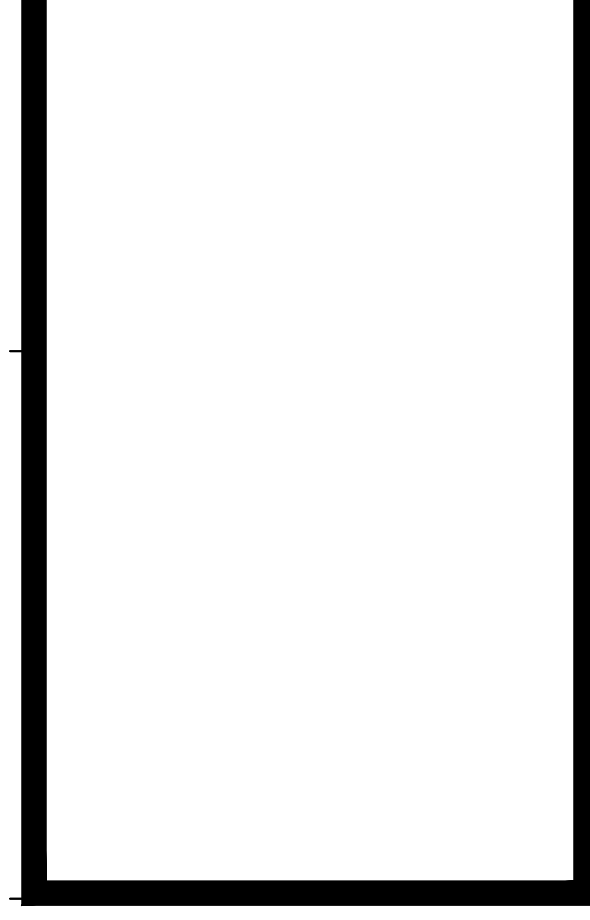
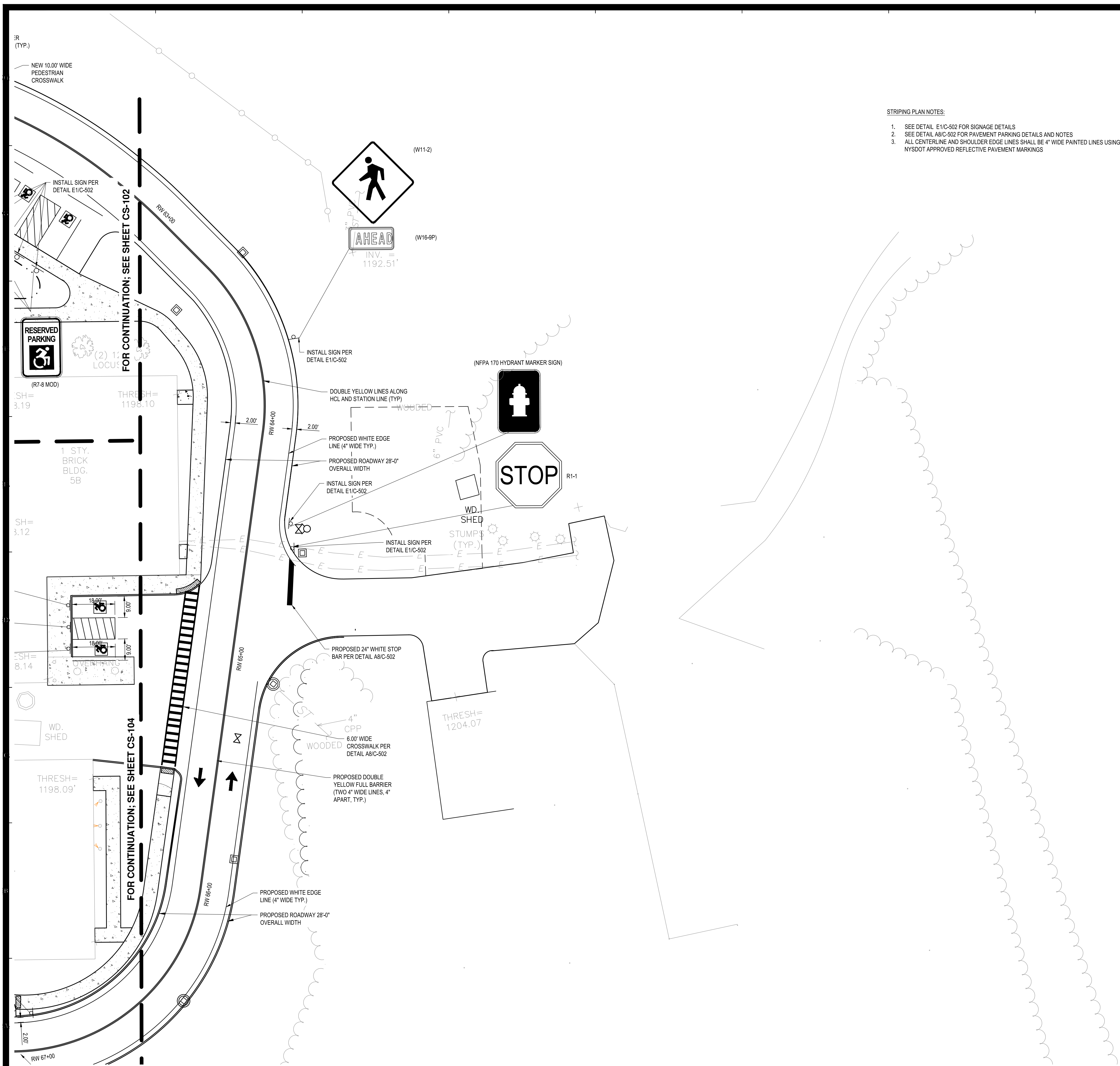


- STRIPING PLAN NOTES:**
1. SEE DETAIL E1/C-502 FOR SIGNAGE DETAILS
 2. SEE DETAIL A8/C-502 FOR PAVEMENT PARKING DETAILS AND NOTES
 3. ALL CENTERLINE AND SHOULDER EDGE LINES SHALL BE 4" WIDE PAINTED LINES USING NYSDOT APPROVED REFLECTIVE PAVEMENT MARKINGS



REVISIONS

Rev No	Description	Date:

Project Key


NEW YORK STATE OF OPPORTUNITY
 Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

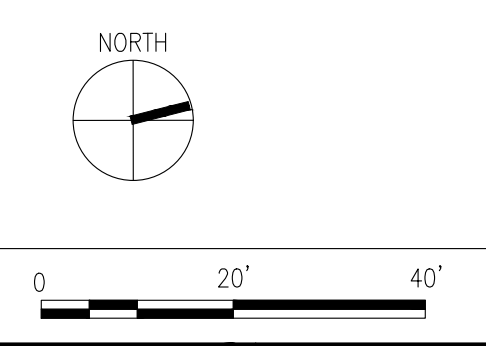
Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
STRIPING PLAN

Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

Seal & Signature:  DASNY Project No: **354360**
 Drawing Number: **CS-103**
 Drawing of 66



515 Broadway, Albany, New York 12207-2944
 One Penn Plaza, 52 Floor, NY, NY 10119-0938
 539 Franklin Street, Buffalo, NY 14202-1109
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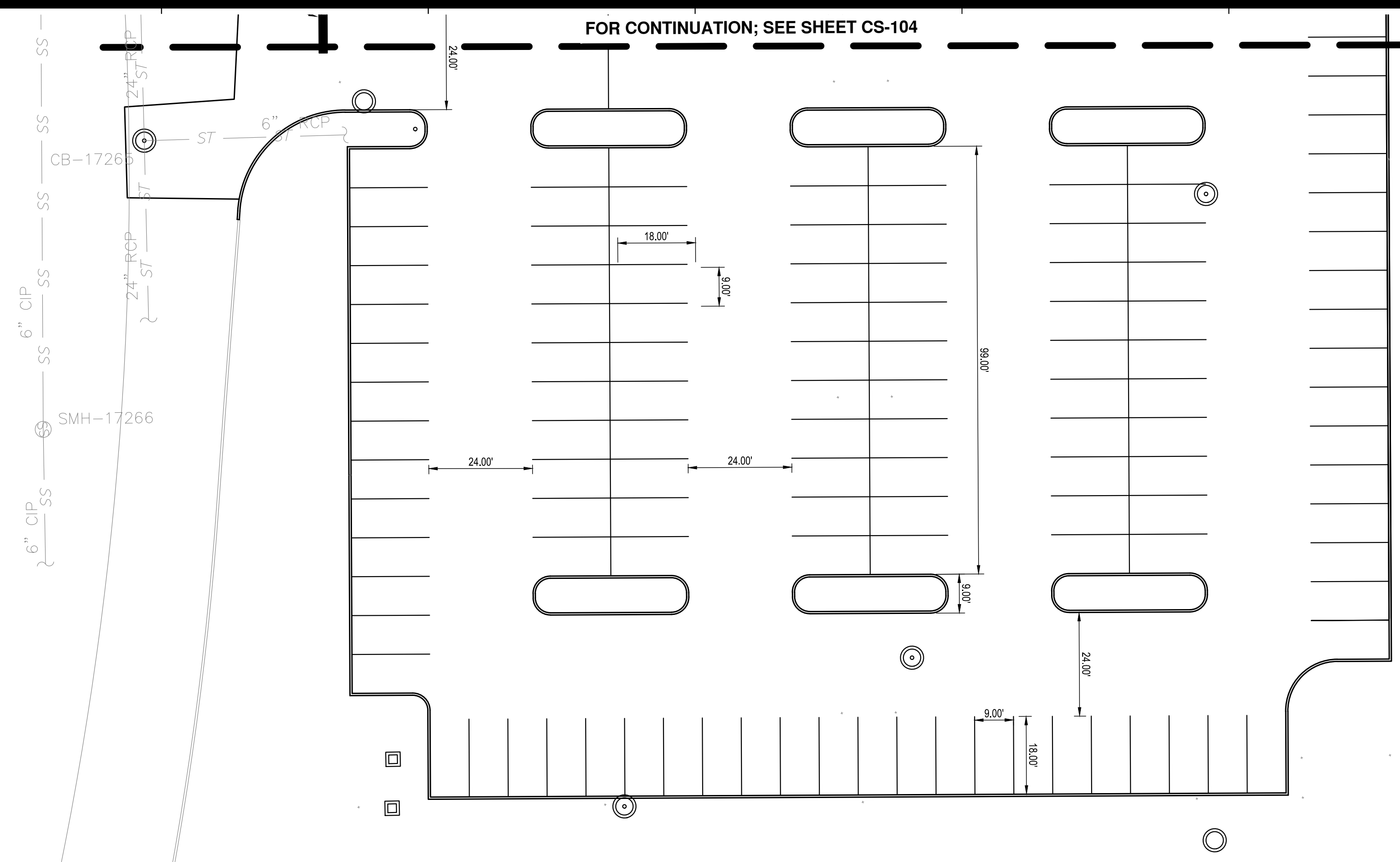
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FOR CONTINUATION; SEE SHEET CS-104



