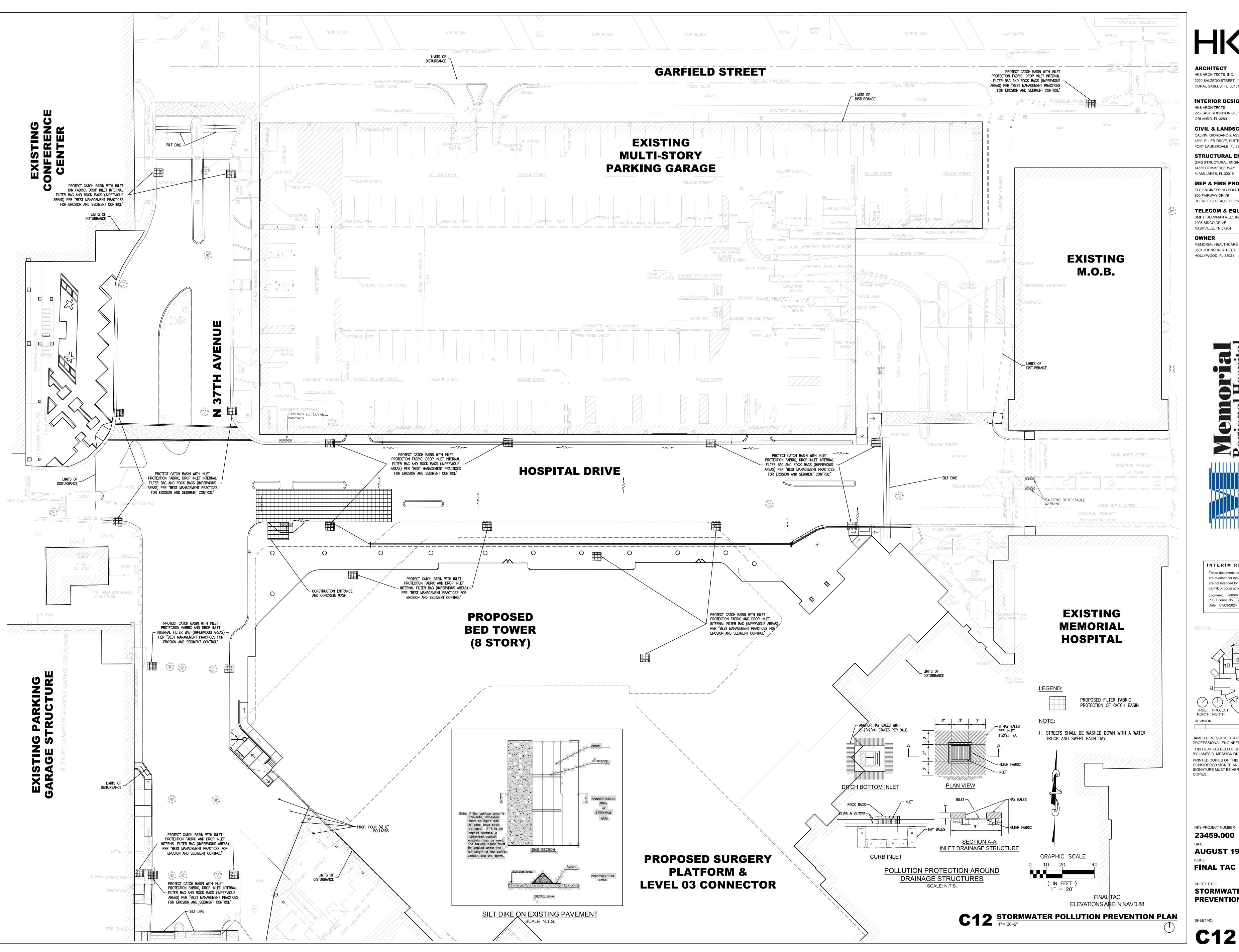
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**FINAL TAC** 

**MARKING DETAILS** 

**SIGNING AND PAVEMENT** 

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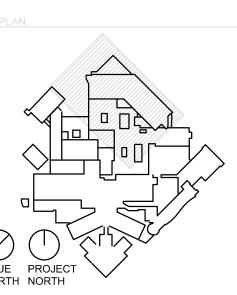
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**AUGUST 19, 2024** 

