

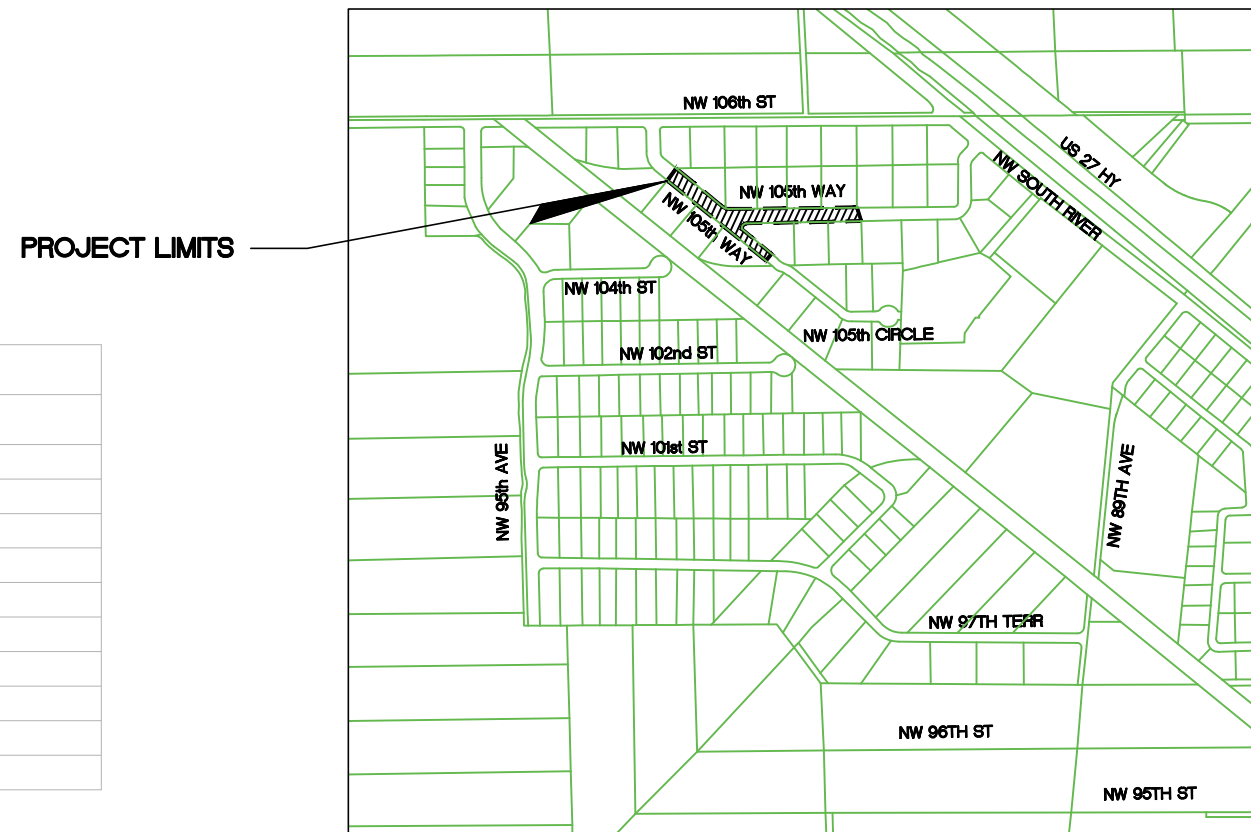
PLANS FOR PROPOSED NW 105th WAY DRAINAGE IMPROVEMENTS MEDLEY, FLORIDA OCPDS PROJECT No. 0125



MAYOR
ROBERT MARTELL

VICE MAYOR
IVAN PACHECO

COUNCIL MEMBERS
JACK MORROW
EDGAR AYALA
GRISIELA DIGIACOMO



TOWN OF MEDLEY

LOCATION MAP
SCALE: 1" = 1000'

INDEX OF ROADWAY PLANS	
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1 AND 2	TOPOGRAPHIC SURVEY
C-1	GENERAL NOTES
C-2 AND C-3	DRAINAGE PLAN
C-4 AND C-5	PAVING PLAN
C-6 THRU C-9	DRAINAGE STRUCTURE
C-10 AND C-11	DRAINAGE DETAILS
C-12	PAVEMENT MARKING AND SIGNAGE PLAN
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ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS HAVE BEEN PRODUCED IN 11X17 SIZE. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND, 3. THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT - HIGHWAY DIVISION STANDARD DETAILS, THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS AND SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AS AMENDED BY CONTRACT DOCUMENTS



Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.
Check positive response codes before you dig!

PREPARED FOR:
TOWN OF MEDLEY
STORMWATER UTILITIES DEPARTMENT

BY:



100% SUBMITTAL

11/10/17 REVISION 1 SOFT DIG INFO

PROJECT #: 1704

DATE: 07/2017

SHEET: C-0

GENERAL NOTES:

- 1 ALL ELEVATIONS REFER TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD-'29).
- 2 FLOOD CRITERIA ELEVATION IS 6.60 FEET BASED ON MIAMI DADE COUNTY FLOOD CRITERIA MAPS. OCTOBER WATER LEVEL 3.00
- 3 IN ACCORDANCE WITH THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) FLOOD INSURANCE RATE MAP (FIRM) THIS PROJECT IS LOCATED IN FLOOD ZONE "X",
- 4 ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED HAVE TO BE PROPERLY REFERENCED BY A PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR OF REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
- 5 ALL REFERENCE POINTS AND BENCH MARKS AS INDICATED ON THE ATTACHED PLANS SHALL BE PRESERVED AND PROTECTED BY THE CONTRACTOR. PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL REESTABLISH AND MARK THOSE CONTROL POINTS IN A PERMANENT MANNER ON THE SURFACE OF THE COMPLETED WORK. ALL CONTROL POINTS RE-ESTABLISHED AND MARKED SHALL BE CERTIFIED, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR AND RETURNED TO THE ENGINEER OF RECORD.
- 6 ALL CONSTRUCTION ASSOCIATED WITH THIS PROJECT SHALL BE IN ACCORDANCE WITH APPLICABLE CODES & AUTHORITIES HAVING JURISDICTION, INCLUDING BUT NOT LIMITED TO THE TOWN OF MEDLEY PUBLIC WORKS DEPARTMENT, MIAMI-DADE DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS DEPARTMENT STANDARDS, THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT), MIAMI-DADE COUNTY'S REGULATORY AND ECONOMIC RESOURCES (RER). ANY DISCREPANCY MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE TOWN OF MEDLEY AND ENGINEER OF RECORD (EOR).
- 7 48 HOURS PRIOR TO DIGGING CONTRACTOR SHALL COORDINATE WITH ALL UNDERGROUND UTILITY SERVICE COMPANIES TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES, ADDITIONALLY, CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA, INC. (811) TO ASSURE THAT ALL UTILITIES HAVE BEEN IDENTIFIED.
- 8 THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE ONLY. THE EXACT LOCATION SHALL BE DETERMINED BY THE CONTRACTOR DURING CONSTRUCTION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION, ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE TOWN OF MEDLEY. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- 9 UNDERGROUND UTILITY INFORMATION SHOWN HEREON WAS TAKEN FROM DATA PROVIDED BY THE TOWN OF MEDLEY. "AS-BUILT" DATA PROVIDED BY THE VARIOUS UTILITY COMPANIES AND SUPPLEMENTED BY FIELD MEASUREMENTS WHEN OBTAINABLE.
- 10 UTILITIES NEEDED TO BE ADJUSTED WILL BE ADJUSTED BY OTHERS. CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING THESE ADJUSTMENTS WITH THE UTILITY COMPANY.
- 11 THE CONTRACTOR SHALL REQUEST THE LOCATION OF ANY WATER, SEWER OR GAS LATERALS SERVICING PROPERTIES ADJACENT TO THE PROJECT BEFORE EXCAVATING, THE ADDITIONAL COST OF EXCAVATING AROUND THE LATERALS SERVICING SAID PROPERTIES SHALL BE INCLUDED IN HIS BID.
- 12 ANY WATER AND SEWER LINES TO BE ADJUSTED SHALL BE APPROVED BY THE TOWN OF MEDLEY DEPARTMENT OF WATER AND SEWERS. EXISTING SANITARY LATERALS IN CONFLICT WITH THE INSTALLATION OF EXFILTRATION TRENCH SHALL BE CUT AND REPLACED WITH P.V.C. PIPE ACCORDINGLY.
- 13 CONTRACTOR SHALL HAVE A SET OF PLANS WITH CURRENT FIELD CHANGES MARKED THERE-ON AND SHALL DELIVER THESE PLANS TO THE ENGINEER UPON COMPLETION OF CONSTRUCTION.
- 14 ALL EXCAVATION SHALL BE BACKFILLED. THEREFORE ORIGINAL GRADE SHALL BE RESTORED UPON COMPLETION OF COMPACTION.
- 15 BACKFILLING PAVEMENT CUTS AND EXCAVATION WITHIN 2 FEET OF PAVEMENT EDGE SHALL MEET THE FOLLOWING ADDITIONAL REQUIREMENTS:
 (A) COMPACTED TO A DENSITY NOT LESS THAN 98% (ASTM D-1557-70)
 (B) DENSITY TESTS SHALL BE CONDUCTED EVERY 12" OF UNCOMPACTED DEPTH OR AS DIRECTED BY THE ENGINEER.
- 16 THE CONTRACTOR SHALL PROVIDE ALL WARNING LIGHTS, SIGNALS, SIGNS AND FLAGPERSONS AS REQUIRED BY THE TOWN OF MEDLEY AND MIAMI-DADE COUNTY TRAFFIC ENGINEERING DIVISION. NO ADDITIONAL COMPENSATION SHALL BE GRANTED BY THE TOWN OF MEDLEY FOR MOT COSTS ASSOCIATED WITH THIS PROJECT AFTER PROJECT AWARD. CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL SCHOOLS & EMERGENCY SERVICES WITHIN THE VICINITY OF THE PROJECT LIMITS ABOUT THE CONSTRUCTION SCHEDULE.
- 17 ALL DISPOSAL OF EXCESS AND UNSUITABLE EXCAVATED MATERIAL, DEMOLITION, VEGETATION, RUBBISH AND DEBRIS SHALL BE MADE OUTSIDE THE LIMITS OF CONSTRUCTION AT A LEGAL DISPOSAL SITE PROVIDED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE, WITH THE PRIOR APPROVAL OF THE ENGINEER. MATERIAL CLEARED FROM THE SITE SHALL NOT BE DEPOSITED ON ADJACENT AND/OR NEARBY PROPERTY.
- 18 ALL EXCESS MATERIALS AS DESIGNATED BY THE ENGINEER ARE TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM AND AT THE CONTRACTOR'S EXPENSE.
- 19 ALL DRAINAGE CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF MIAMI-DADE COUNTY DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER).
- 20 CONTRACTOR IS TO PREVENT INTRODUCTION OF DEBRIS OR DIRT INTO NEW OR EXISTING STORM DRAINAGE SYSTEM AS A RESULT OF CONSTRUCTION ACTIVITIES. ALL LINES AND STRUCTURES SHALL BE KEPT CLEAN THROUGHOUT THE PROJECT AND PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
- 21 THE CONTRACTOR IS TO USE CAUTION WHEN WORKING, SPECIALLY IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.