Project Key

REVISIONS

Rev No	Description	Date:

NEW YORK STATE OF OPPORTUNITY **Office for People With Developmental Disabilities**

NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

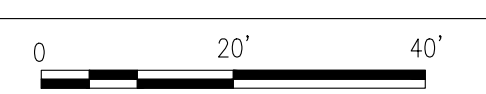
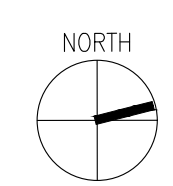
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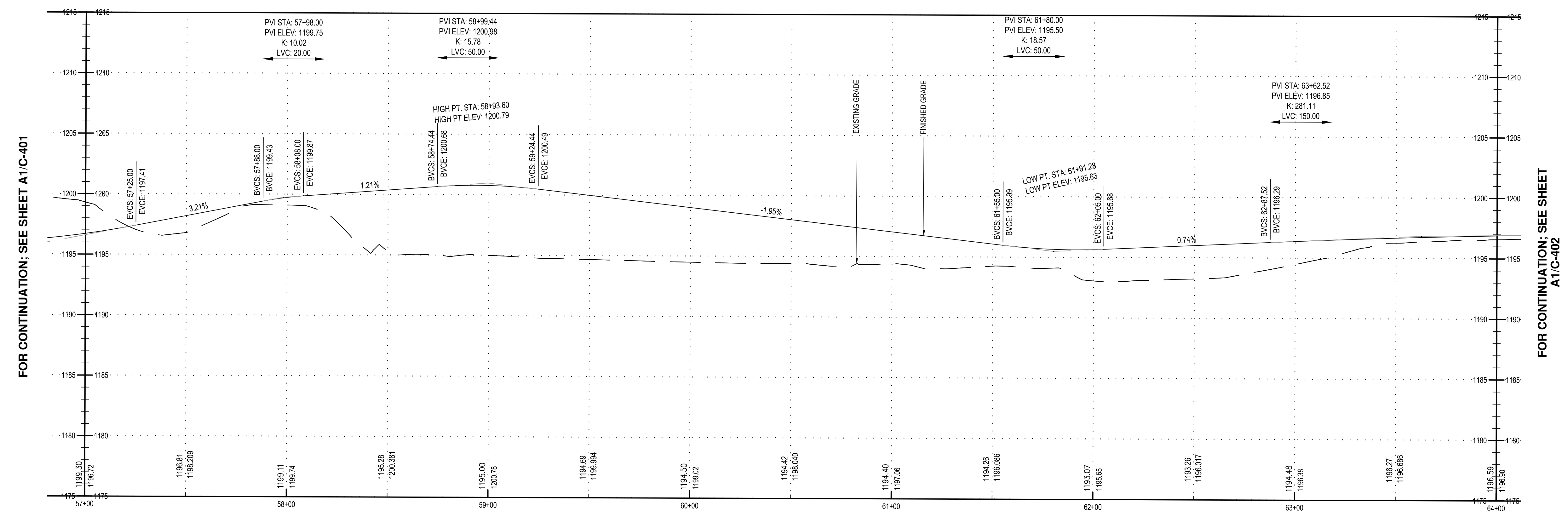
Phase
BID DOCUMENTS

Drawn By: NJS **Checked By:** DHW **Date:** 9/20/2024

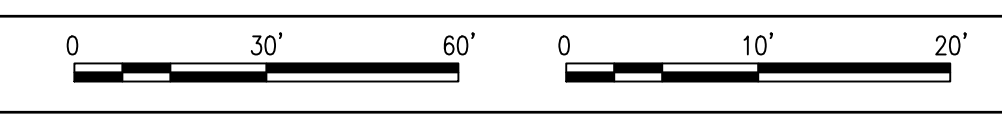
Seal & Signature
 DASNY Project No: 354360
 Drawing Number: CS-105

Drawing 42 of 66





E1 ROAD PROFILE
 SCALE: 1" = 30' H; 1" = 10' V



Project Key

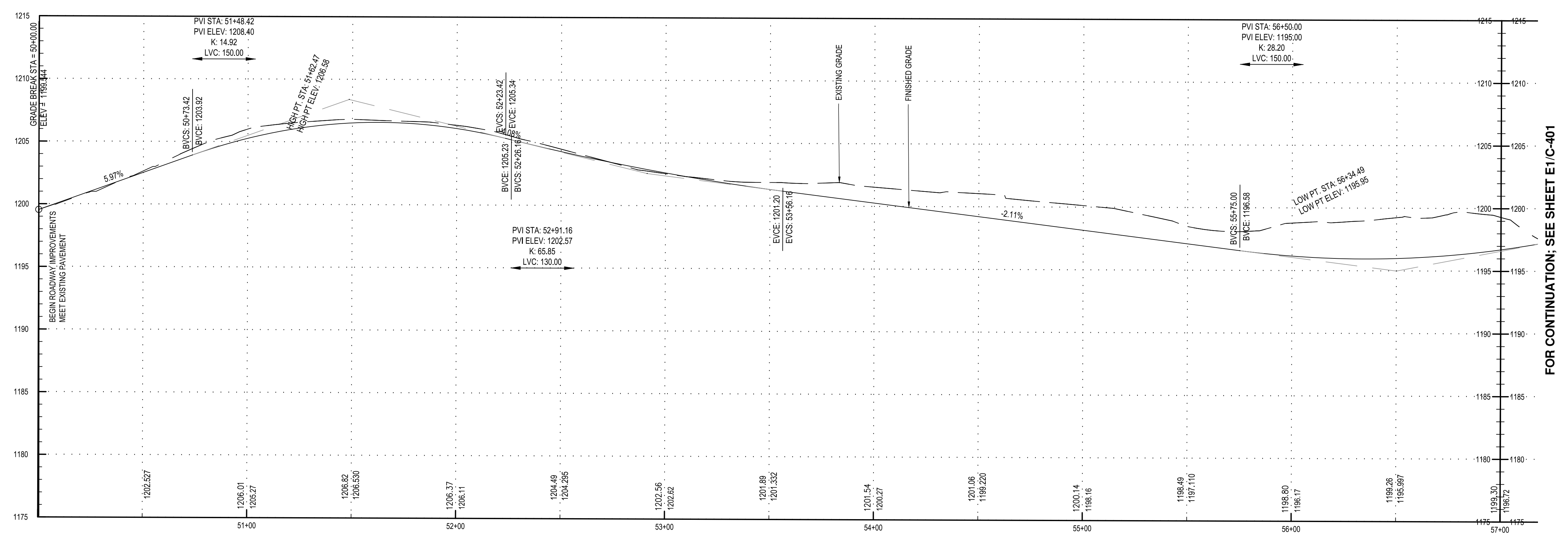
REVISIONS

Rev No	Description	Date

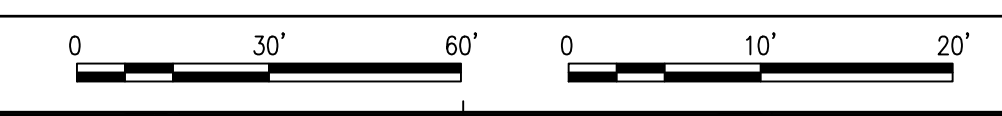
NEW YORK STATE OF OPPORTUNITY Office for People With Developmental Disabilities

NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901



A1 ROAD PROFILE
 SCALE: 1" = 30' H; 1" = 10' V

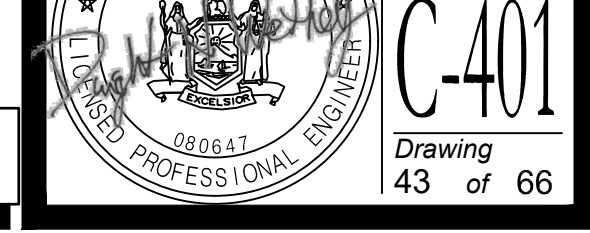


Drawing Title
ROADWAY PROFILES

Phase
BID DOCUMENTS

Drawn By: **DGB** Checked By: **DHW** Date: **9/20/2024**

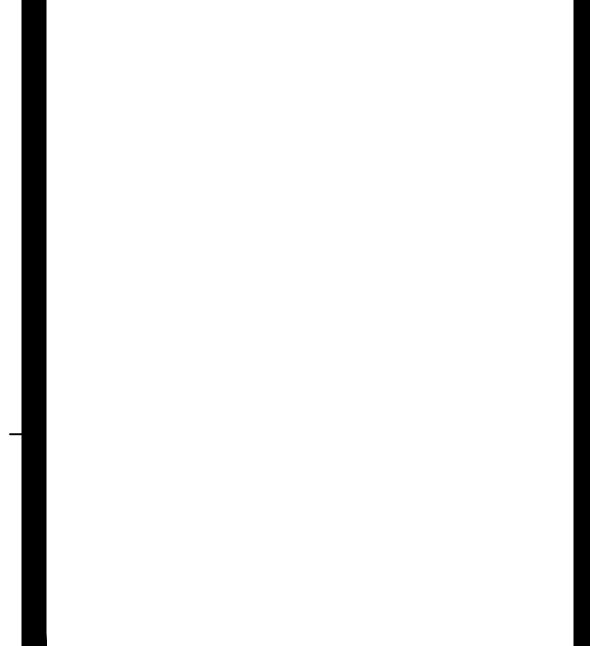
Seal & Signature
354360
 Drawing Number



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 499 Col. Eileen Collins Blvd.
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Project Key