STORMWATER POLLUTION PREVENTION PLAN

		STORMWATER PO		
SITE DESCRIPTION	GENERAL	7 DRUGU DADDIED WITH ENTED FARRIO DRUGU DADDIED MAY DE HOED		
PROJECT NAME AND LOCATION:  MEMORIAL REGIONAL HOSPITAL — OPERATION ROOMS EXPANSION  OWALER NAME AND ADDRESS:	THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE	BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.  A LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT.		
OWNER NAME AND ADDRESS: SOUTH BROWARD HOSPITAL DISTRICT D/B/A MEMORIAL HEALTHCARE SYSTEM 3501 JOHNSON ST. HOLLYWOOD, FL. 33021	ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS. DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.	4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT— FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.		
DESCRIPTION: PROJECT PROPOSES IMPROVEMENTS TO PAVING, GRADING, AND DRAINAGE, PAVEMENT MARKING AND SIGNAGE, STORMWATER POLLUTION PREVENTION, AND EXISTING UTILITY RELOCATION.	SEQUENCE OF MAJOR ACTIVITIES:	5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.		
SOIL DISTURBING ACTIVITIES SOIL DISTURBING ACTIVITIES WILL INCLUDE, CLEARING AND GRUBBING, INSTALLING DRAINAGE, UTILITY RELOCATION, ELECTRICAL LINES, SOD, CONCRETE AND PAVEMENT RESTORATION.	SEQUENCE OF MAJOR ACTIVITIES:  1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES. 2. CLEAR AND GRUB SITE.	6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE MINIMIZED.		
RUNOFF CURVE NUMBERS:  1. PRE—CONSTRUCTION  N/A	3. CONTINUE WITH E&S CONTROL MEASURES. 4. INSTALL DRAINAGE, RELOCATE UTILITIES AND ELECTRICAL LINES. 5. CONTINUE WITH E&S CONTROL MEASURES. 6. BACKFILL AND INSTALL SOD AND LANSCAPING. RESTORE ASPHALT PAVEMENT AND CONCRETE	7. INLET PROTECTION: INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.		
2. DURING CONSTRUCTION N/A  3. POST—CONSTRUCTION N/A  SOILS:	<ol> <li>CONTINUE WITH E&amp;S CONTROL MEASURES.</li> <li>REMOVE ACCUMULATED SEDIMENTS FROM EXISTING STORMWATER MANAGEMENT SYSTEM.</li> </ol>	8. DUST CONTROL: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL TREATMENT WITHIN 30 DAYS SHALL BE STABILIZED.		
REFER TO GEOTECHNICAL REPORT  SITE MAPS: REFER TO PLANS		9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES		
SITE AREA:  1. TOTAL AREA OWNED: ~0.44 ACRES  2. AREA TO BE DISTURBED: ~0.44 ACRES (PROJECT AREA)		LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.  10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA( SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHE SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWN CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVE TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRE FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.		
NAME OF RECEIVING WATERS:  RUNOFF TO BE CONTAINED ONSITE	TIMING OF CONTROLS/MEASURES  THE FILTER FABRIC AND HAY BALES WILL BE INSTALLED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE.			
CONTROLS	STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE	11. TEMPORARY REGRASSING : IF, AFTER 14 DAYS FROM SEEDING, THE		
THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORMWATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THE PLAN	CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED.	TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.  12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND		
IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.		CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.		
STORMWATER MANAGEMENT: THE EXISTING STORMWATER SYSTEM CONVEYS STORMWATER RUNOFF VIA CATCH BASINS AND UNDERGROUND GRAVITY PIPING.	1. ARE THERE ENDANGERED SPECIES ON SITE?      2. ARE THERE CRITICAL HABITAT ON SITE?  NONE KNOWN	13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.		
WHERE PRACTICAL, TEMPORARY SEDIMENT BASINS WILL BE USED TO INTERCEPT	2. ARE THERE CRITICAL HABITAT ON SITE? NONE KNOWN.  IF YES TO EITHER QUESTION, PLEASE EXPLAIN.	14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG—TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION.		
SEDIMENT BEFORE ENTERING THE ONSITE DRAINAGE SYSTEM. THIS IS IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH BY FEDERAL, STATE AND LOCAL REGULATIONS.		STRUCTURAL PRACTICES (IF APPLICABLE):		
ESOAL NESSEATIONS.	CONTROLS  IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND	TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT—TRAPPING FACILITY.		
	TURBIDITY CONTROLS AS SHOWN ON THE GRADING, DRAINAGE & EROSION CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING	O TEMPORARY SERVICES TRAD A SERVICIA TRAD SUMMA DE INSTALLER IN		
CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS	PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE GRADING, DRAINAGE & EROSION CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL	2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGE WAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER		
IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.  SFWMD PERMIT #	REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE GRADING, DRAINAGE & EROSION CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.	INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:  A. BLOCK & GRAVEL SEDIMENT FILTER — THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.		
POLLUTION PREVENTION PLAN CERTIFICATION	EROSION AND SEDIMENT CONTROLS	B. GRAVEL SEDIMENT TRAP — THIS PROTECTION IS APPLICABLE WHERE		
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	STABILIZATION PRACTICES (IF APPLICABLE):  1. SYNTHETIC BALE BARRIER: SYNTHETIC BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:  A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.  B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING	HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES & UNPROTECTED AREAS.  C. DROP INLET SEDIMENT TRAP — THIS PROTECTION IS APPLICABLE WHERE		
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	DRAINAGE AREA IS NO GREATER THAN 2 ACRES.  C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.  D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF SYNTHETIC BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE	THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.		

AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE

INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR

KNOWING VIOLATIONS.

THE 67 CUBIC YARDS OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

#### 5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT

STORMWATER POLLUTION PREVENTION PLAN

3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND

PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION

& SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES &

SYTHETIC BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE

DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE

LOCATIONS, THE PROPOSED STORMWATER PONDS (OR TEMPORARY

PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE

SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 67 CUBIC YARDS OF

STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE.

THE VOLUME OF THE BASIN AT CLEAN OUT SHALL BE 22 CUBIC

YARDS PER ACRE.

THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES

SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST

REFER TO EROSION CONTROL DETAILS FOR CONSTRUCTING THE SYNTHETIC BALE

BARRIER. ALSO, REFER TO THE STORMWATER POLLUTION PREVENTION PLAN FOR

2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW

DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE

A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.

B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING

REFER TO THE EROSION CONTROL DETAILS FOR PROPER CONSTRUCTION

CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.

FOR PROPER LOCATION.

FOLLOWING LIMITATIONS:

OF THE FILTER FABRIC BARRIER.

WASTE DISPOSAL (IF APPLICABLE):

# WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

### HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

## SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

# OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

# INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

X Concrete	X Fertilizers	X Wood
X Asphalt	🛛 Petroleum Based Products	X Masonry Blocks
X Tar	🛛 Cleaning Solvents	X Roofing Materials
X Detergents	X Paints	X Metal Studs
	□	

### SPILL PREVENTION MATERIAL MANAGEMENT PRACTICES

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 STORMWATER RUNOFF.

### GOOD HOUSEKEEPING THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

ORIGINAL MANUFACTURER'S LABEL.

\* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO

DO THE JOB. \* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY

MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE. \* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL

\* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

\* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

\* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

\* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

HAZARDOUS MATERIALS. \* PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH

\* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.

\* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE

PRODUCT SPECIFIC PRACTICES THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORMWATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS. CONCRETE TRUCKS

CONCRETE TRUCKS WILL 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 WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e. KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY

# ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT

CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF

# MAINTENANCE/INSPECTION PROCEDURES

APPLICABLE, IN THE OFFICE TRAILER ONSITE.

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS. NO MORE THAN 5 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.

ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY TO DAY SITE OPERATION OR SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.

ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF

BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

\* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.

\* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.

\* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED.

\* TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED

FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

\* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND AND EROSION PLANS, OR STORMWATER MANAGEMENT PLANS.

THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.

\* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE

\* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE. SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

# NON-STORMWATER DISCHARGES

BASIN PRIOR TO DISCHARGE.