- 22 CONTRACTOR SHALL SEQUENCE THE WORK SO AS TO MINIMIZE IMPACTS ON EXISTING OPERATIONS AND ACCESS TO BUSINESS, RESIDENTS AND FOR EMERGENCY OPERATIONS. CONTRACTOR SHALL PROVIDE SAFE ACCESS TO PROPERTIES AT ALL TIMES.
- 23 ALL MUCK AND ORGANIC MATERIALS FOUND WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND REPLACED WITH CLEAN FILL MATERIAL IN 6 INCH LIFTS COMPACTED TO NOT LESS THAN 95% MAXIMUM DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH AASHTO T-180.
- 24 THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF THE SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH OR DURING THE FILING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES.
- 25 ANY EXISTING BUILDING, PAVEMENT OR OTHER EXISTING IMPROVEMENTS NOT SPECIFIED FOR REMOVAL WHICH IS DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST AND SATISFACTION TO THE TOWN OF MEDLEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE SAFETY PRECAUTIONS DURING EXCAVATION AND TRENCHING OPERATIONS AS REQUIRED BY THE "TRENCH SAFETY ACT".
- 26 ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO EXPENSE TO THE TOWN OF MEDLEY. TRAFFIC SIGNS DAMAGED SHALL BE RESTORED IMMEDIATELY BY THE CONTRACTOR.
- 27 PAVEMENT REPAIRS SHALL BE "TYPE 1" UNLESS OTHERWISE NOTED. CONCRETE CURB AND GUTTERS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED PER MIAMI-DADE COUNTY PUBLIC WORKS MANUAL, PART 1 (STANDARD DETAIL: R14.1).
- 28 CONTRACTOR SHALL ADHERE TO THE MUNICIPAL CODE OF TOWN OF MEDLEY WHICH PROHIBITS EXCAVATION & CONSTRUCTION BEFORE 7:00 AM & AFTER 6:00 PM, MONDAY TO FRIDAY & ALL DAY SATURDAY & SUNDAY, UNLESS OTHERWISE INSTRUCTED BY THE TOWN.
- 29 PROPOSED ELEVATIONS SHOWN AT DRAINAGE STRUCTURES REFER TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- 30 FOR ALL STATIONS AND OFFSETS REFER TO THE BASELINE OF SURVEY UNLESS OTHERWISE NOTED.
- 31 WHERE NEW PAVEMENT MEETS EXISTING CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH EXISTING PAVEMENT. SAW CUT AT EXISTING PAVEMENT JOINT MATCHING TO NEW PAVEMENT.
- 32 CONTRACTOR SHALL COMPLY WITH ALL LOCAL AIR QUALITY AND POLLUTION CONTROL REGULATIONS THAT PERTAIN TO CONSTRUCTION ACTIVITIES. ALL COST FOR CONTROLLING DUST OR POLLUTION OF ANY KIND SHALL BE INCIDENTAL TO THE CONTRACT.
- 33 CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTING EVENTS A MINIMUM OF 72 HOURS IN ADVANCE.
- 34 CONTRACTOR SHALL WARRANTY ALL WORK INCLUDING MATERIALS AND LABOR FOR A MINIMUM PERIOD IN ACCORDANCE WITH TOWN OF MEDLEY
- 35 CERTIFICATE OF COMPLETION OF PROJECT IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS WILL NOT BE ISSUED BY E.O.R. TO AGENCIES HAVING JURISDICTION UNLESS ALL REQUIREMENTS FOR CONSTRUCTION WORK ARE COMPLIED WITH AND CERTIFIED BY REGISTERED FLORIDA LAND SURVEYOR AS-BUILT DRAWINGS SUBMITTED AND ALL PERTINENT PERMITS ARE CLOSED.
- 36 EQUIPMENT -ALL CONSTRUCTION EQUIPMENT NECESSARY AND REQUIRED FOR THE PROPER CONSTRUCTION OF THIS PROJECT SHALL BE IN FIRST-CLASS WORKING CONDITION. DOWN TIME DUE TO FAULTY OR INOPERABLE EQUIPMENT SHALL BE NO EXCUSE FOR NOT MAINTAINING PROJECT CONSTRUCTION SCHEDULE.
- 37 ALL APPLICABLE PERMITS, PERMIT FEES AND CHARGES FROM AGENCIES HAVING JURISDICTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND MUST BE OBTAINED/PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION. THIS SHALL BE INCLUDED IN CONTRACTOR'S BID PRICE FOR THE PROJECT.
- 38 CONTRACTOR SHALL BE AWARE THAT ELEMENTS AND SEGMENTS OF THE WORK ARE LOCATED IN CLOSE PROXIMITY TO BUSINESSES AND OFFICES THAT WILL REMAIN OPERATIONAL DURING THE CONSTRUCTION OF THE PROJECT.
- 39 ALL WORK SHALL BE COORDINATED WITH SURROUNDING BUSINESS OWNERS. A MINIMUM OF TWO WEEKS NOTIFICATIONS MUST BE GIVEN PRIOR TO CONSTRUCTION ACTIVITY AND EVIDENCE OF SUCH COORDINATION SHALL BE MADE IMMEDIATELY AVAILABLE UPON REQUEST.
- 40 ALL EXISTING ROCK BASE MATERIAL WHICH IS REMOVED IS TO BE INCORPORATED IN THE STABILIZED PORTION OF THE SUBGRADE, AS DIRECTED BY THE ENGINEER.
- 41 NONE OF THE EXISTING ROCK BASE THAT IS REMOVED IS TO BE INCORPORATED INTO THE PROPOSED LIMEROCK BASE
- 42 CONTRACTOR SHALL ADJUST ALL EXISTING VALVES BOXES, CATCH BASINS GRATES, MANHOLES COVERS, ETC. TO MEET NEW GRADES WHERE APPLICABLE.
- 43 EXISTING WATER AND SEWER SERVICES LATERAL IN CONFLICT WITH THE DRAINAGE PIPE SHALL BE ADJUSTED AS REQUIRED AND IN ACCORDANCE TO TOWN OF MEDLEY STANDARDS

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1	11/10/17	Y.P.	SOFT DIG INFO	DESIGNED BY: Y.P.	SEAL:
				DRAWN BY: Y.P.	
				CHECKED BY: J.C.F.	
REV.	DATE	BY:	DESCRIPTION	DATE:	07/2017

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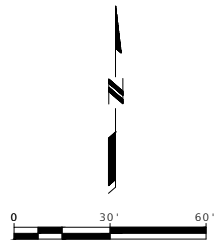
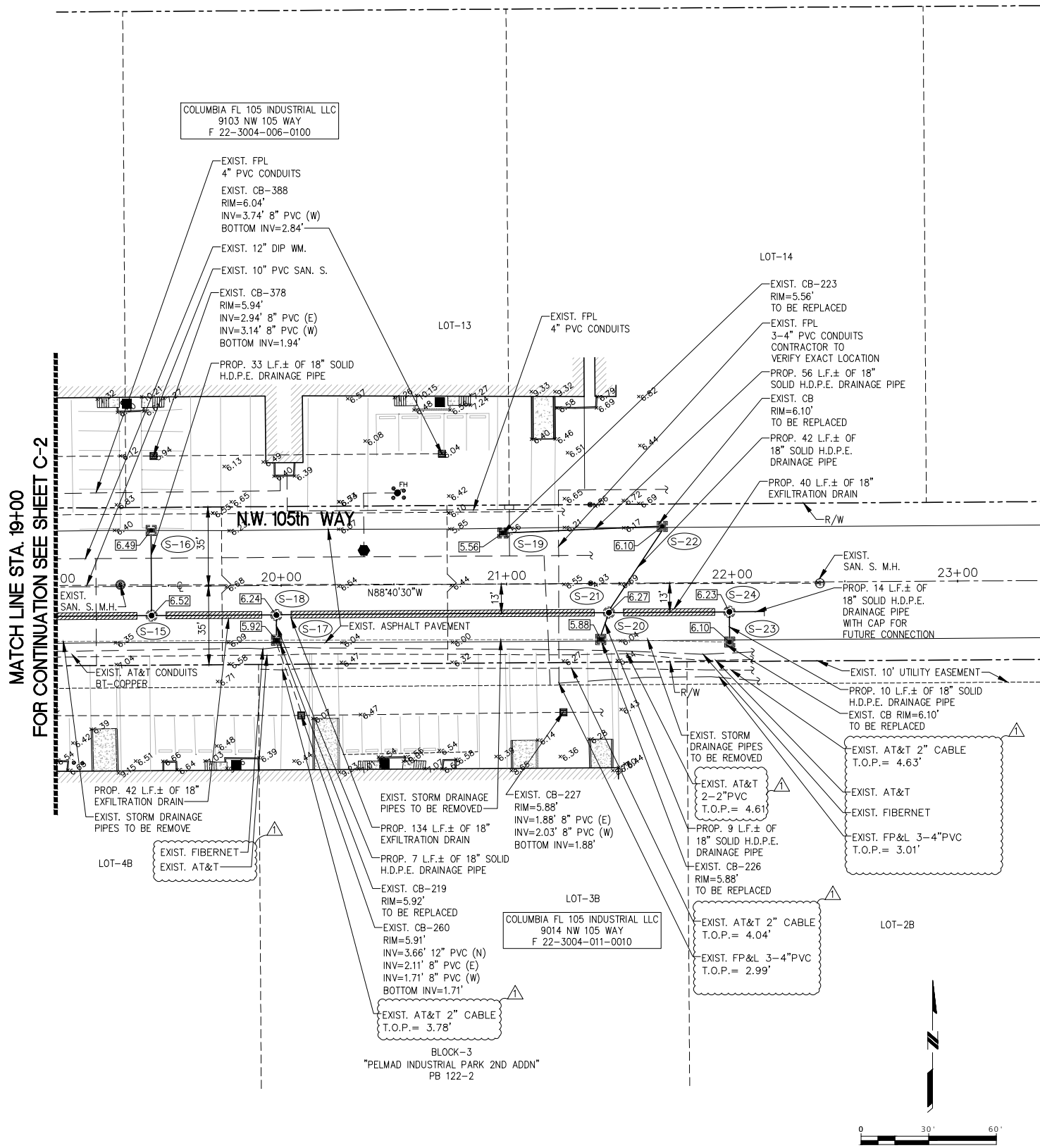


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
NW 105th WAY DRAINAGE IMPROVEMENTS

GENERAL NOTES

SCALE: AS SHOWN	
PROJECT NO.: 1704	
DWG. NO.: 1704-C-1	SHEET: C-1

THE USE OF THESE PLANS AND SPECIFICATIONS SHALL BE RESTRICTED TO THE ORIGINAL SITE FOR WHICH THEY WERE PREPARED AND PUBLICATION THEREOF IS EXPRESSLY LIMITED TO SUCH USE. REPRODUCTION OR PUBLICATION BY ANY METHOD, IN WHOLE OR IN PART, IS PROHIBITED. TITLE TO THE PLANS AND SPECIFICATIONS REMAINS WITH SRS ENGINEERING, INC. WITHOUT PREJUDICE. VISUAL CONTACT WITH THESE PLANS AND SPECIFICATIONS SHALL CONSTITUTE FRAUD. PLEASE EVIDENCE OF THE ACCEPTANCE OF THE RESTRICTIONS.



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FOR CONTINUATION SEE SHEET C-2

1	11/10/17	Y.P.	SOFT DIG INFO
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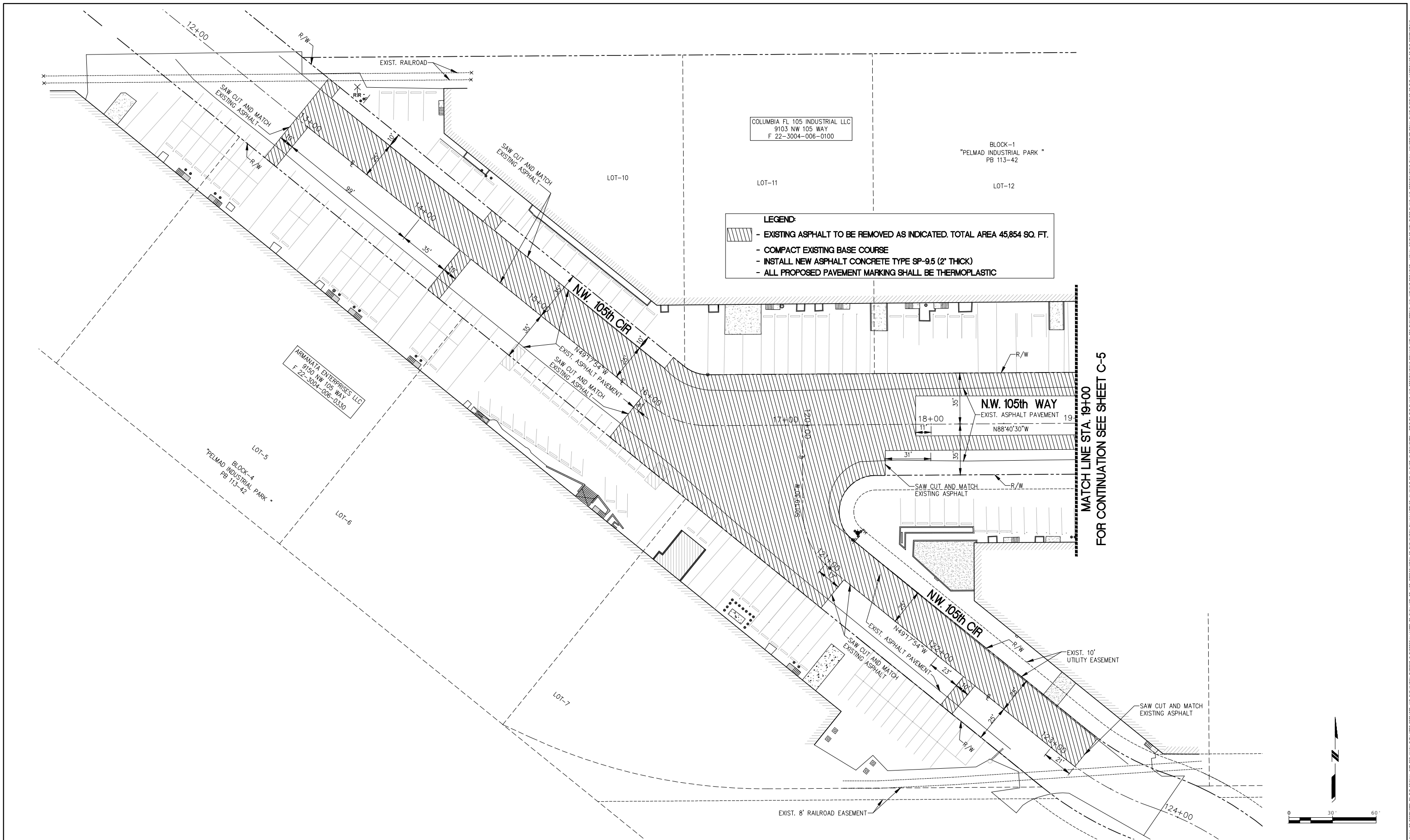


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 NW 105th WAY DRAINAGE IMPROVEMENTS

DRAINAGE PLAN

SCALE: AS SHOWN
PROJECT NO.: 1704
DWG. NO.: 1704-C2_C3
SHEET: C-3

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TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
NW 105th WAY DRAINAGE IMPROVEMENTS