REVISIONS

Rev No	Description	Date:

NEW YORK STATE OF OPPORTUNITY **Office for People With Developmental Disabilities**
 NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208
 Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

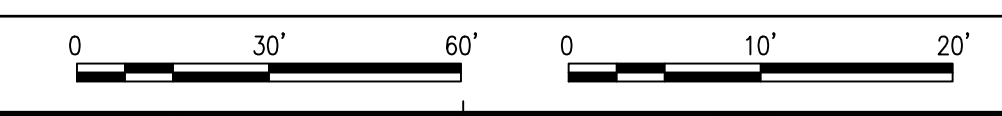
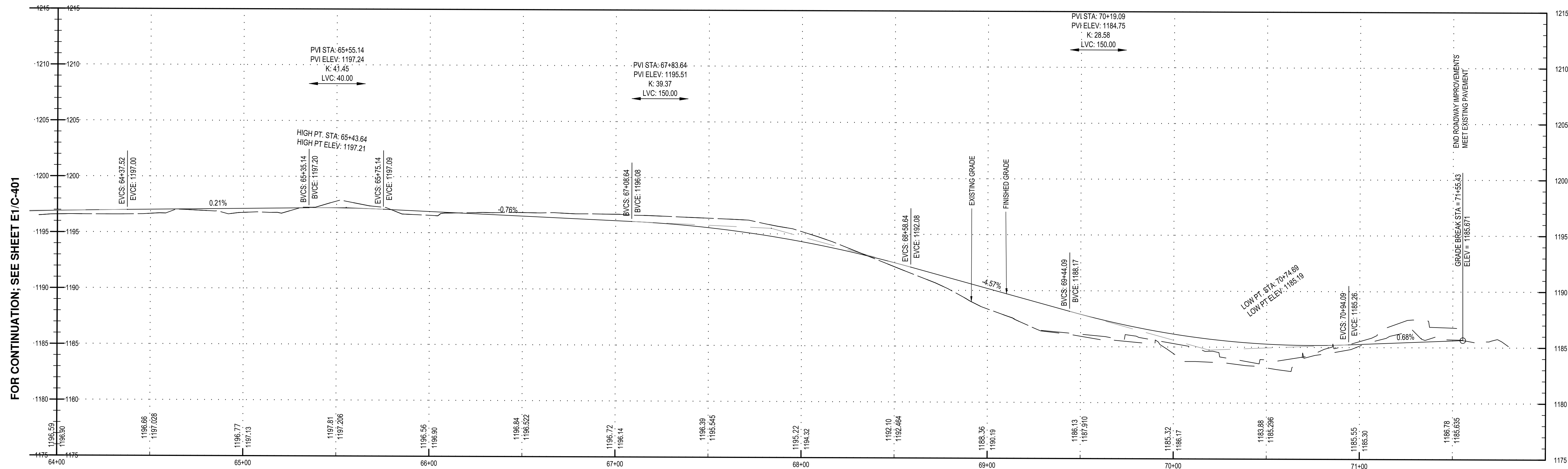
Drawing Title
ROADWAY PROFILES