IT IS EXPECTED THAT THE FOLLOWING NON-STORMWATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD: \* WATER FROM WATER LINE FLUSHING

\* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). \* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORMWATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT

# CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORMWATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

RESPONSIBLE FOR/DUTIES	GENERAL CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR	SUB-CONTRACTOR
BUSINESS NAME AND ADDRESS OF CONTRACTOR & ALL SUBS					
SIGNATURE					

FINAL TAC **ELEVATIONS ARE IN NAVD 88** 

C13 STORMWATER POLLUTION PREVENTION PLAN NOTES & SPECIFICATIONS

**ARCHITECT** HKS ARCHITECTS, INC. 2020 SALZEDO STREET, 4TH FLOOR CORAL GABLES, FL 33134

INTERIOR DESIGNER

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14335 COMMERCE WAY MIAMI LAKES, FL 33016

MEP & FIRE PROTECTION TLC ENGINEERING SOLUTIONS, INC.

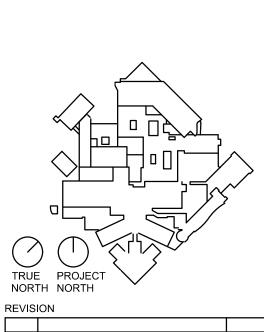
800 FAIRWAY DRIVE DEERFIELD BEACH, FL 33441 **TELECOM & EQUIPMENT** 

SMITH SECKMAN REID, INC. 2995 SIDCO DRIVE NASHVILLE, TN 37204

OWNER

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JAMES D. MESSICK, STATE OF FLORIDA, PROFESSIONAL ENGINEER, LICENSE NO. 70870. THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES D. MESSICK ON THE DATE INDICATED HERE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

HKS PROJECT NUMBER 23459.000

**AUGUST 19, 2024** 

FINAL TAC

STORMWATER POLLUTION PREVENTION PLAN **NOTES & SPECIFICATIONS** 

SHEET NO.

PROJECT: SURGICAL & CRITICAL CARE TOWER EXPANSION  STORMWATER POLLUTION PREVENTION PLAN INSPECTION AND MAINTENANCE REPORT FORM  STRICTLIRAL CONTROLS	EARTH DIKE	TO BE PERFORMED BY:  CATCH BASIN/CURB INLET/OUTFALL TURBIDITY CONTROLS  STRUCTURE/ OUTFALL OUTFALL OR BEFORE:  ON OR BEFORE:  ON OR BEFORE:  CATCH BASIN/CURB INLET/OUTFALL TURBIDITY OF CLOSING/WASHOUT OR BYPASSING? OF REPLACING CONTROL  OR BYPASSING? OF REPLACING CONTROL	MAINTENANCE REQUIRED FOR CATCH BASIN/CURB INLETS/OUTFALLS TURBIDITY CONTROLS:	STORMV	CHANGES REQUIRED TO THE POLLUTION PREVENTION PLAN:	REASONS FOR CHANGES:	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 THE INFORMATION THE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.	SIGNATURE:
PROJECT: SURGICAL & CRITICAL CARE TOWER EXPANSION	INSPECTOR:		TO BE PERFORMED BY:	STORMWATER POLLLINSPECTION AND MA	DEPTH OF SEDIMENT SIDE OVERTOPPING OF THE SEDIMENT BASIN EMBANKMENT ?  SEDIMENT BASIN	MAINTENANCE REQUIRED FOR SEDIMENT BASIN:  TO BE PERFORMED BY:  ON OR BEFORE:	STABILIZED CONSTRUCTION ENTRANCE  DOES MUCH IS THE GRAVEL DOES ALL TRAFFIC IS THE CULVERT  SEDIMENT GET CLEAN OR IS IT  ROAD ? SEDIMENT? LEAVE THE SITE ? (IF APPLICABLE)	MAINTENANCE REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE:  TO BE PERFORMED BY:  DAGE 3 OF 4

**ARCHITECT** HKS ARCHITECTS, INC.

2020 SALZEDO STREET, 4TH FLOOR CORAL GABLES, FL 33134

INTERIOR DESIGNER HKS ARCHITECTS

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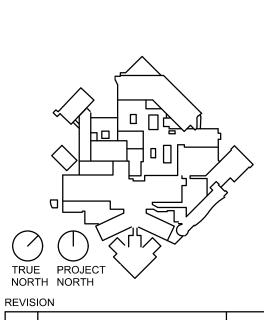
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**AUGUST 19, 2024** FINAL TAC

STORMWATER POLLUTION PREVENTION PLAN CONTRACTOR FORMS

SHEET NO.

**C14** 

C14 STORMWATER POLLUTION PREVENTION PLAN CONTRACTOR FORMS

FINAL TAC ELEVATIONS ARE IN NAVD 88