PAVING PLAN

SCALE:
AS SHOWN
 PROJECT NO.:
1704
 DWG. NO.: 1704-C4_C5
 SHEET: **C-4**

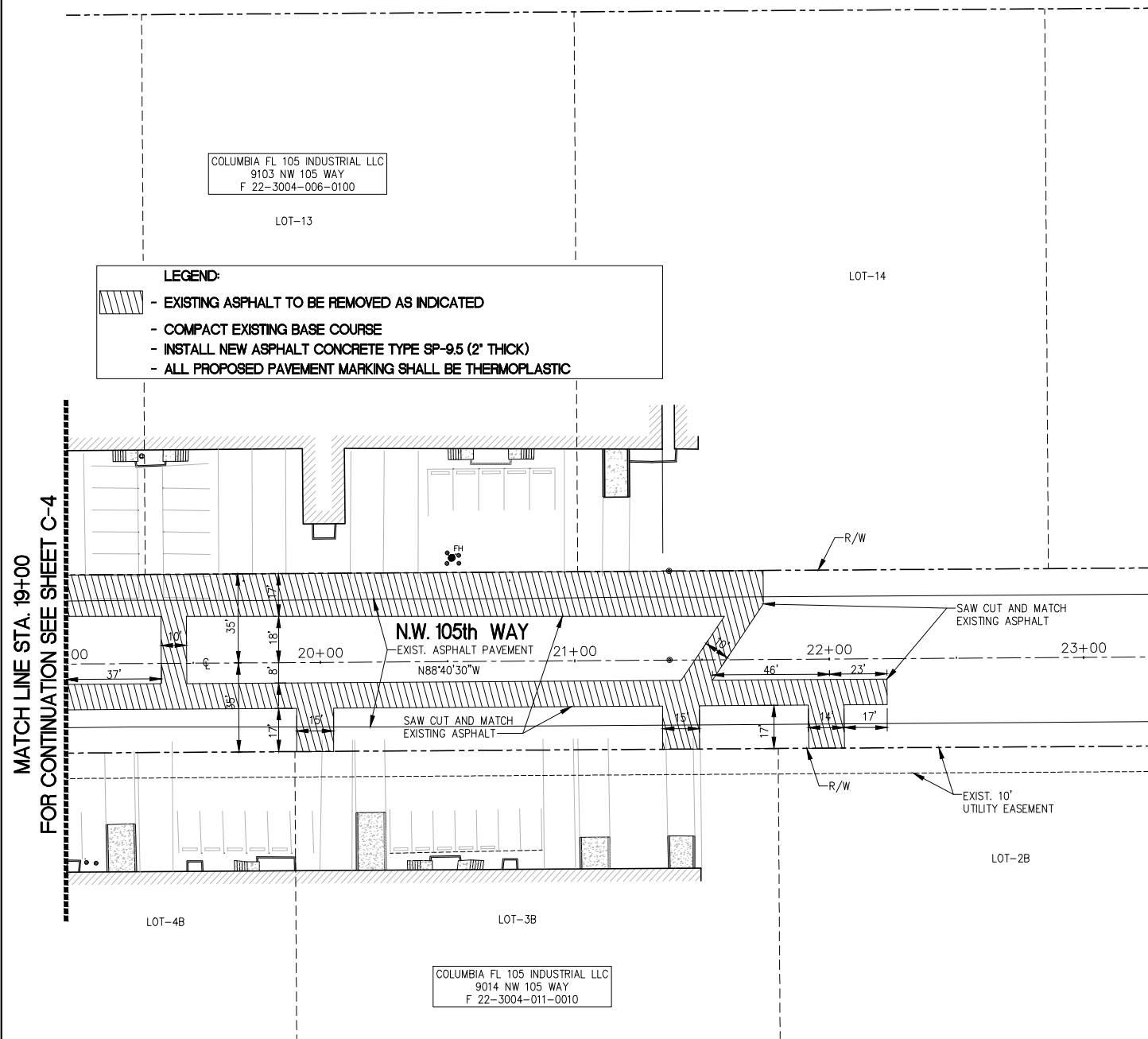
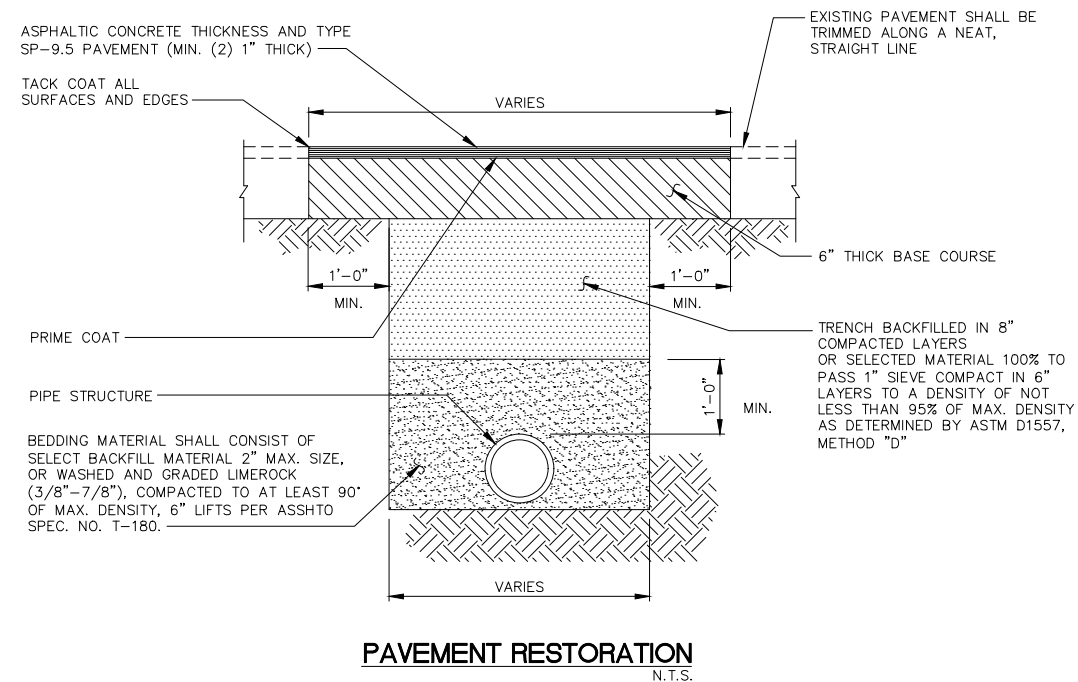
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PRE-TRENCHING NOTES:

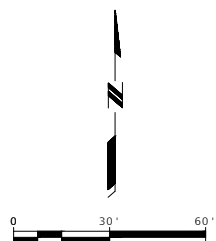
- EXTREME CAUTION SHALL BE USED DURING ANY EXCAVATION. ALL EXCAVATIONS MUST BE SHORED, SHEETED, BRACED OR OTHERWISE SUPPORTED TO AVOID CAVE-INS AND COMPROMISE SAFETY.
- PRE-TRENCHING DIRECTIONS TO CONTRACTOR:
 - CONTRACTOR SHALL UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE PRESSURE OF THE SOIL.
 - CONTRACTOR SHALL UTILIZE A SUPPORT SYSTEM STURDY ENOUGH TO WITHSTAND THE STRESS WHICH MAY BE EXERTED BY WATER, VIBRATION, OR HEAVY LOADS.
 - CONTRACTOR SHALL PROPERLY SUPPORT ANY UNDERGROUND INSTALLATIONS THAT ARE UNCOVERED.
 - CONTRACTOR SHALL CONFORM TO THE TRENCH SAFETY ACT AND ALL OSHA REQUIREMENTS.
- BEFORE TRENCHING OR EXCAVATION, CONTRACTOR SHALL CHECK AND VERIFY THE FOLLOWING:
 - SOIL CONDITIONS.
 - PROXIMITY OF PROPOSED IMPROVEMENTS TO UTILITIES, BUILDINGS & SOURCES OF VIBRATIONS.
 - OWNERS OF UTILITIES, SERVICE, OR TRANSMISSION PIPING, ETC., & ARRANGE FOR SHUTDOWN OR RELOCATION OF FACILITIES, IF NECESSARY.
 - TREES, BOULDERS, FENCES, GATES, PRIVATE DECORATIONS, MAILBOXES, LANDSCAPING, OR OTHER HAZARDS.
 - ADEQUACY & AVAILABILITY OF ALL EQUIPMENT, INCLUDING PERSONAL PROTECTIVE GEAR, SHORING MATERIALS, SIGNS, BARRICADES & MACHINERY.
- DURING AND AFTER TRENCHING OR EXCAVATION, CONTRACTOR SHALL REGULARLY CHECK FOR THE FOLLOWING:
 - CHANGING GROUND CONDITIONS PARTICULARLY AFTER RAINFALL.
 - POSSIBLE OXYGEN DEFICIENCY OR GASEOUS CONDITIONS.
 - ADEQUACY OF SHORING AND/OR SLOPING AS WORK PROGRESSES.
 - MAINTENANCE OF ENTRANCE & EXIT FACILITIES.
 - ALL SHEETING, BRACING, SHORING & UNDERPINNING, PORTABLE TRENCH BOXES OR SHIELDS POSITIONED TO PREVENT SLIDING, FALLING, OR KICK OUT.
 - CHANGES IN VEHICULAR & MACHINERY OPERATIONAL PATTERNS.
 - SLOPING OF BANKS, SIDES & WALLS IN RELATION TO DEPTH OF CUT, WATER CONTENT OF SOIL, VIBRATIONS.
 - LOCATION OF HEAVY EQUIPMENT - POWER SHOVELS, DERRICK, TRUCKS.
 - EXCAVATION MATERIAL IS TWO FEET OR MORE FROM EDGE OF OPENING.
- PRE-TRENCHING REQUIREMENTS CHECKLIST:
 - THE WALLS & FACES OF ALL EXCAVATIONS IN WHICH EMPLOYEES ARE EXPOSED TO DANGER FROM MOVING GROUND SHALL BE GUARDED BY A SHORING SYSTEM, SLOPING OF THE GROUND OR SOME OTHER EQUIVALENT MEANS.
 - THE DETERMINATION OF THE ANGLE OF REPOSE & DESIGN OF THE SUPPORTING SYSTEM SHALL BE BASED ON CAREFUL EVALUATION OF PERTINENT FACTORS SUCH AS: DEPTH OF CUT, POSSIBLE VARIATION IN THE WATER CONTENT OF THE MATERIALS FROM EXPOSURE TO AIR, SUN AND/OR WATER.
 - IN EXCAVATIONS WHICH EMPLOYEES MAY BE REQUIRED TO ENTER, EXCAVATED OR OTHER MATERIALS SHALL BE EFFECTIVELY STORED & RETAINED AT LEAST 2 FT OR MORE FROM THE EDGE OF THE EXCAVATION.

PAVING NOTES:

- RESURFACING OF MILLED AREAS SHALL BE COMPLETED WITHIN 1 CALENDAR DAY OF MILLING OPERATION TO MINIMIZE POT HOLE DEVELOPMENT AND INCONVENIENCES TO MOTORING PUBLIC.
- UNLESS OTHERWISE INDICATED, ONLY ROADWAY LANES AFFECTED BY ACTUAL CONSTRUCTION OR DAMAGED BY CONSTRUCTION EQUIPMENT SHALL BE MILLED AND RESURFACED. LANES DAMAGED BY CONSTRUCTION EQUIPMENT OR BY THE IMPROPER OPERATION OF CONSTRUCTION EQUIPMENT SHALL BE RESTORED AT THE CONTRACTOR'S EXPENSE. ALL RESTORATION SHALL COMPLY WITH THE STANDARDS AND REQUIREMENTS OF AGENCIES HAVING JURISDICTION.
- COMPACTION REQUIREMENTS SPECIFIED BY FDOT AND MDPWD (PWWW) TECHNICAL SPECIFICATIONS SHALL BE ADHERED TO.
- EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- WHERE MILLING IS DIRECTED FOR ON THE PLANS, THE CONTRACTOR SHALL MILL TO AVOID EXPOSURE OF THE BASE MATERIAL. BITUMINOUS TACK COAT MATERIAL SHALL BE APPLIED TO MILLED SURFACES PRIOR TO RESURFACING AND IN BETWEEN ASPHALT LIFTS.
- TACK COAT AND ITS APPLICATION SHALL COMPLY FULLY WITH FDOT STANDARDS. THE COST OF THE MATERIAL AND APPLICATION OF TACK COAT SHALL BE INCLUDED IN THE BID COST FOR ASPHALT PAVING.



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FOR CONTINUATION SEE SHEET C-4



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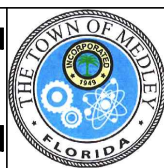
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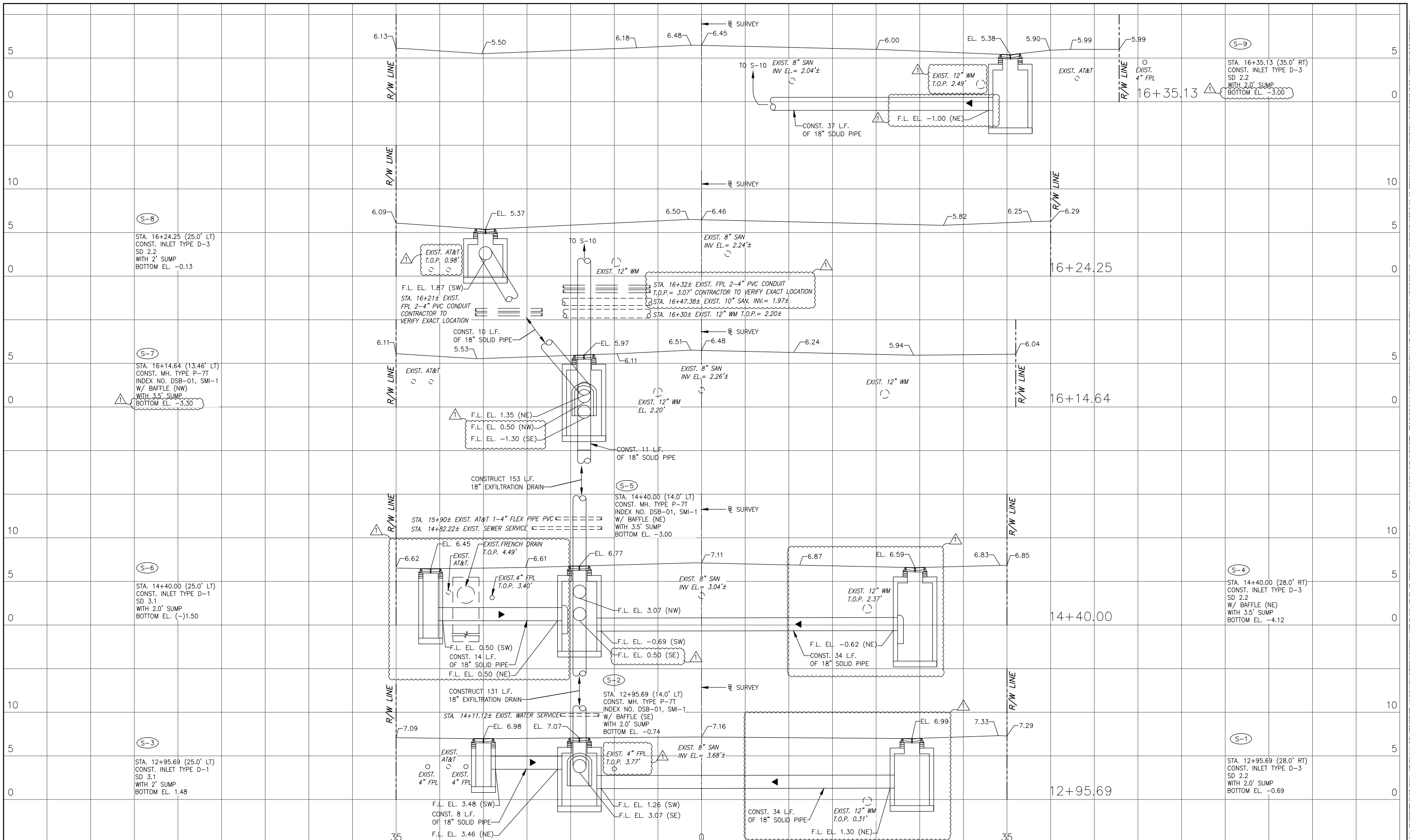