Phase
BID DOCUMENTS

Drawn By: **DGB** Checked By: **DHW** Date: **9/20/2024**

Seal & Signature
 DASNY Project No: **354360**
 Drawing Number

C-402
 Drawing of 66

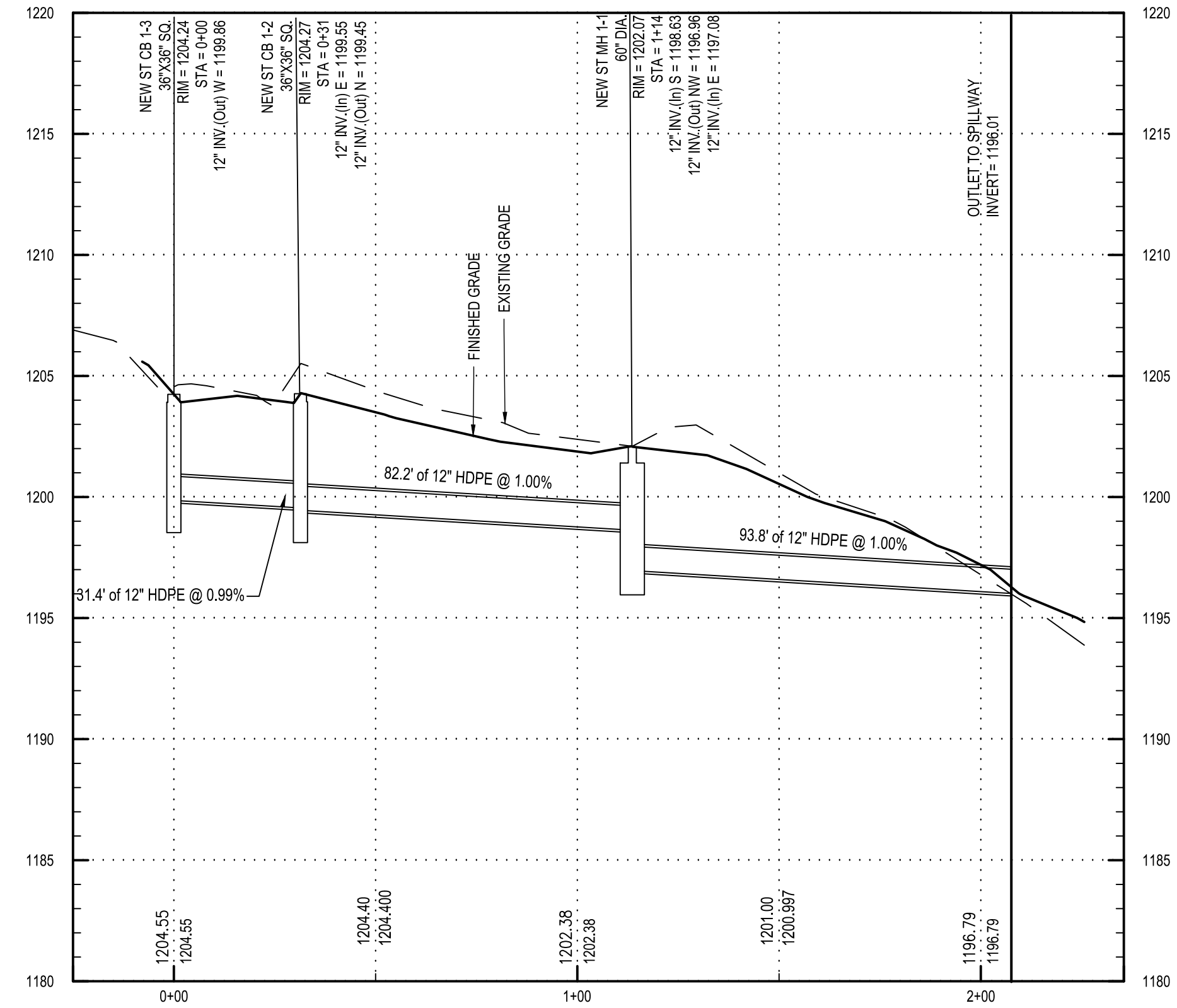


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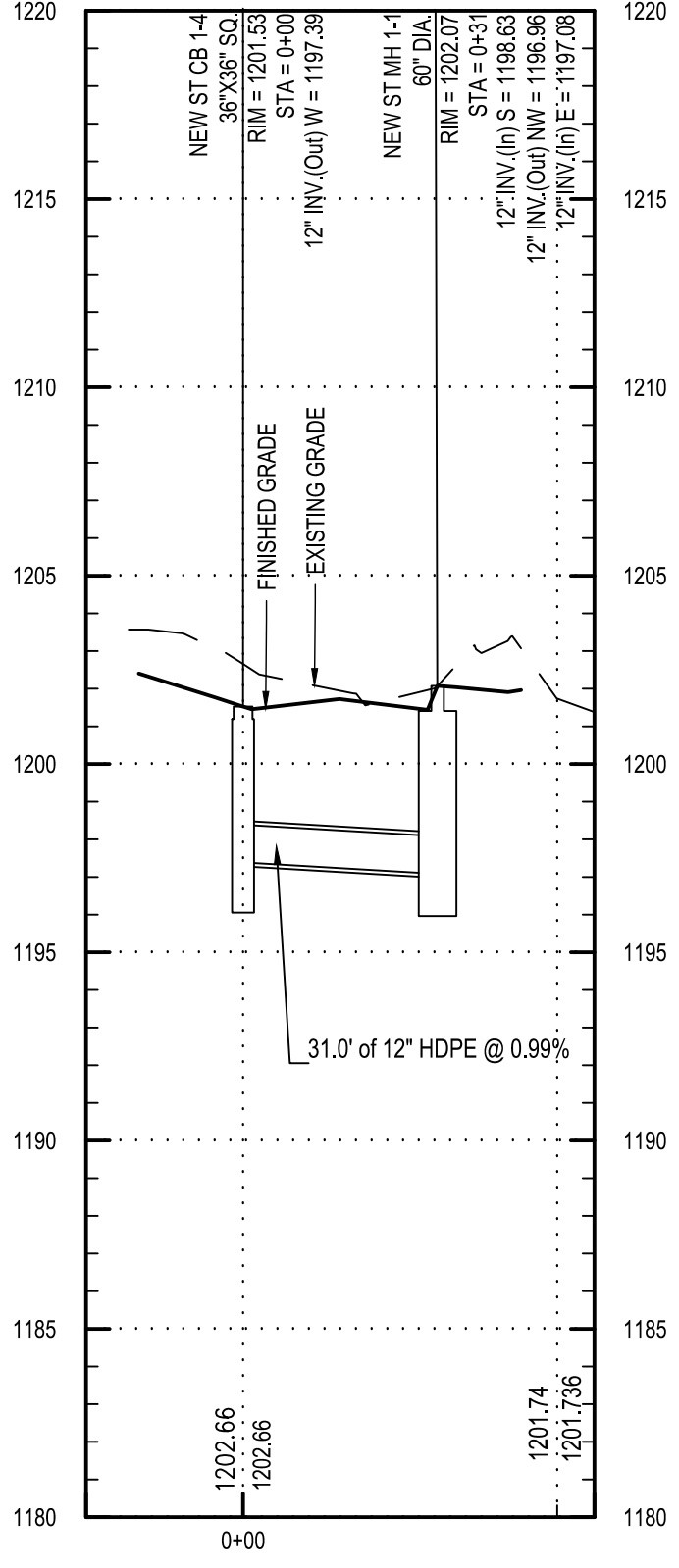
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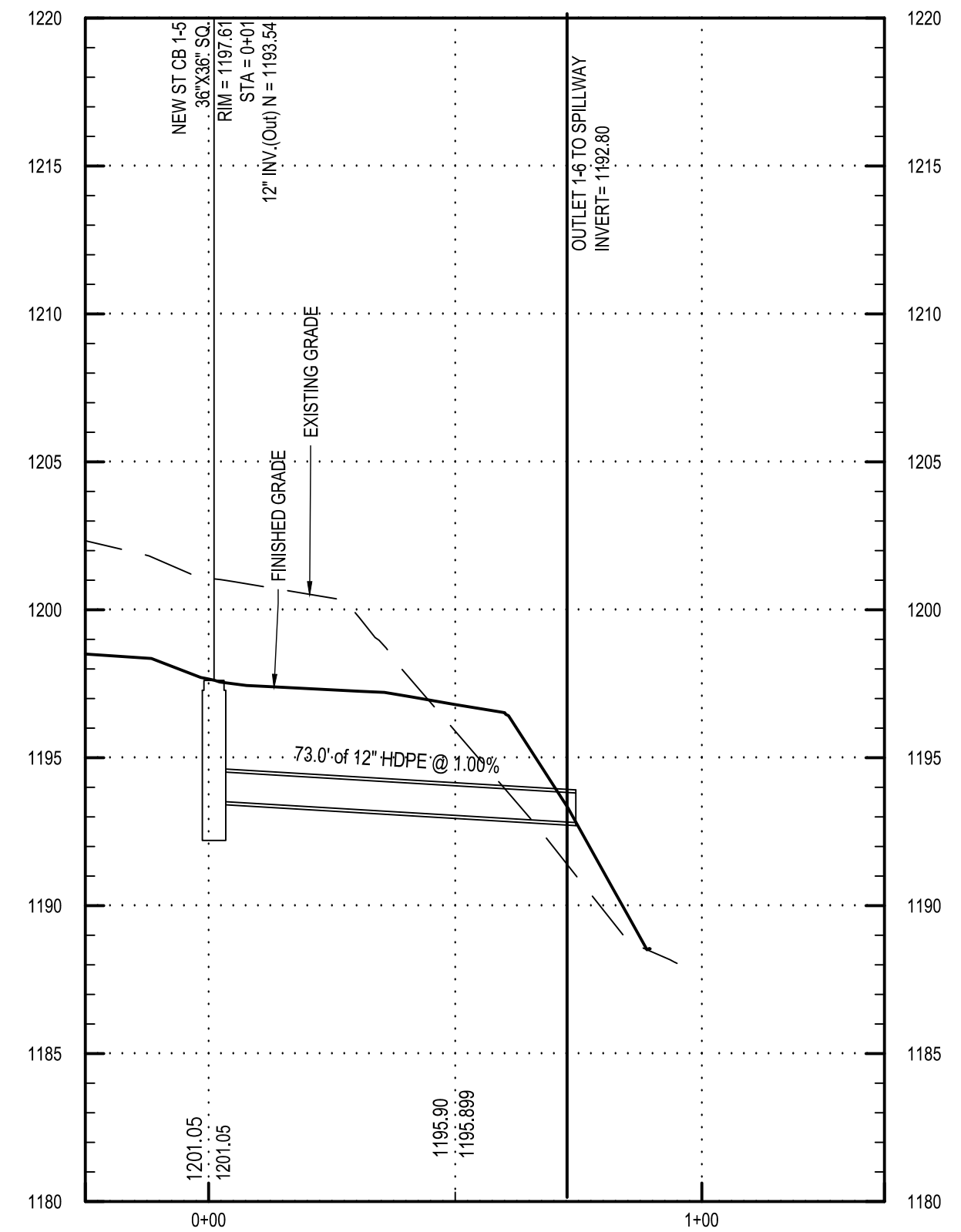
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 499 Col. Eileen Collins Blvd.
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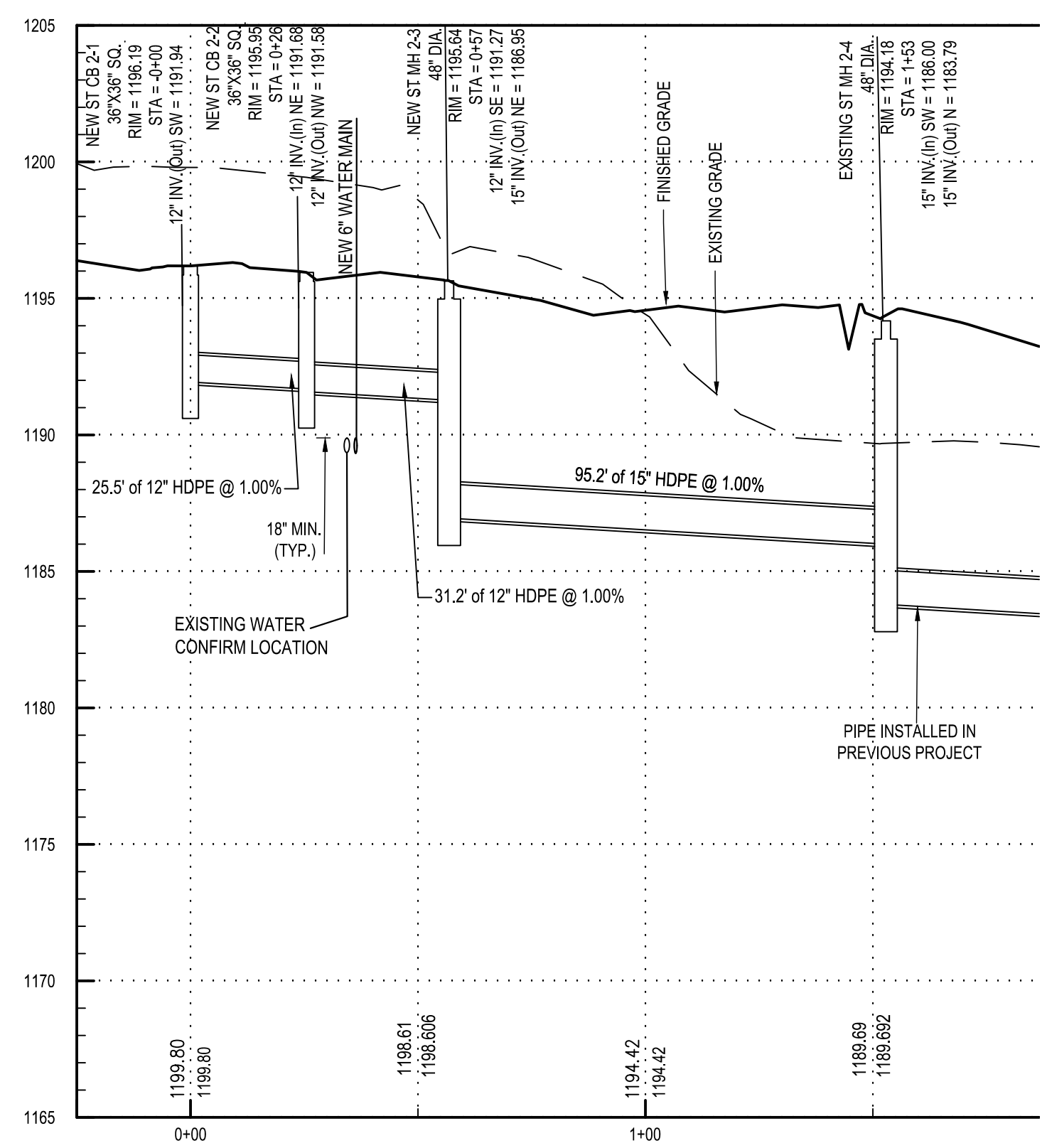
NEW ST CB 1-3 TO NEW ST CB 1-2 TO
 NEW ST MH 1-1 TO OUTLET 1-1A PROFILE



NEW ST CB 1-4 TO NEW ST MH
 1-1 PROFILE



NEW ST CB 1-5 TO OUTLET 1-6
 PROFILE



NEW ST CB 2-1 TO NEW ST CB 2-2 TO NEW ST MH 2-3 TO EXISTING ST MH 2-4

Project Key

REVISIONS

Rev No	Description	Date:

Office for People With
 Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
**BROOME DDSO ROAD-
 PARKING-EXPANSION**
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

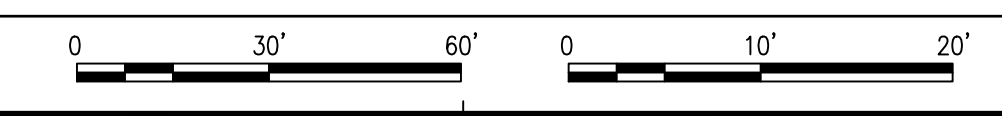
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**STORM SEWER
 PROFILES**

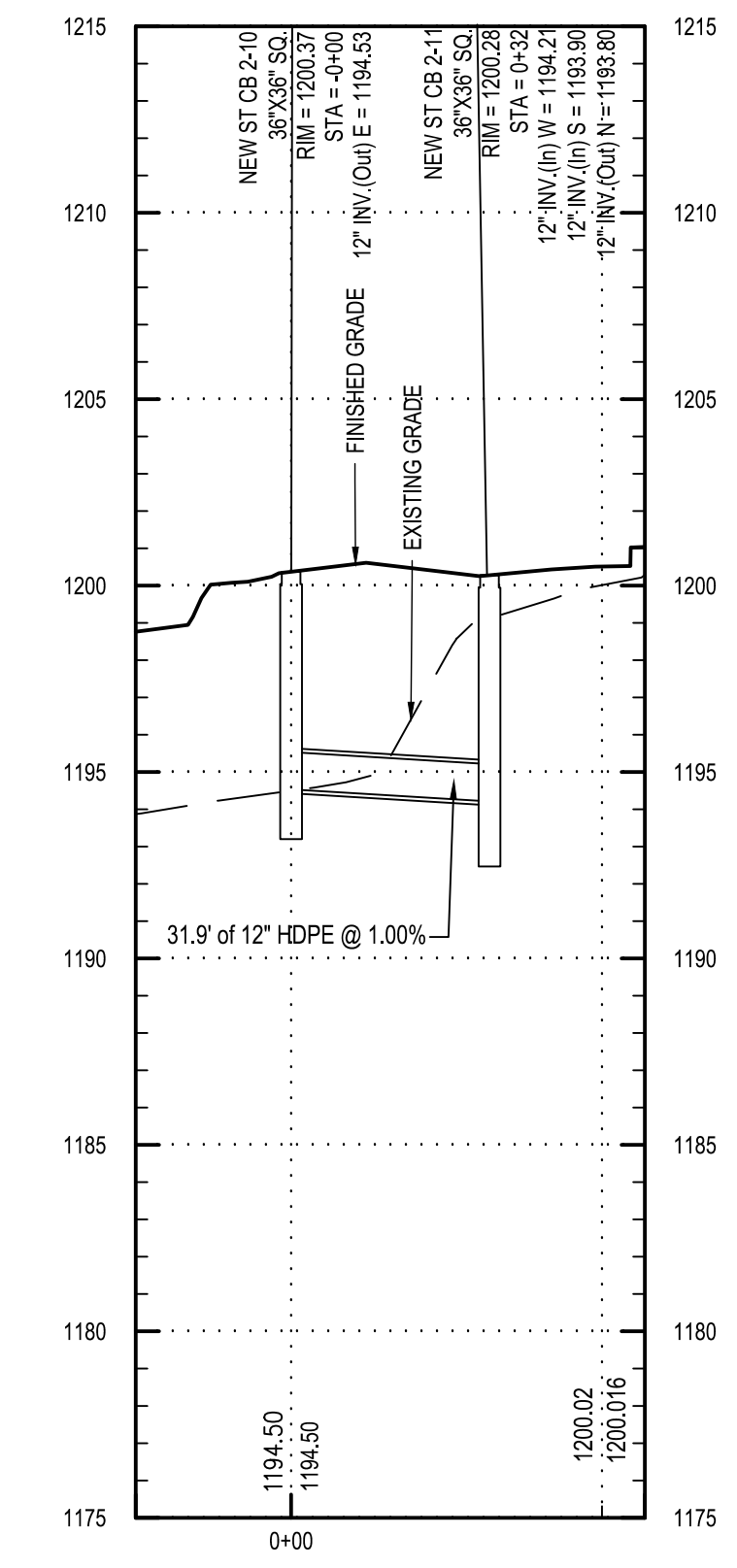
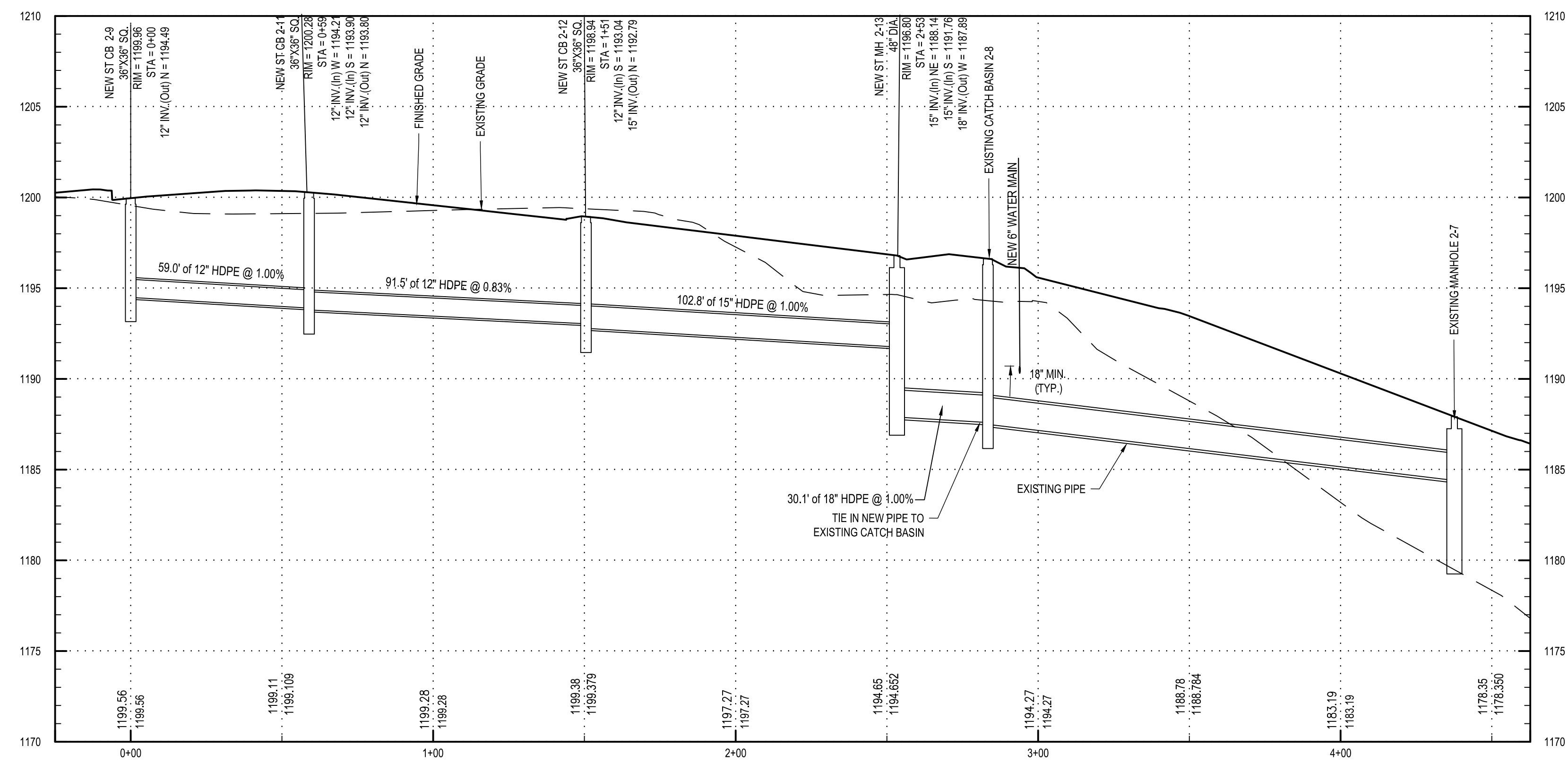
Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