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
NW 105th WAY DRAINAGE IMPROVEMENTS

SCALE:	AS SHOWN
PROJECT NO.:	1704
DWG. NO.:	1704-C4_C5
SHEET:	C-5

PAVING PLAN

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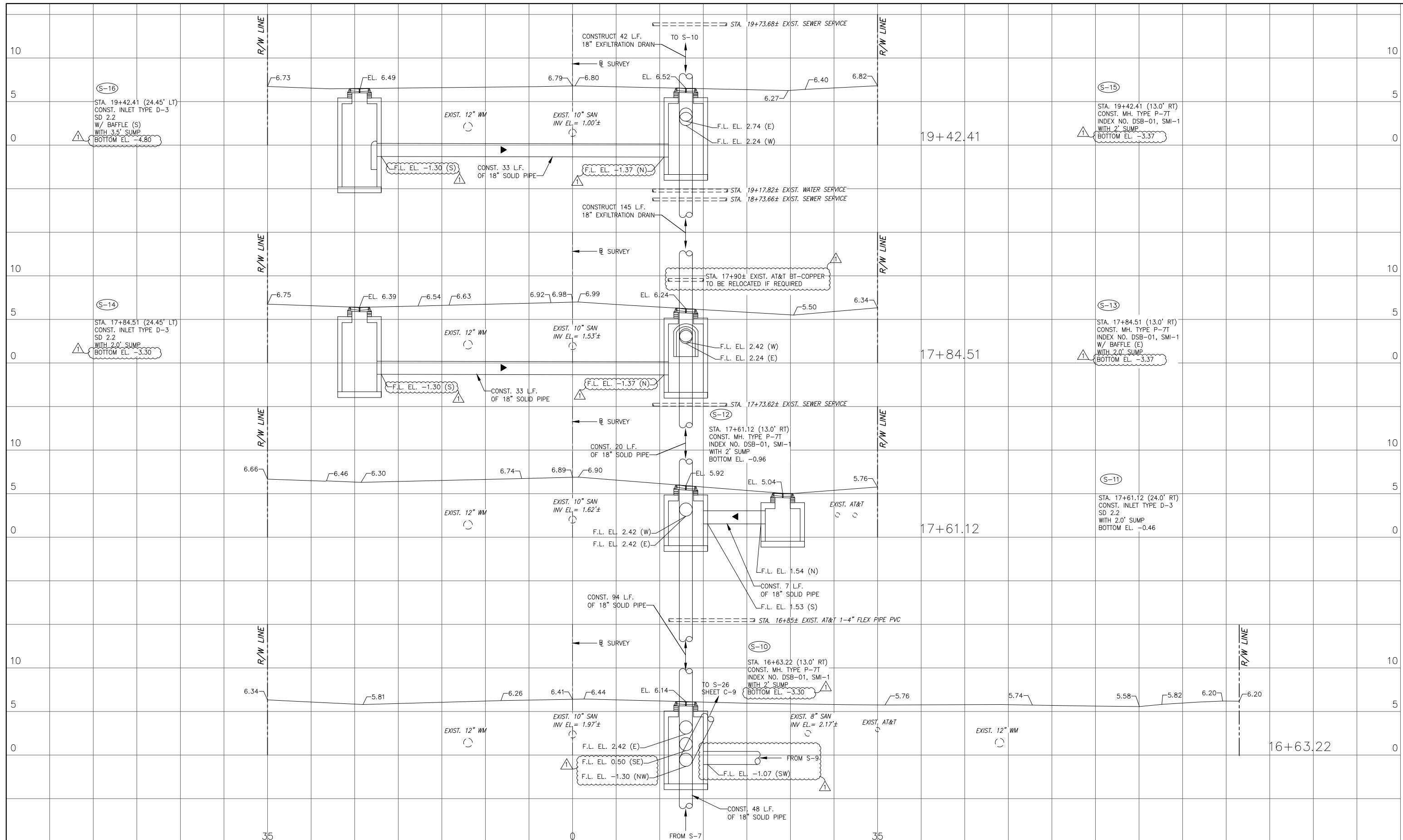


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 NW 105th WAY DRAINAGE IMPROVEMENTS

DRAINAGE STRUCTURE

SCALE:
 AS SHOWN
 PROJECT NO.: 1704
 DWG. NO.: 1704-C6_C9
 SHEET: C-6

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1	11/10/17	Y.P.	SOFT DIG INFO
REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: Y.P.
 DRAWN BY: Y.P.
 CHECKED BY: J.C.F.
 DATE: 07/2017

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CONSULTING ENGINEERS

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EB-0007317

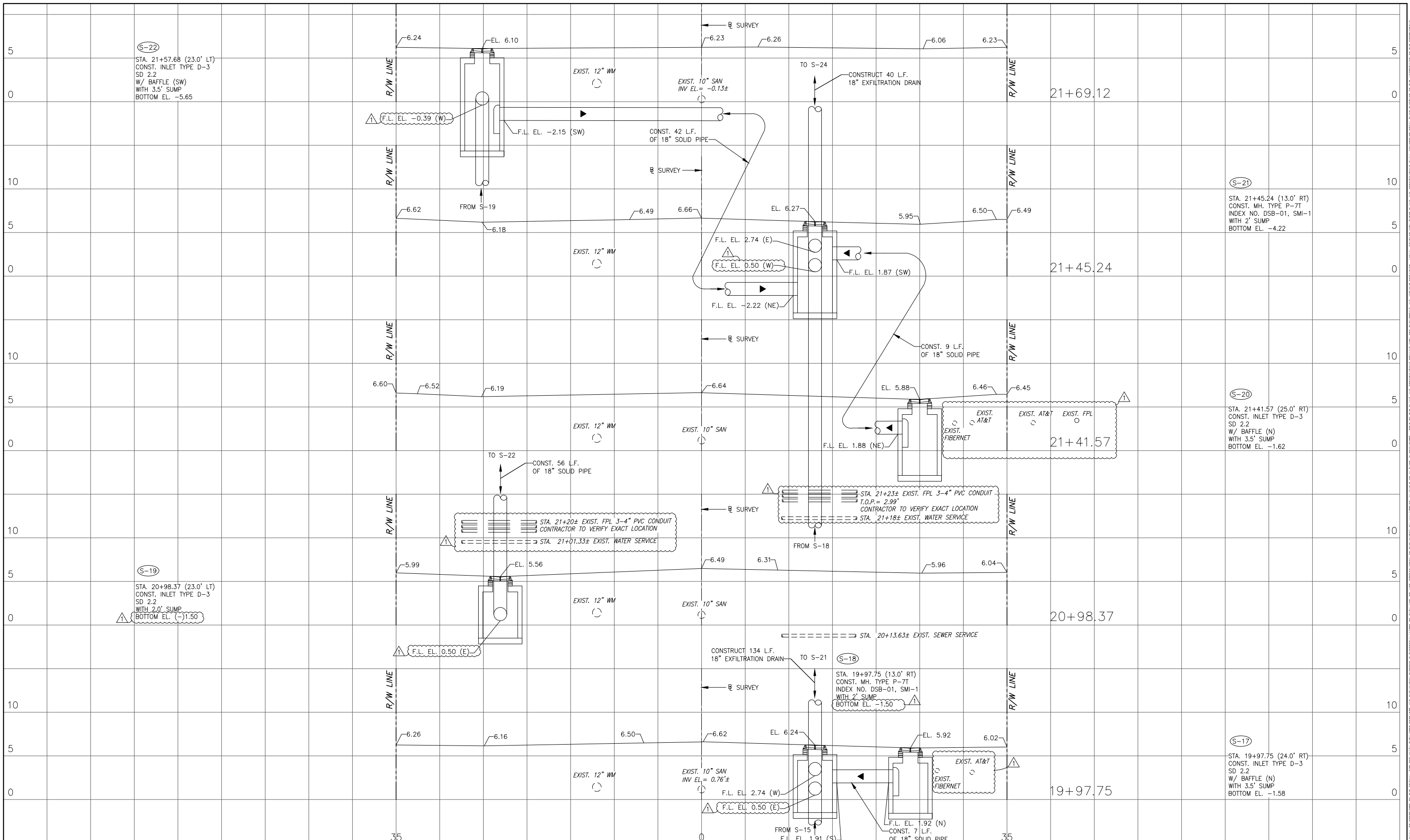


TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 NW 105th WAY DRAINAGE IMPROVEMENTS

DRAINAGE STRUCTURE

SCALE:
AS SHOWN
 PROJECT NO.:
1704
 DWG. NO.:
1704-C6_C9
 SHEET:
C-7

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REV.	DATE	BY:	DESCRIPTION

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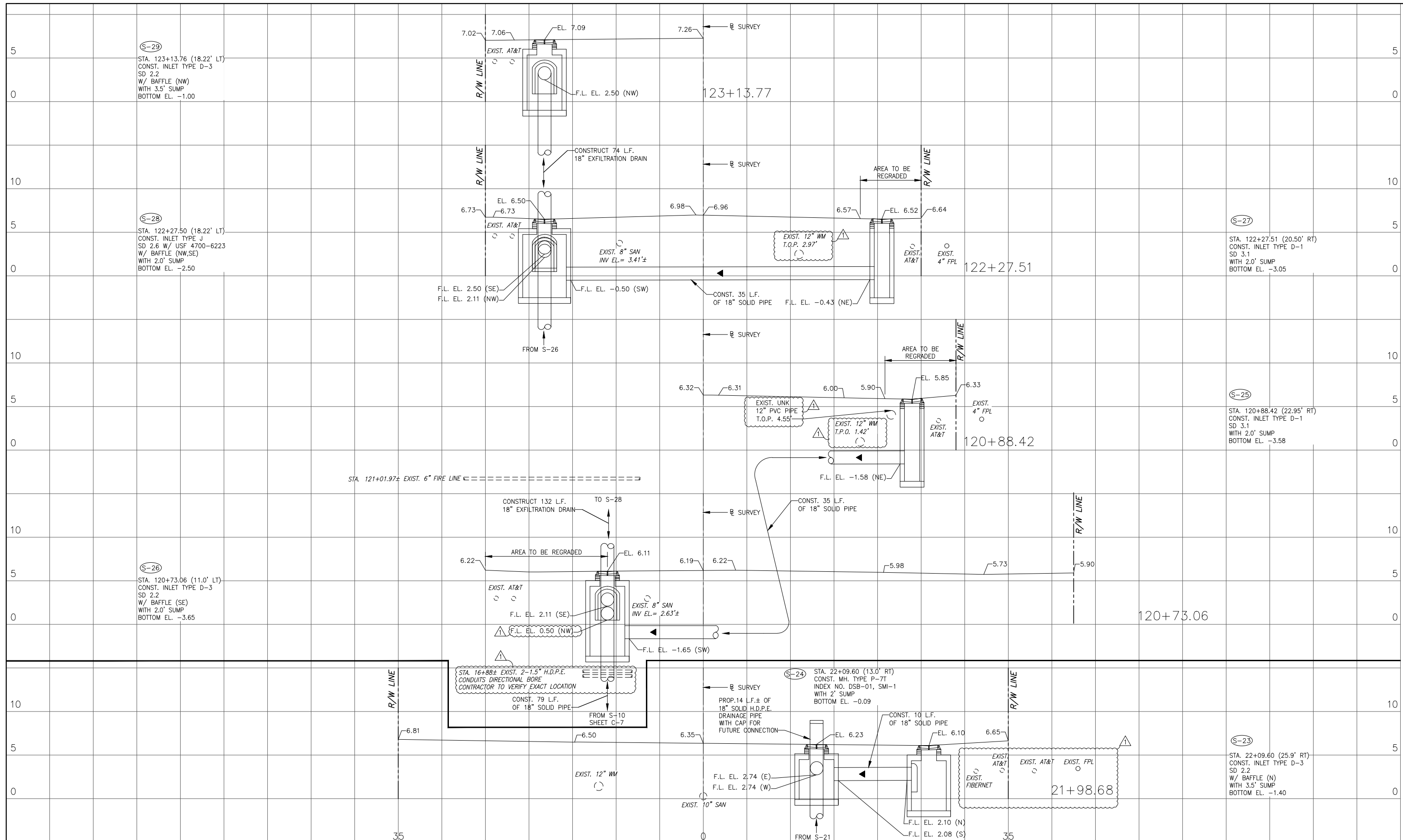


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
NW 105th WAY DRAINAGE IMPROVEMENTS

DRAINAGE STRUCTURE

SCALE:	AS SHOWN
PROJECT NO.:	1704
DWG. NO.:	1704-C6_C9
SHEET:	C-8

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1	11/10/17	Y.P.	SOFT DIG INFO
REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: Y.P.
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 CHECKED BY: J.C.F.
 DATE: 07/2017

SEAL:

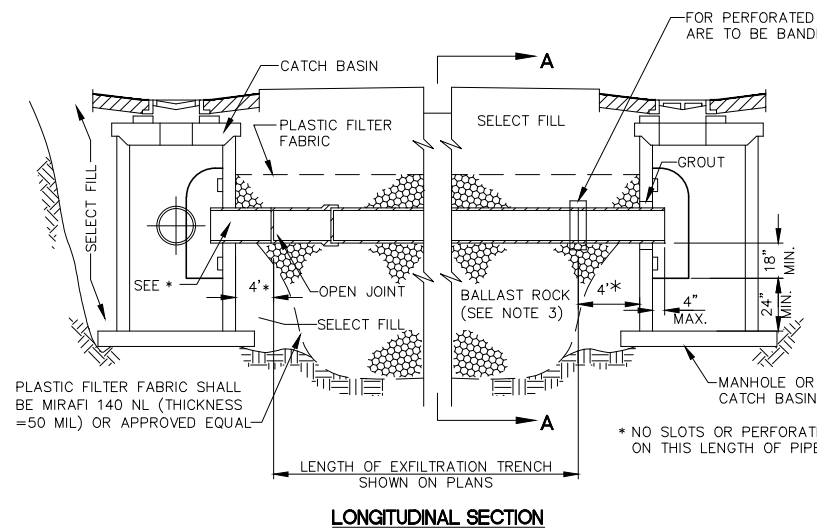
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TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 NW 105th WAY DRAINAGE IMPROVEMENTS

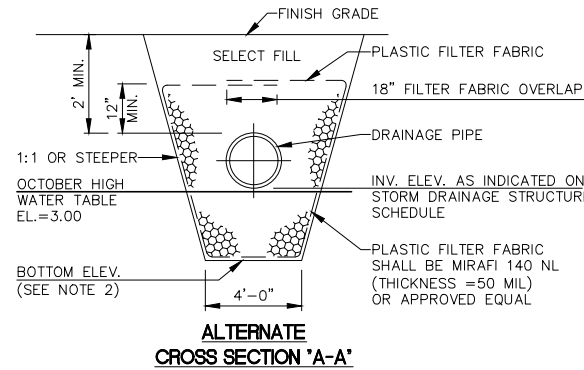
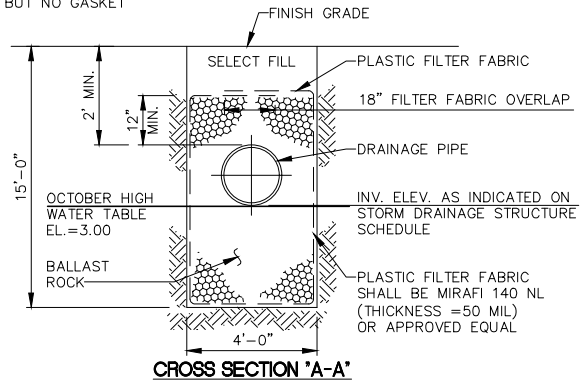
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 DWG. NO.:
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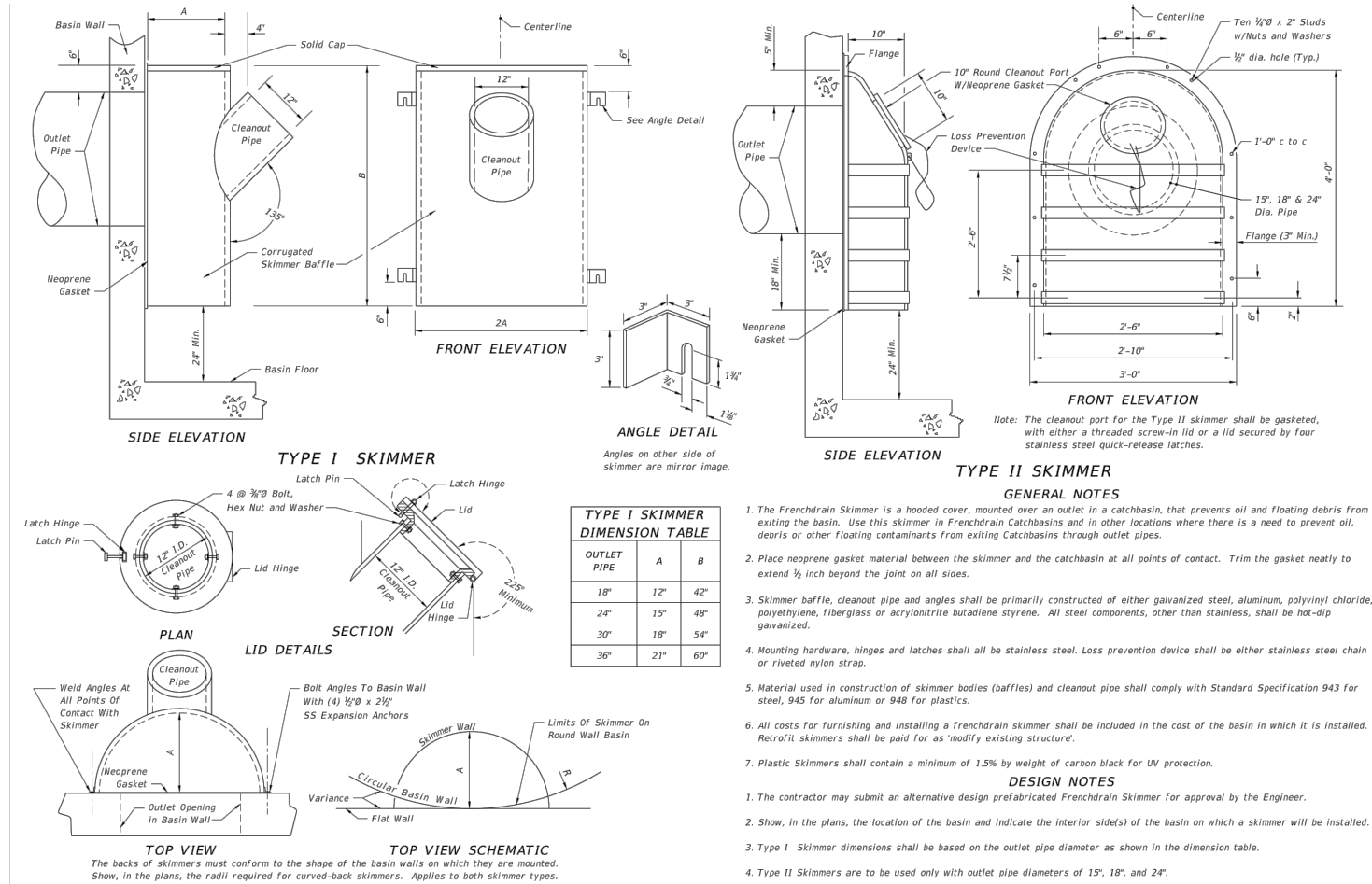


- NOTES:**
1. PLASTIC FILTER FABRIC (AT EACH SIDE TOP AND BOTTOM) SHALL BE USED IN SANDY AREAS AS NOTED ON PLANS AND/OR AS DIRECTED BY THE ENGINEER.
 2. THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE 15'-0" BELOW EXISTING GROUND ELEVATION, UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
 3. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION, SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.

EXFILTRATION TRENCH DETAIL
N.T.S.



MAY BE USED IN AREAS WHERE TRENCH WALLS WILL NOT STAND VERTICAL, OR WHERE CAVE IN BELOW THE WATER TABLE IS LIKELY TO OCCUR TO BE USED AT THE ENGINEER'S DISCRETION

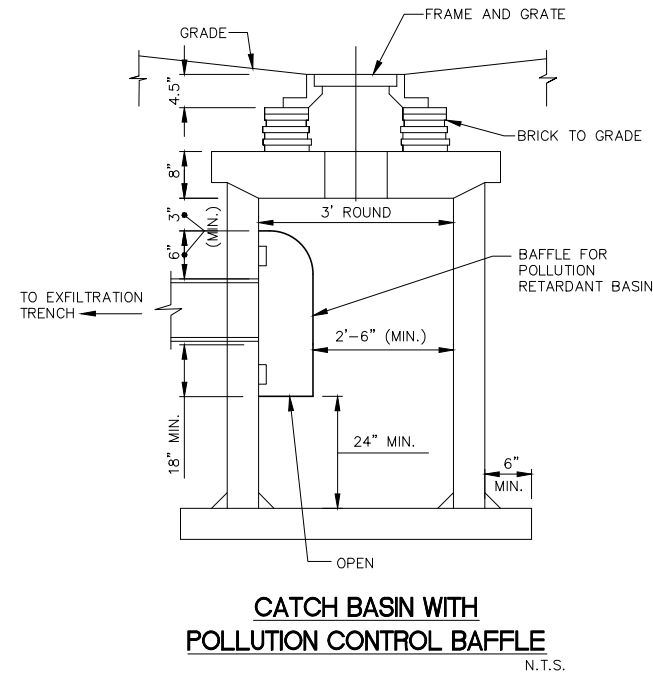


TYPE I SKIMMER DIMENSION TABLE

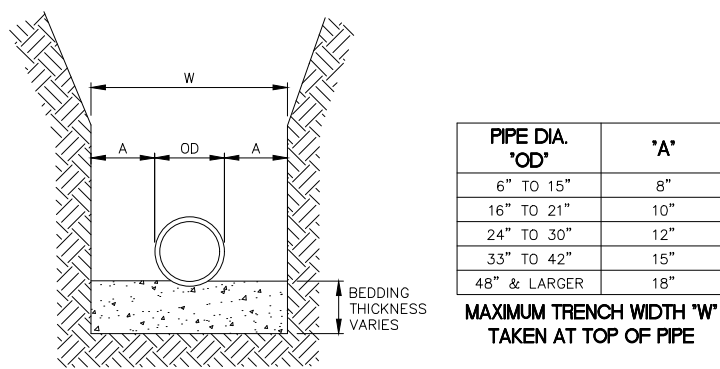
OUTLET PIPE	A	B
18"	12"	42"
24"	15"	48"
30"	18"	54"
36"	21"	60"

- GENERAL NOTES**
1. The Frenchdrain Skimmer is a hooded cover, mounted over an outlet in a catchbasin, that prevents oil and floating debris from exiting the basin. Use this skimmer in Frenchdrain Catchbasins and in other locations where there is a need to prevent oil, debris or other floating contaminants from exiting Catchbasins through outlet pipes.
 2. Place neoprene gasket material between the skimmer and the catchbasin at all points of contact. Trim the gasket neatly to extend 1/2 inch beyond the joint on all sides.
 3. Skimmer baffle, cleanout pipe and angles shall be primarily constructed of either galvanized steel, aluminum, polyvinyl chloride, polyethylene, fiberglass or acrylonitrile butadiene styrene. All steel components, other than stainless, shall be hot-dip galvanized.
 4. Mounting hardware, hinges and latches shall all be stainless steel. Loss prevention device shall be either stainless steel chain or riveted nylon strap.
 5. Material used in construction of skimmer bodies (baffles) and cleanout pipe shall comply with Standard Specification 943 for steel, 945 for aluminum or 948 for plastics.
 6. All costs for furnishing and installing a Frenchdrain skimmer shall be included in the cost of the basin in which it is installed. Retrofit skimmers shall be paid for as "modify existing structure".
 7. Plastic skimmers shall contain a minimum of 1.5% by weight of carbon black for UV protection.
- DESIGN NOTES**
1. The contractor may submit an alternative design prefabricated Frenchdrain Skimmer for approval by the Engineer.
 2. Show, in the plans, the location of the basin and indicate the interior side(s) of the basin on which a skimmer will be installed.
 3. Type I Skimmer dimensions shall be based on the outlet pipe diameter as shown in the dimension table.
 4. Type II Skimmers are to be used only with outlet pipe diameters of 15", 18", and 24".

DETAIL REFERS TO FDOT STD 241
N.T.S.



CATCH BASIN WITH POLLUTION CONTROL BAFFLE
N.T.S.

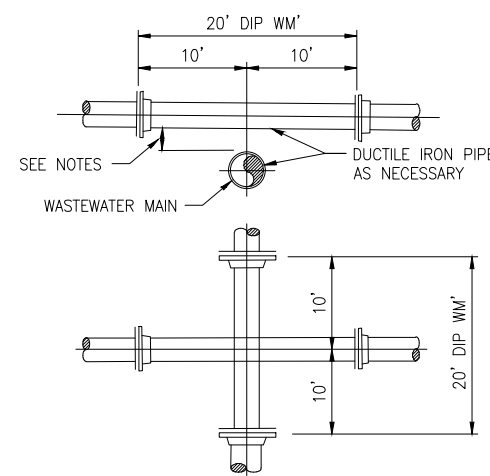


PIPE DIA. 'OD'	'A'
6" TO 15"	8"
16" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

MAXIMUM TRENCH WIDTH 'W' TAKEN AT TOP OF PIPE

NOTE:
BEDDING MATERIAL SHALL CONSIST OF SELECT BACKFILL MATERIAL 2" MAX. SIZE, OR WASHED AND GRADED LIMEROCK (3/8"-7/8"), COMPACTED TO AT LEAST 90% OF MAX. DENSITY, 6" LIFTS PER ASSHTO SPEC. NO. T-180.

TRENCH CROSS SECTION FOR DRAINAGE PIPE
N.T.S.



UTILITY CROSSING
N.T.S.

- NOTES:**
1. STORM SEWER, GRAVITY WASTEWATER AND RECLAIMED WATER MAIN CROSSING UNDER POTABLE WATER MAINS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF TWELVE (12) INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE. WHERE THIS MINIMUM SEPARATION CANNOT BE MAINTAINED, THE CROSSING SHALL BE ARRANGED SO THAT THE STORM/WASTEWATER/RECLAIMED WATER PIPE JOINTS AND POTABLE WATER MAIN JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING WITH NO LESS THAN TEN (10) FEET BETWEEN ANY TWO JOINTS, BOTH PIPES SHALL BE D.I.P., AND THE MINIMUM VERTICAL SEPARATION SHALL BE 6 INCHES. WHERE THERE IS NO ALTERNATIVE TO STORM/WASTEWATER/RECLAIMED WATER PIPES CROSSING OVER A POTABLE WATER MAIN, THE CRITERIA FOR MINIMUM 12" VERTICAL SEPARATION BETWEEN LINES AND JOINT ARRANGEMENT, AS STATED ABOVE, SHALL BE REQUIRED, AND BOTH PIPES SHALL BE D.I.P. IRRESPECTIVE OF SEPARATION. D.I.P. IS NOT REQUIRED FOR STORM SEWERS.
 2. WHENEVER POSSIBLE MAINTAIN MIN. TEN (10) FEET HORIZONTAL DISTANCE (WALL TO WALL) BETWEEN POTABLE WATER MAIN AND STORM SEWER, WASTEWATER MAIN, OR FORCE MAIN (A MIN. 6' SEPARATION MAY BE APPROVED ON A CASE BY CASE BASIS). MAINTAIN MIN. THREE (3) FEET HORIZONTAL DISTANCE (WALL TO WALL) BETWEEN RECLAIMED WATER MAIN AND POTABLE WATER MAIN, STORM SEWER, WASTEWATER GRAVITY MAIN OR FORCE MAIN.
 3. WASTEWATER MAINS, WATER MAINS, STORM PIPES AND OTHER UTILITY PIPES SHALL CROSS PERPENDICULAR WHENEVER POSSIBLE.

DESIGNED BY:	Y.P.	SEAL:	
DRAWN BY:	Y.P.		
CHECKED BY:	J.C.F.		
DATE:	07/2017		
REV.	DATE	BY:	DESCRIPTION

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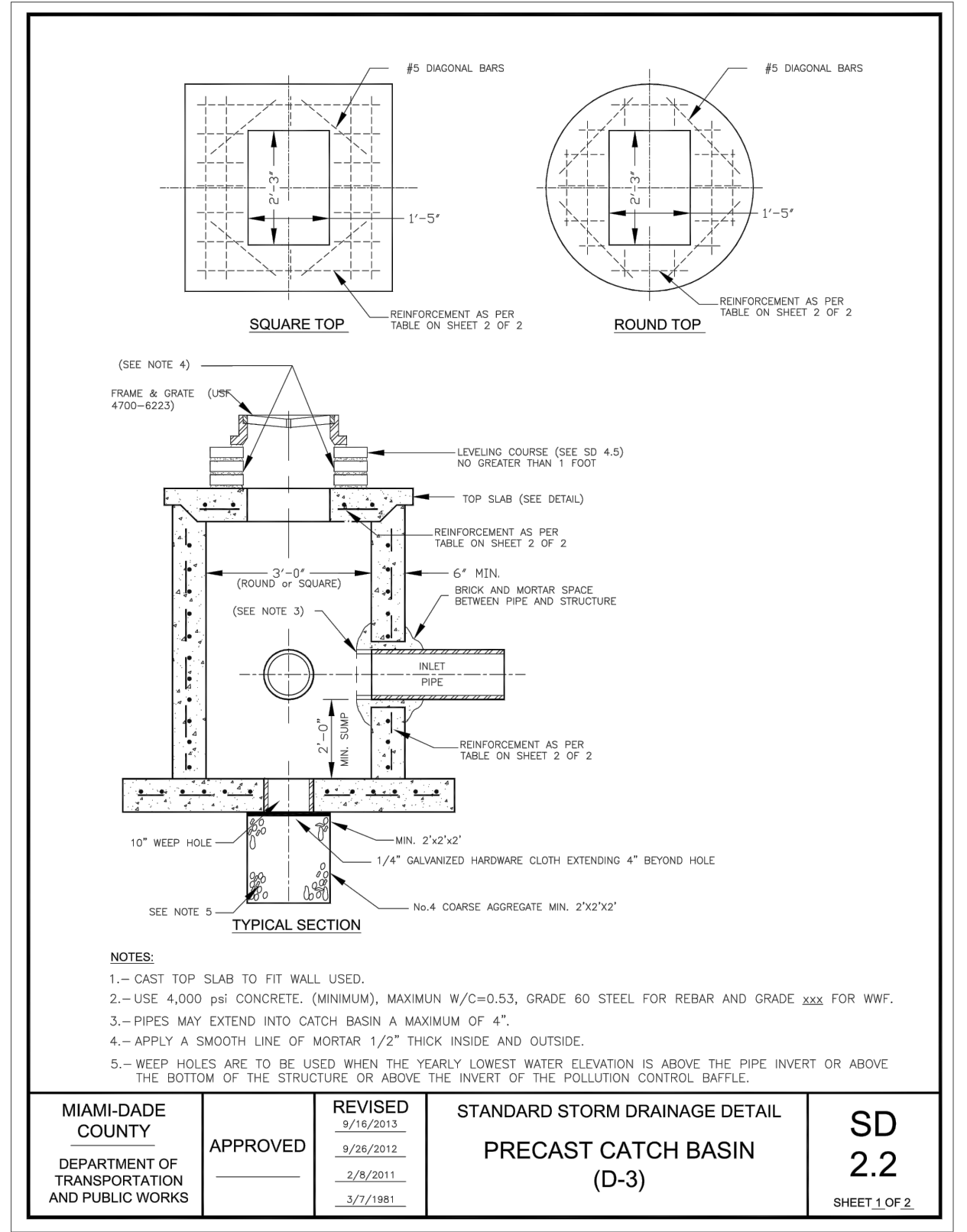
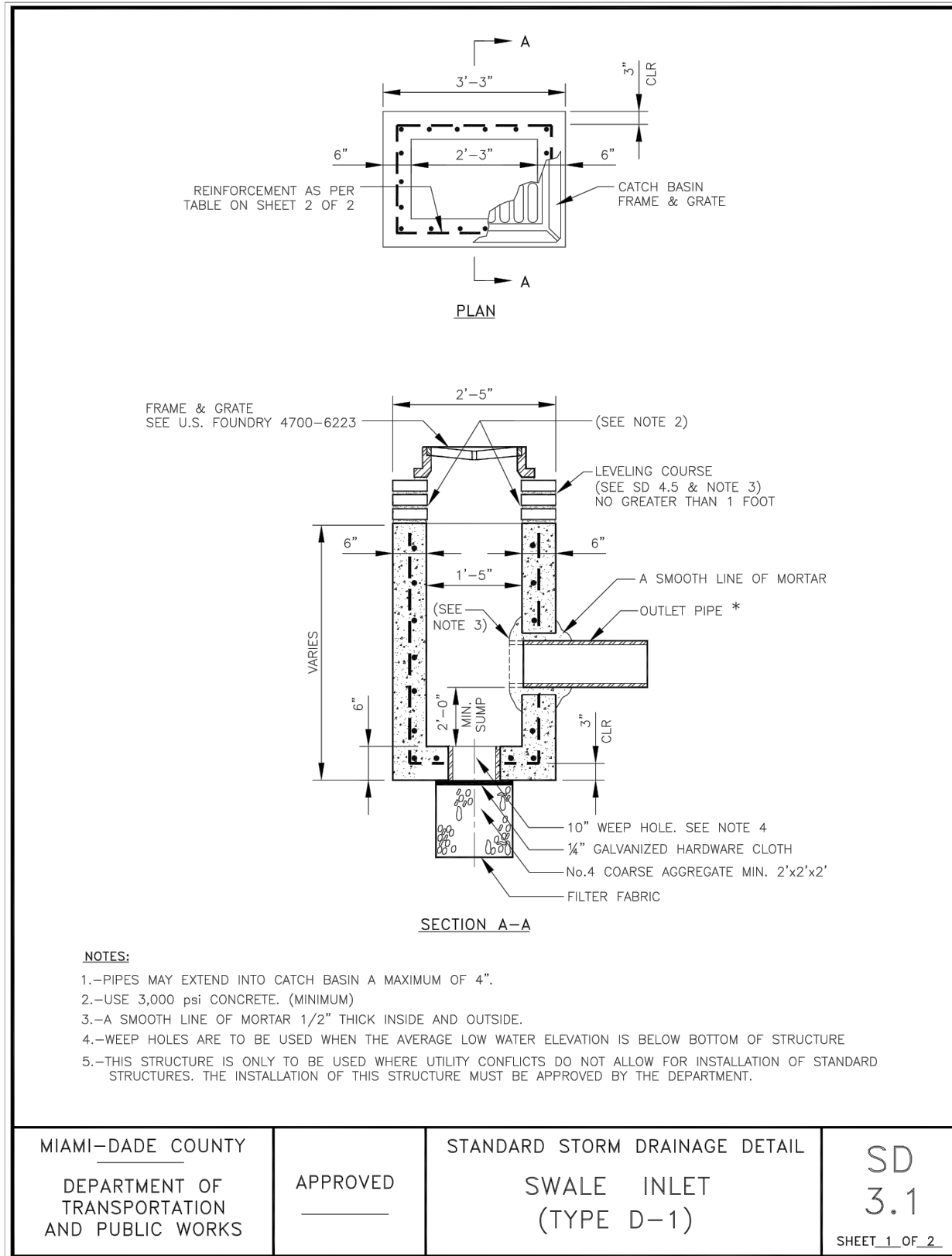


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
NW 105th WAY DRAINAGE IMPROVEMENTS

DRAINAGE DETAILS

SCALE:	AS SHOWN
PROJECT NO.:	1704
DWG. NO.:	1704-C10_C11
SHEET:	C-10

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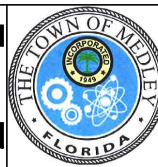


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CHECKED BY:	J.C.F.		
DATE:	07/2017		
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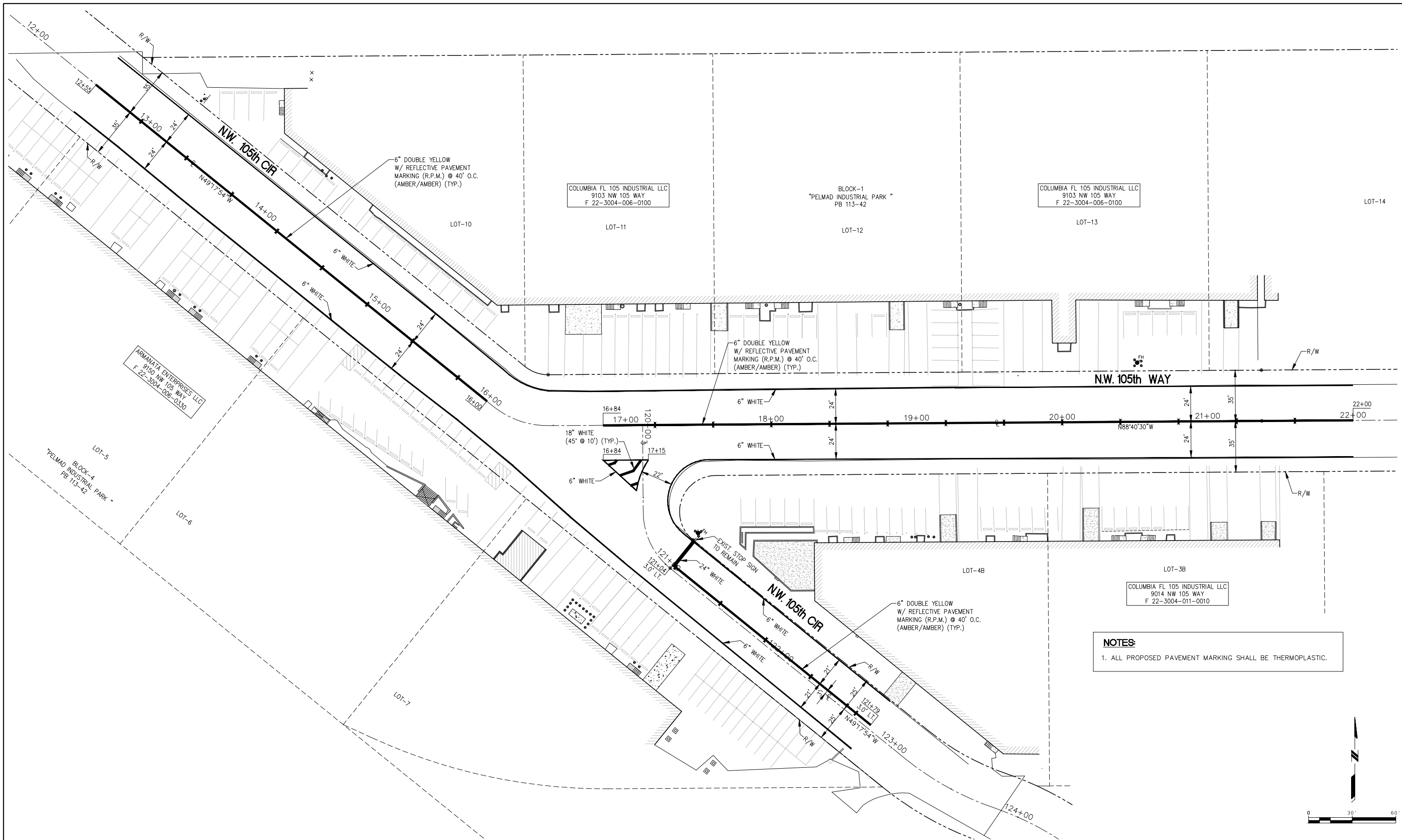


TOWN OF MEDLEY
DEPARTMENT OF ENGINEERING
NW 105th WAY DRAINAGE IMPROVEMENTS

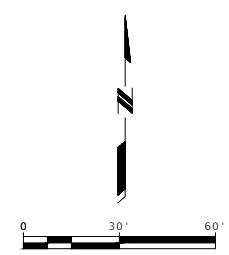
DRAINAGE DETAILS

SCALE:	AS SHOWN
PROJECT NO.:	1704
DWG. NO.:	1704-C10_C11
SHEET:	C-11

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NOTES:
 1. ALL PROPOSED PAVEMENT MARKING SHALL BE THERMOPLASTIC.