Seal & Signature DASNY Project No: **354360**

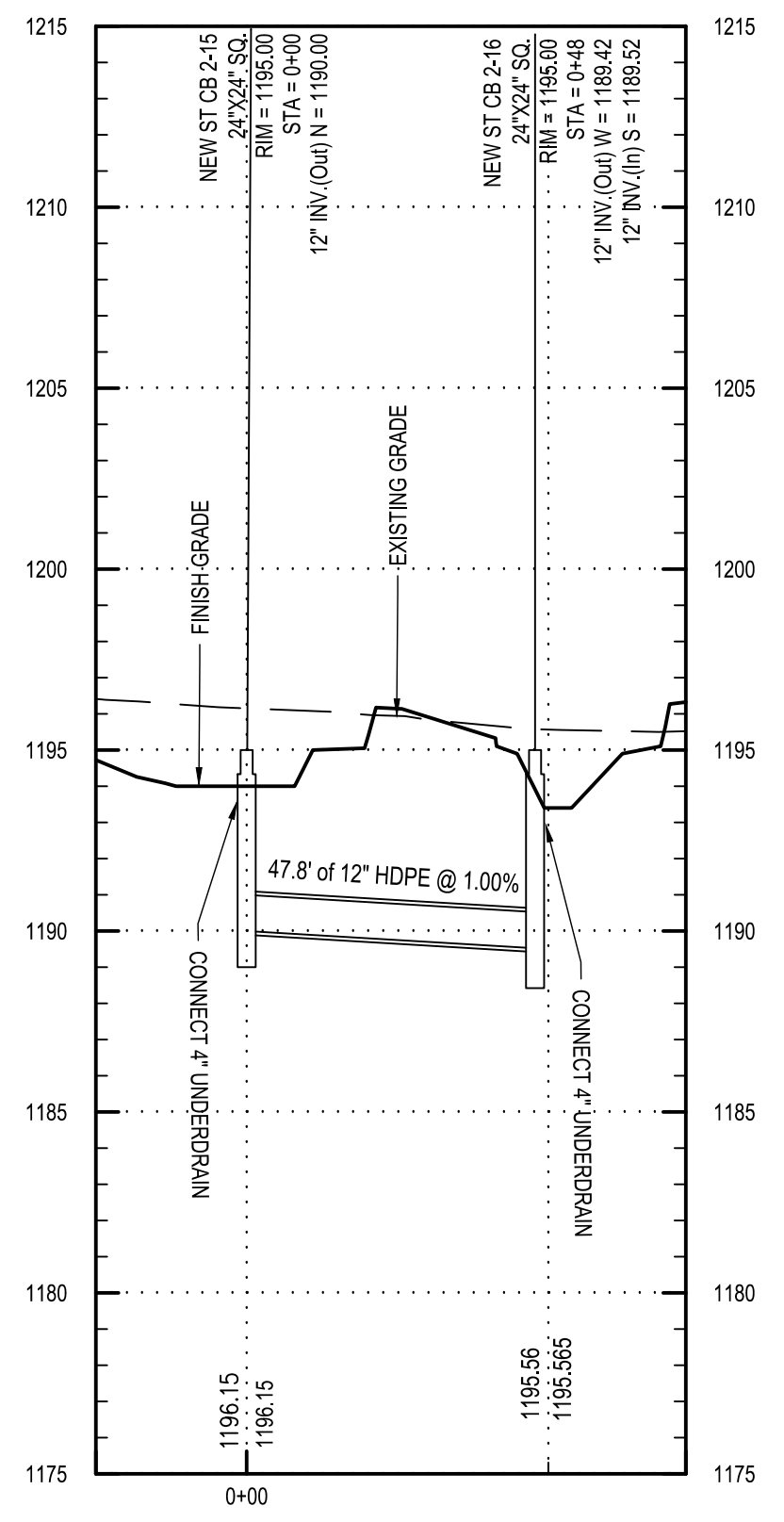
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 Drawing 45 of 66