REV.	DATE	BY:	DESCRIPTION

DESIGNED BY: Y.P.
 DRAWN BY: Y.P.
 CHECKED BY: J.C.F.
 DATE: 07/2017

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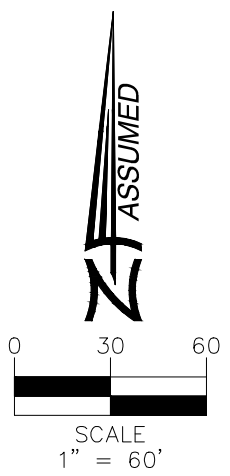
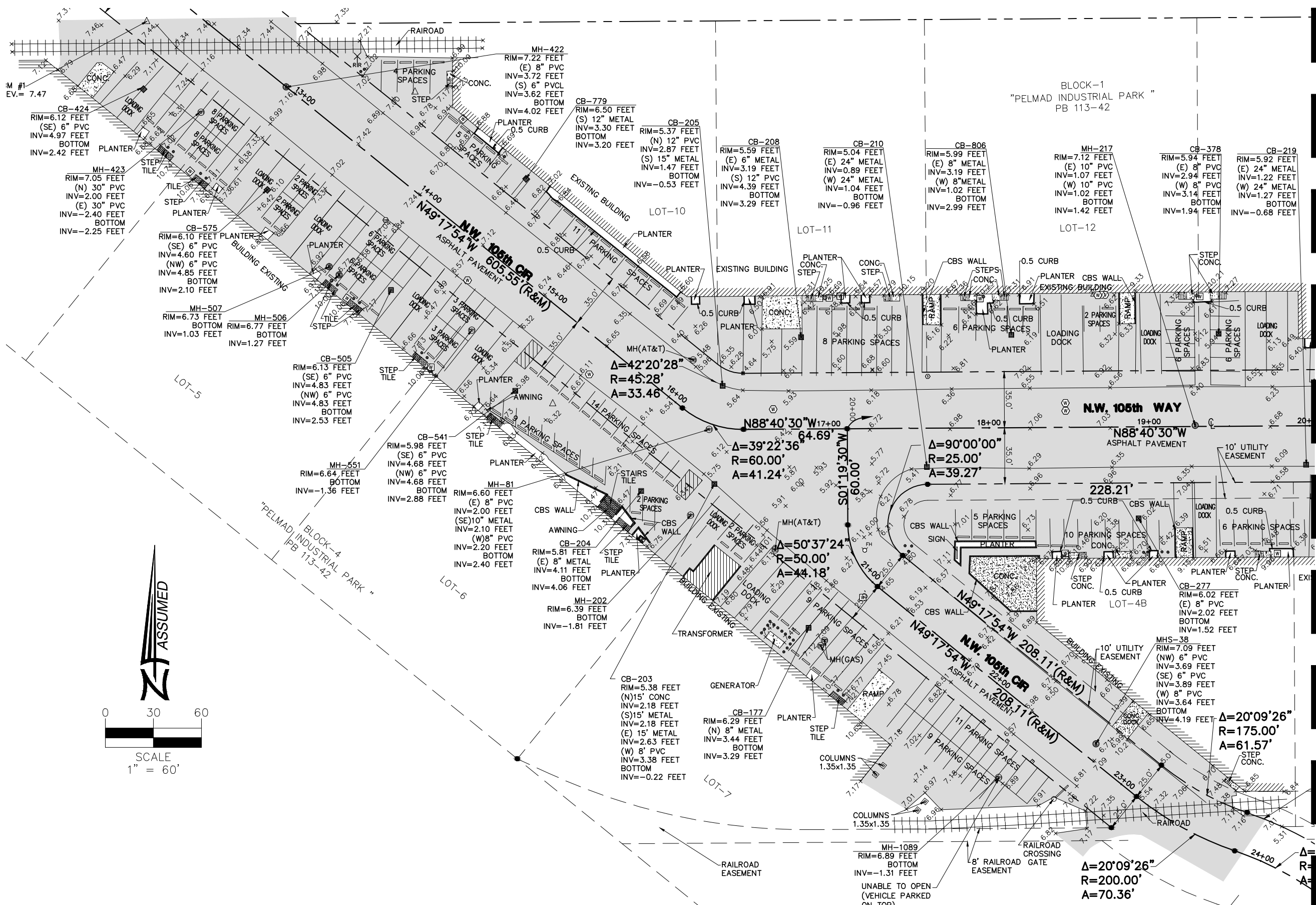
TOWN OF MEDLEY
 DEPARTMENT OF ENGINEERING
 NW 105th WAY DRAINAGE IMPROVEMENTS

**PAVEMENT MARKING
 AND SIGNAGE PLAN**

SCALE:
 AS SHOWN
 PROJECT NO.:
 1704
 DWG. NO.:
 1704-C12
 SHEET:
C-12

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FOR CONTINUATION SEE PAGE 3



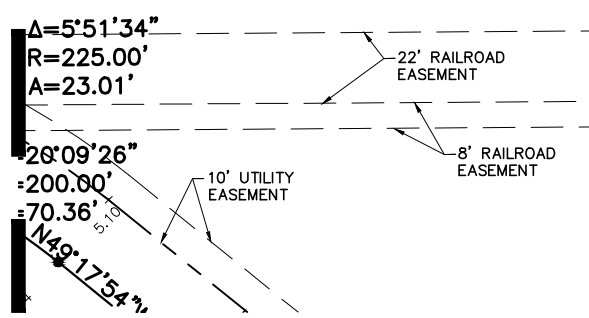
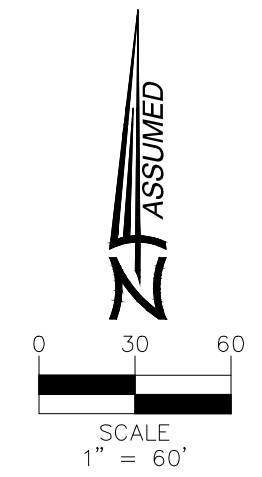
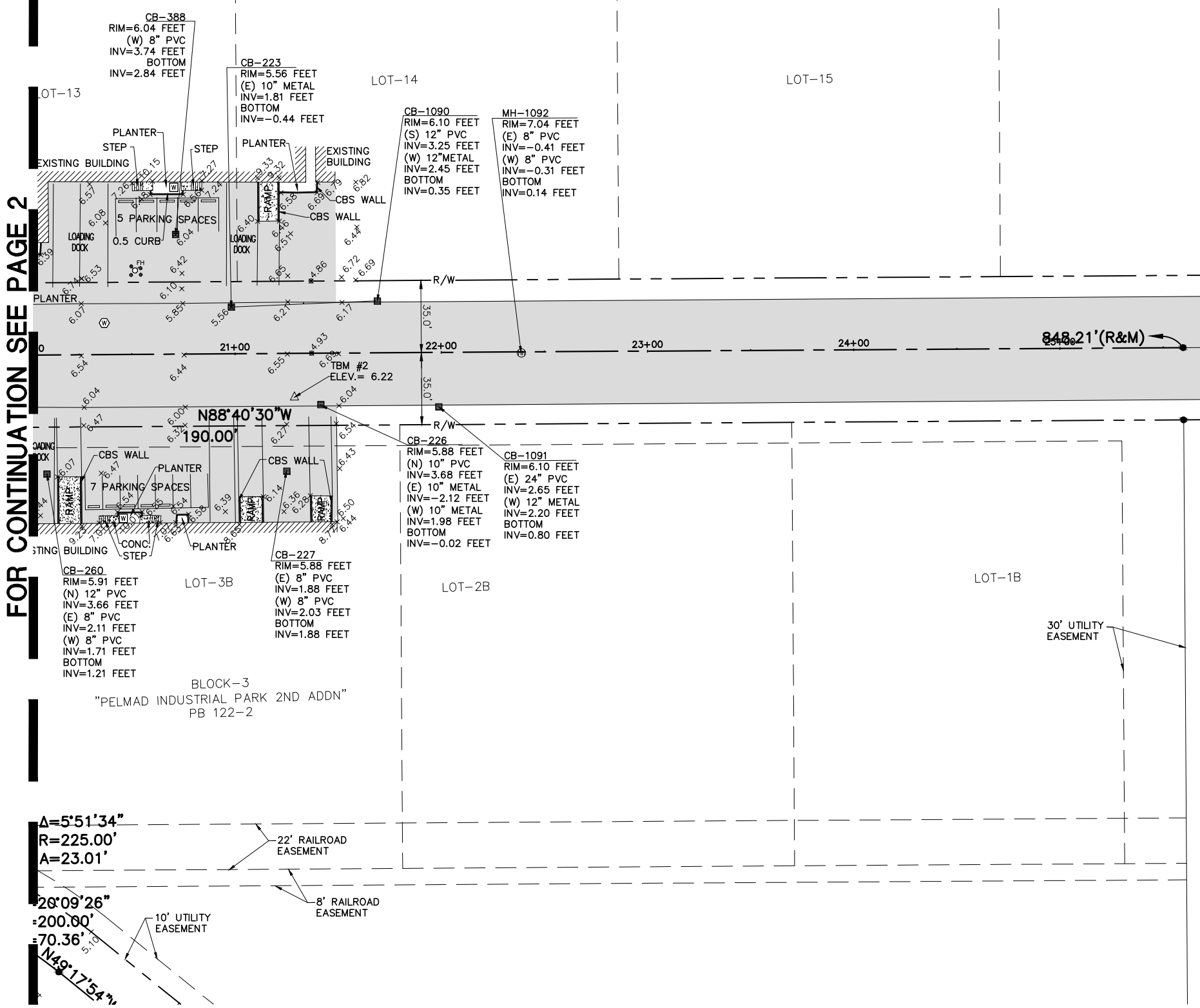
REVISIONS	
1.	6.
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4.	9.
5.	10.


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TOPOGRAPHIC SURVEY
 for
SRS ENGINEERING
 of
NW 105 WAY & NW 105 CIRCLE, MEDLEY

Job No.:	17022
Field Book:	FILE
DRAWN BY:	BG
TECH BY:	RI
QA/QC BY:	QA
	2/3

FOR CONTINUATION SEE PAGE 2



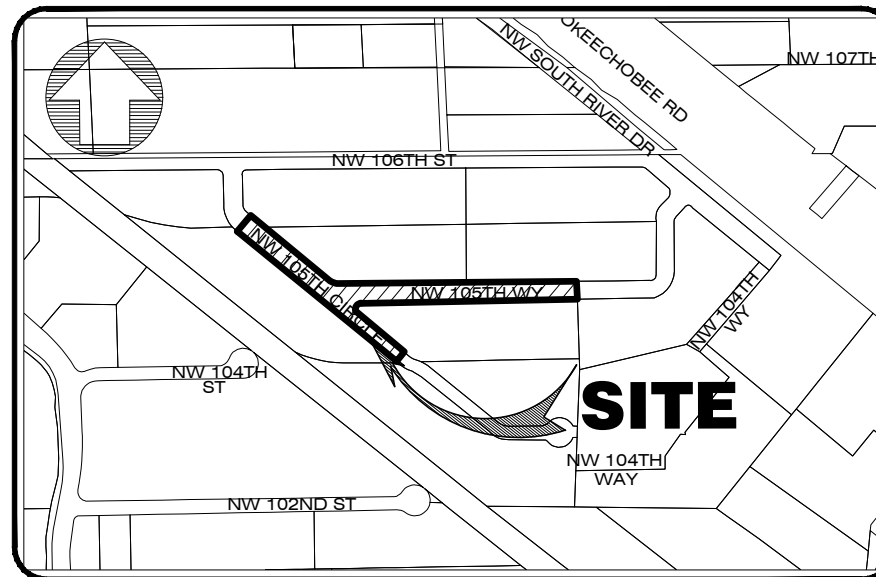
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NW 105 WAY & NW 105 CIRCLE

Job No.:	17022
Field Book:	FILE
DRAWN BY:	BG
TECH BY:	RI
QA/QC BY:	QA
	3/3

SECTION 04 - TOWNSHIP 53 SOUTH - RANGE 40 EAST



LOCATION MAP
NOT TO SCALE

SURVEYOR'S NOTES:

SECTION 1) DATE OF FIELD SURVEY:

1. The date of completion of the field work of the Specific Purpose Survey was on October 30, 2017.

SECTION 2) LEGAL DESCRIPTION:

A portion of the Intersection of NW 105 Way & NW 105 Circle, according to the plat thereof, as recorded in Plat Book 113-42 & Plat Book 122-2, of the Public Records of Miami-Dade County Florida.

SECTION 3) ACCURACY:

The accuracy obtained by field measurement methods and office calculations of closed geometric figures meets and exceeds the Standards of Practice requirement for this Type of Survey as defined in Rule 5J-17.051, Florida Administrative Code.

Elevations of well identified features as depicted on the Survey Map were measured to an estimated vertical position accuracy of 1/100 of a foot on hard surfaces and 1/10 of a foot on ground surfaces.

Well identified features as depicted on the Survey Map were measured to an estimated horizontal position accuracy of 1/10 of a foot.

This Map of Survey is intended to be displayed at a scale of (1"=60') or smaller.

SECTION 4) SOURCES OF DATA:

Bearings as shown hereon are based upon the Southerly Boundary Line with an assumed bearing of S88°40'30"E, said line to be considered a well established and monumented line.

This property is to be located in Flood Zone "X", as per Federal Emergency Management Agency (FEMA) Community Number 120649 (Town of Medley), Map Panel No. 12086C276, Suffix L, Map Revised Date: September 11, 2009.

Elevations as shown hereon are based on the National Geodetic Vertical Datum of 1929, as per Florida Department Of Transportation Benchmark Number 87-91C29, Elevation 7.95 feet.

SECTION 5) LIMITATIONS:

Since no other information were furnished other than what is cited in the Sources of Data, the Client is hereby advised that there may be legal restrictions on the Subject Property that are not shown on the Survey Map that may be found in the Public Records of Miami-Dade County.

The Surveyor makes no representation as to ownership or possession of the Subject Property by any entity or individual who may appear of public records of this County.

No excavation or determination was made as to how the Subject Property is served by utilities.

No improvements were located, other than those shown. No underground foundations, improvements and/or utilities were located or shown hereon.

SECTION 6) CLIENT INFORMATION:

This Specific Purpose Survey was prepared at the request of and certified to:

SRS ENGINEERING INC.

SECTION 7) SURVEYOR'S CERTIFICATE:

I hereby certify: That this "Specific Purpose Survey" and the Survey Map resulting therefrom was performed under my direction and is true and correct to the best of my knowledge and belief and further, that said "Specific Purpose Survey" meets the intent of the applicable provisions of the "Standards of Practice for Land Surveying in the State of Florida", pursuant to Rule 5J-17.051 through 5J-17.052 of the Florida Administrative Code and its implementing law, Chapter 472.027 of the Florida Statutes.

HADONNE CORP., a Florida Corporation
Florida Certificate of Authorization Number LB7097

By: _____
Abraham Hadad, PSM
For the Firm
Registered Surveyor and Mapper LS6006
State of Florida

NOTICE: Not valid without the signature and original raised seal of a Florida Licensed Surveyor and Mapper. Additions or deletions to Survey Maps by other than the signing party are prohibited without the written consent of the signing party.

LEGEND:					
BLDG.	= BUILDING	P.G.	= PAGE	---	= RIGHT OF WAY LINE
C.B.S.	= CONCRETE BLOCK STRUCTURE	R	= PROPERTY LINE	---	= PROPERTY LINE
CL	= CENTER LINE	N.T.S.	= NOT TO SCALE	- - - - -	= EASEMENT LINE
CONC.	= CONCRETE	E	= ELEVATION	—○—	= IRON FENCE
P.C.	= POINT OF CURVATURE	BL	= BLOCK	—X—	= CHAIN LINK FENCE
F.N.D.	= FOUND NAIL/DISK	M	= MONUMENT LINE	—X—	= OVERHEAD UTILITY LINE
P.C.C.	= POINT OF COMPOUND CURVE	LP	= LIGHT POLE	—X—	
B	= BASELINE	CP	= CONCRETE POWER POLE		
N.G.V.D.	= NATIONAL GEODETIC VERTICAL DATUM	F.F.E.	= FINISH FLOOR ELEVATION	[Pattern]	= BRICK
INV. EL.	= INVERT ELEVATION	S.I.R.	= SET IRON REBAR	[Pattern]	= CONCRETE
P.B.	= PLAT BOOK	F.N.	= FOUND NAIL	[Pattern]	= GRAVEL
P.C.P.	= PERMANENT CONTROL POINT	F.I.R.	= FOUND IRON REBAR	[Pattern]	= TILE
B/C	= BLOCK CORNER	(M)	= MEASURED VALUE	[Pattern]	= PAVEMENT
RES.	= RESIDENCE	(R)	= RECORD VALUE	[Pattern]	= CBS WALL
R/W	= RIGHT OF WAY				
SEC.	= SECTION				
S.I.P.	= SET IRON PIPE				
SWK	= SIDEWALK				

REVISIONS

1.	6.
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5.	10.



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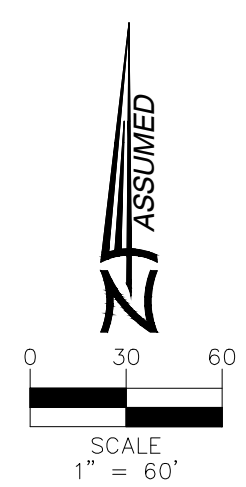
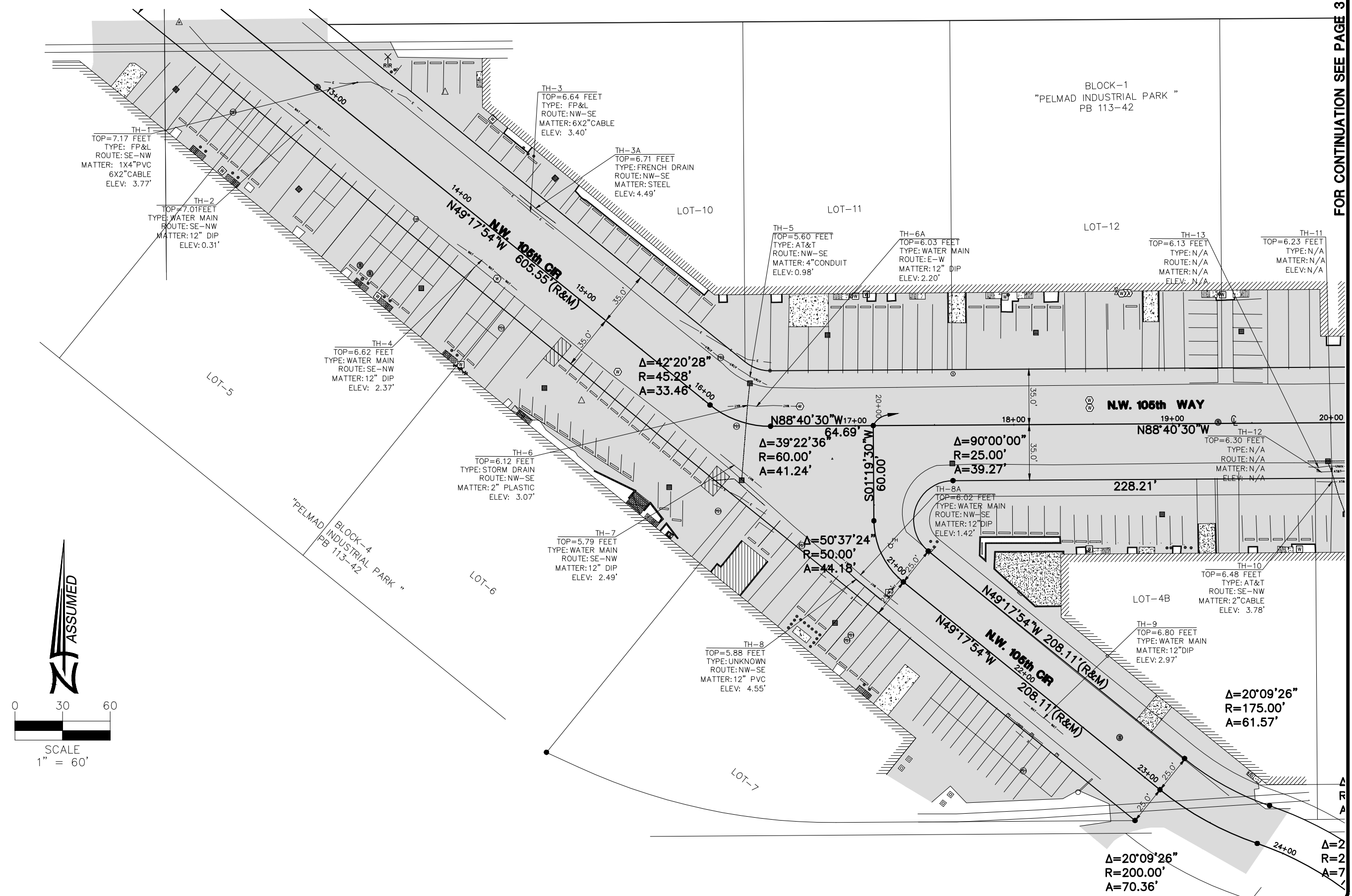
LAND SURVEYOR AND MAPPERS
3D LASER SCANNING
UTILITY COORDINATION
SUBSURFACE UTILITY ENGINEERING

UTILITY SOFT DIGS

for
SRS ENGINEERING
of

NW 105 WAY & NW 105 CIRCLE, MEDLEY,

Job No.: 17022
Field Book: FILE
DRAWN BY: BG
TECH BY: RI
QA/QC BY: QA
1/3



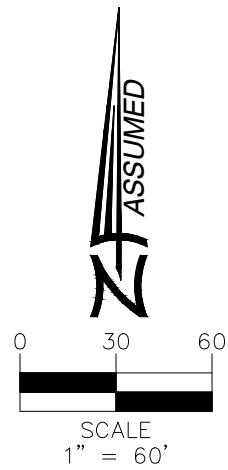
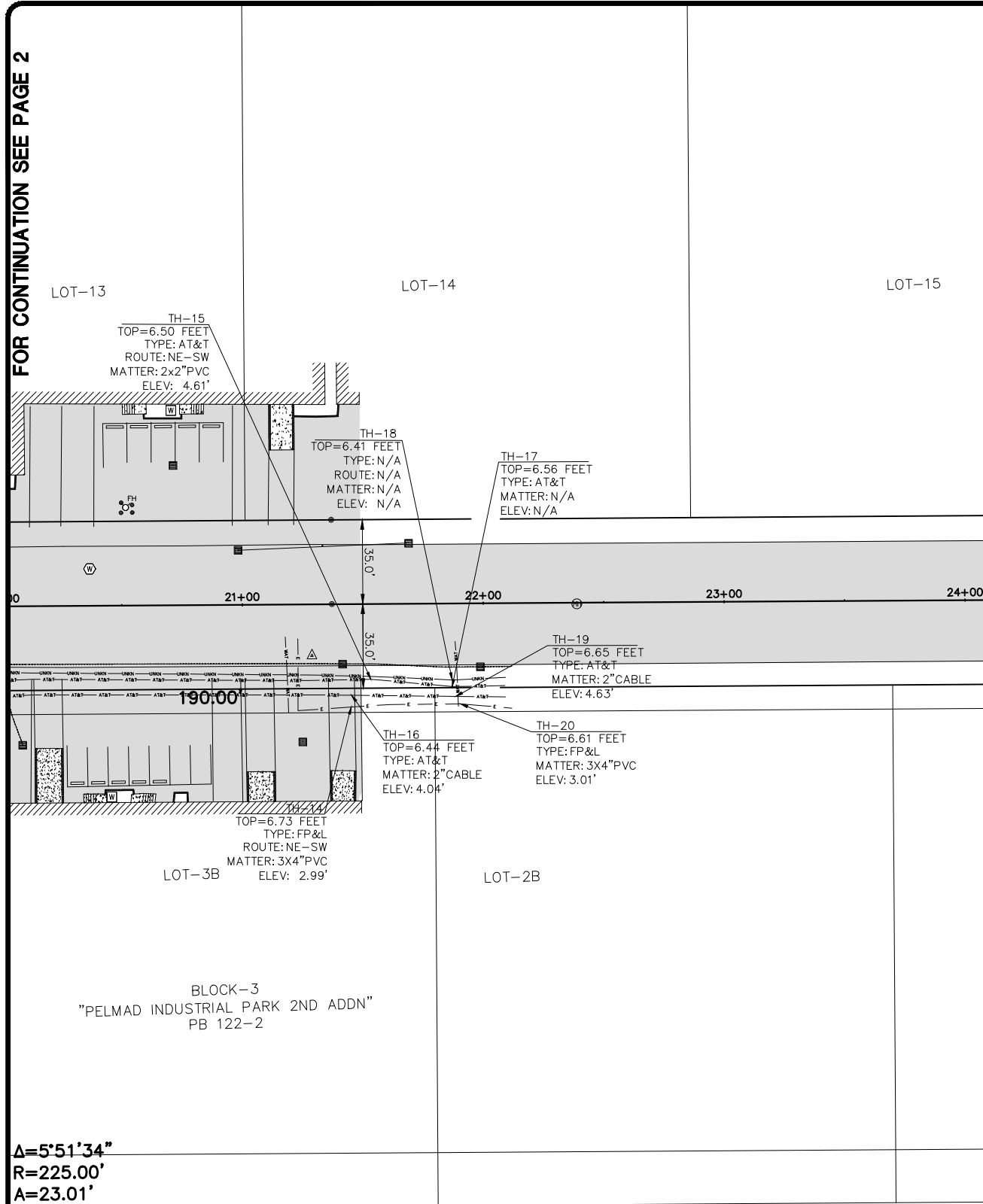
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5.	10.

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 LAND SURVEYOR AND MAPPERS
 3D LASER SCANNING
 UTILITY COORDINATION
 SUBSURFACE UTILITY ENGINEERING
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UTILITY SOFT DIGS
 for
SRS ENGINEERING
 of
NW 105 WAY & NW 105 CIRCLE, MEDLEY

Job No.:	17022
Field Book:	FILE
DRAWN BY:	BG
TECH BY:	RI
QA/QC BY:	QA
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FOR CONTINUATION SEE PAGE 2



TESTHOLE#	TYPE	SIZE	DEPTH	ELEV.	COMMENTS
1	FPL	1X4" PVC	3.40'	3.77'	
		6X2" CABLE	3.40'	3.77'	
2	WATER MAIN	12" DIP	4.25'	0.31'	
3	FPL	6X2" CABLE	3.24'	3.40'	
3A	FRENCH DRAIN	STEEL	2.22'	4.49'	
4	WATER MAIN	12" DIP	4.25'	2.37'	
5	AT&T	4" CONDUIT	4.62'	0.98'	
6	STORM DRAIN	2" PLASTIC	3.05'	3.07'	
6A	WATER MAIN	12" DIP	3.83'	2.20'	
7	WATER MAIN	12" DIP	3.30'	2.49'	
8	UNKNOWN	12" PVC	1.33'	4.55'	
8A	WATER MAIN	12" DIP	4.60'	1.42'	
9	WATER MAIN	12" DIP	3.83'	2.97'	
10	AT&T	2" CABLE	2.73'	3.78'	
11	N/A	N/A	N/A/	N/A	NOTHING FND, FRENCH DRAIN, TOO MUCH WATER
12	N/A	N/A	N/A/	N/A	COULD NOT REACH, GND WATER+RUNNING SAND
13	N/A	N/A	N/A/	N/A	COULD NOT REACH, GND WATER+RUNNING SAND
14	FPL	3X4" PVC	3.74'	2.99'	
15	AT&T	2X2" POLY	1.89'	4.61'	
16	AT&T	2" CABLE	2.40'	4.04'	
17	N/A	N/A	N/A	N/A	COULD NOT REACH, GND WATER+ROCK
18	N/A	N/A	N	N/A	
19	AT&T	2" CABLE	2.02'	4.63'	
20	FPL	3X4" PVC	3.60'	3.01'	

Δ=5°51'34"
R=225.00'
A=23.01'

20°09'26"
200.00'
70.36'
N49°17'54" W

REVISIONS

1.	6.
2.	7.
3.	8.
4.	9.
5.	10.



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