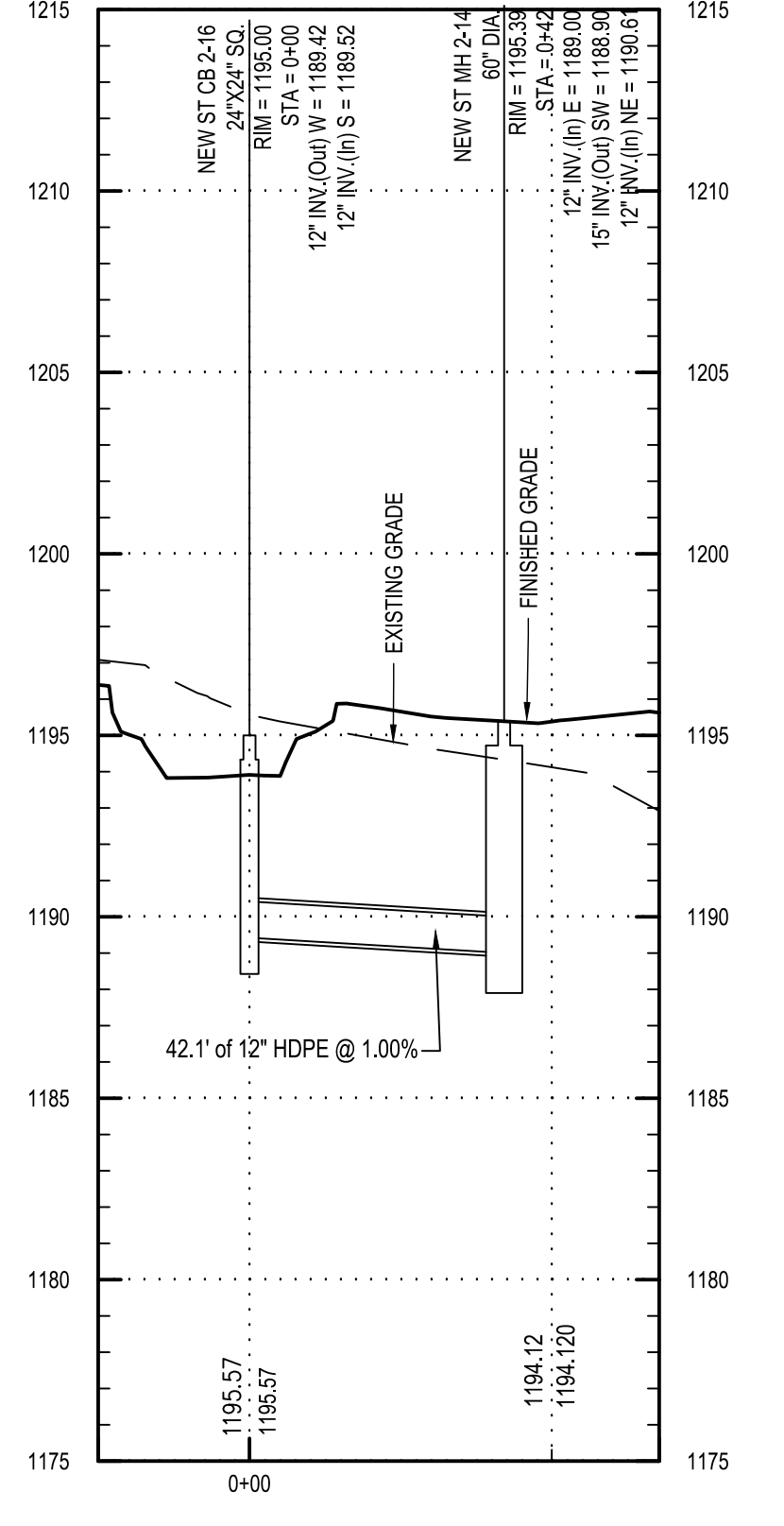


NEW ST CB 2-9 TO NEW ST CB 2-11 TO NEW ST CB 2-12 TO NEW ST MH 2-13 TO EXISTING ST CB 2-8 TO EXISTING ST MH 2-7

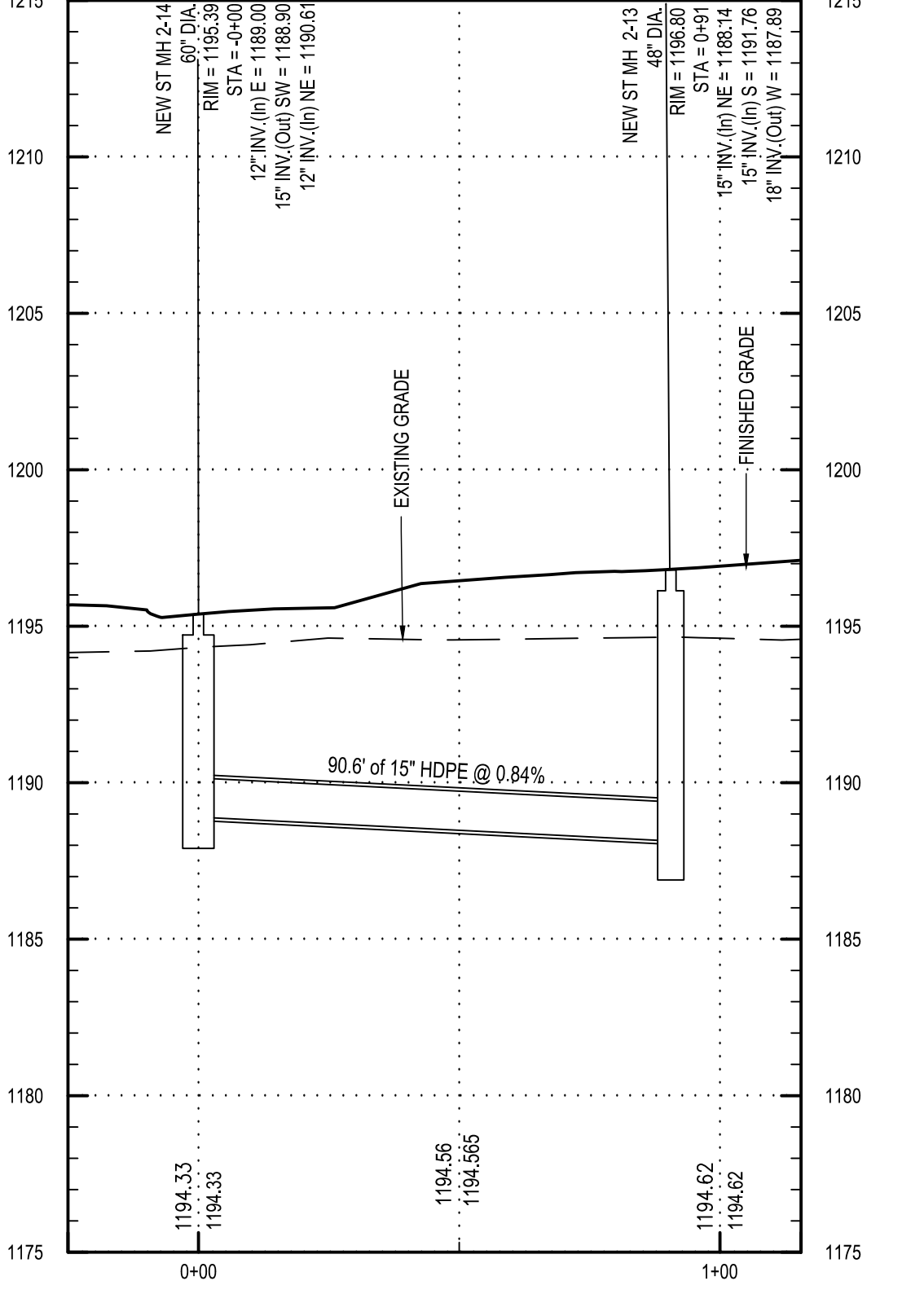
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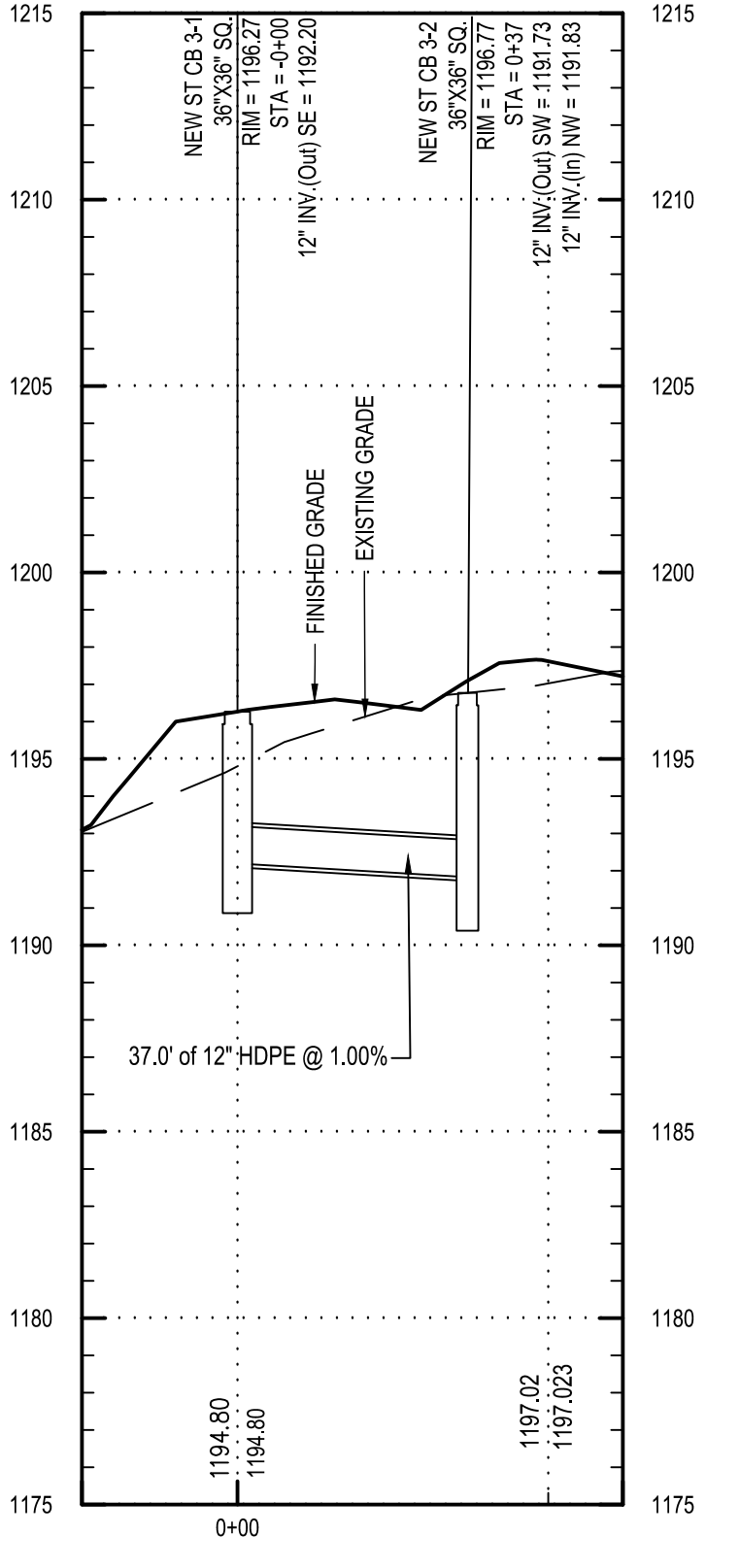
NEW ST CB 2-15 TO NEW ST CB 2-16 PROFILE



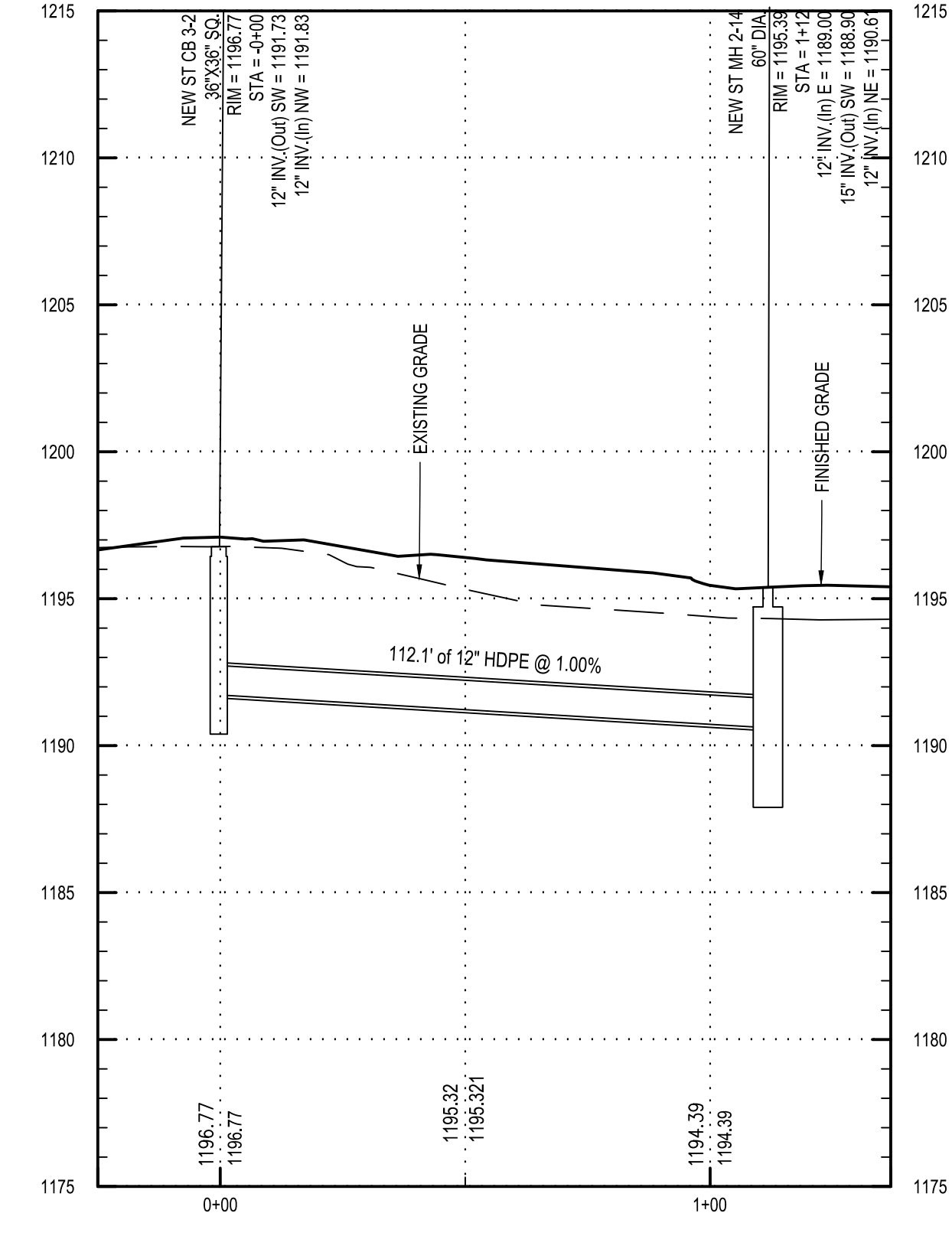
NEW ST CB 2-16 TO NEW ST MH 2-14 PROFILE



NEW ST MH 2-14 TO NEW ST MH 2-13 PROFILE



NEW ST CB 3-1 TO NEW ST CB 3-2 PROFILE



NEW ST CB 3-2 TO NEW ST MH 2-14 PROFILE

Project Key

REVISIONS

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NEW YORK STATE OFFICE for People With Developmental Disabilities
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 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

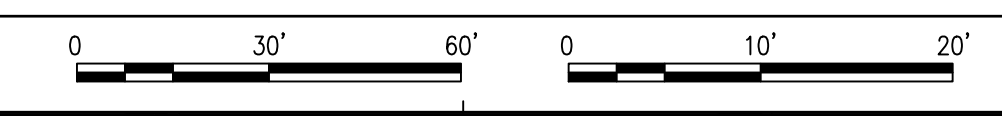
Drawing Title
STORM SEWER PROFILES

Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

DASNY Project No: **354360**

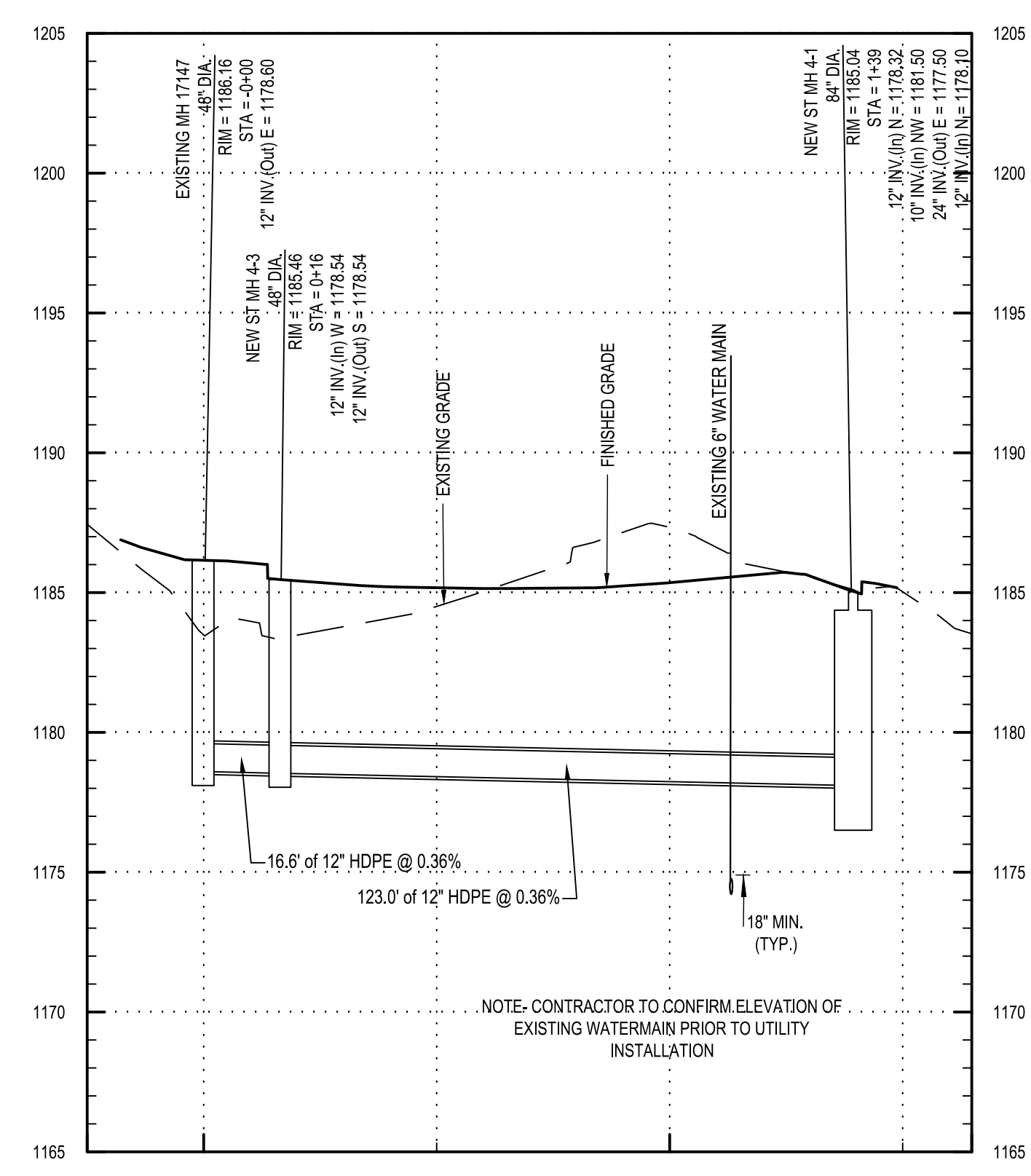
Drawing Number: **C-404**
 Drawing 46 of 66



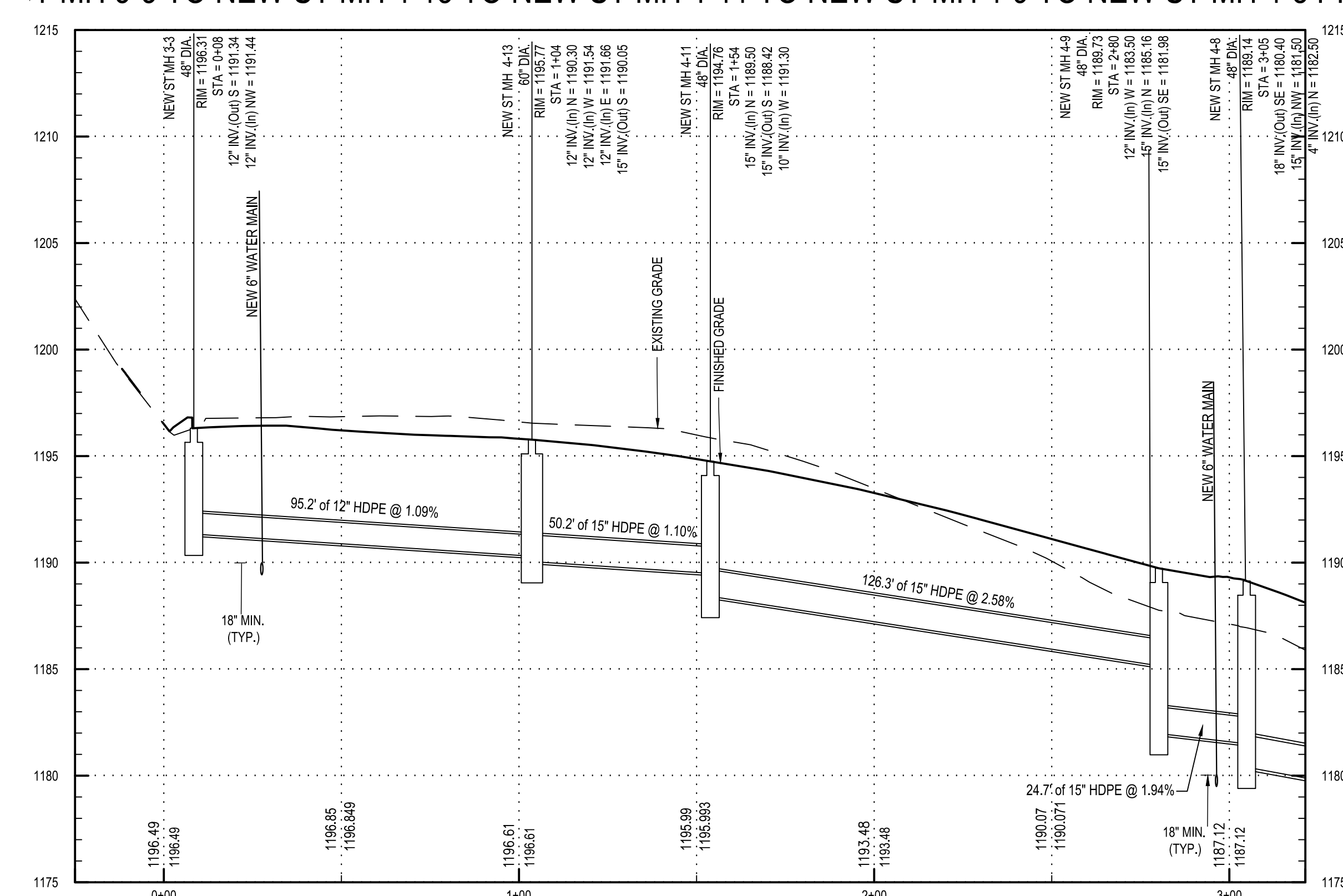
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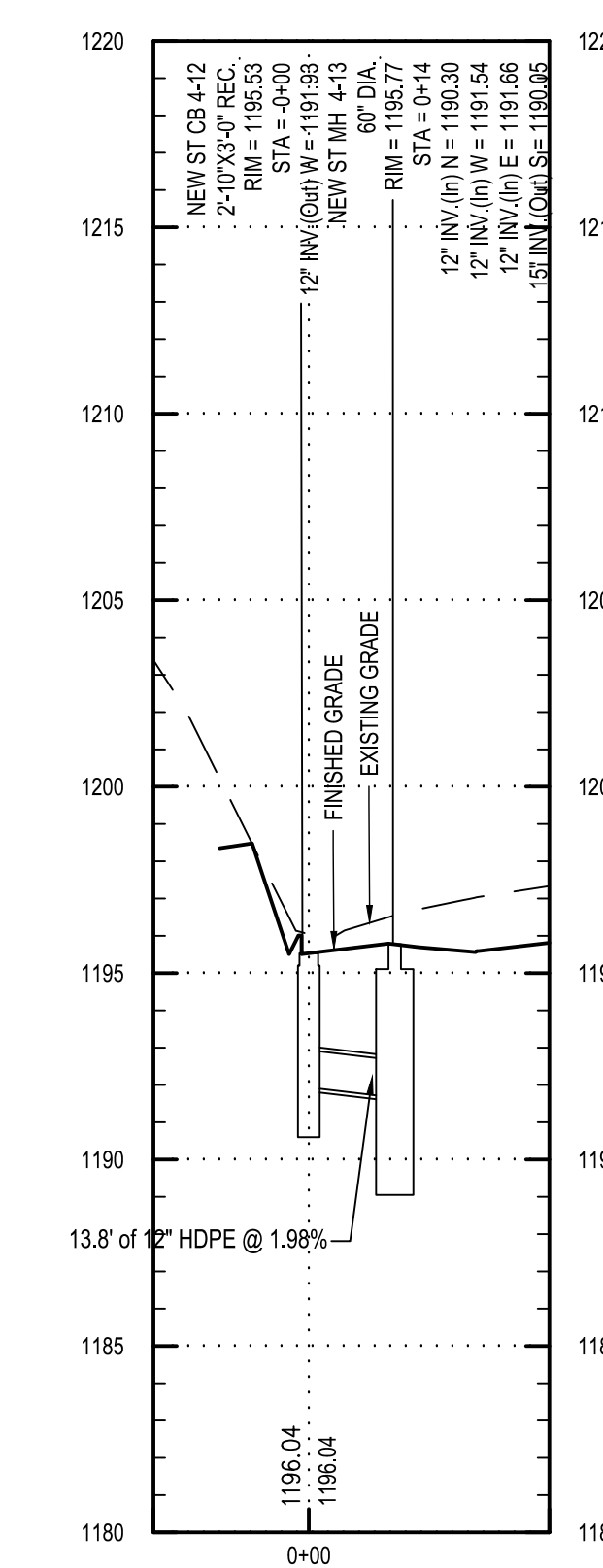
Consultants:
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 C&S Engineers, Inc.
 499 Col. Eileen Collins Blvd.
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 Phone: 315-455-2000
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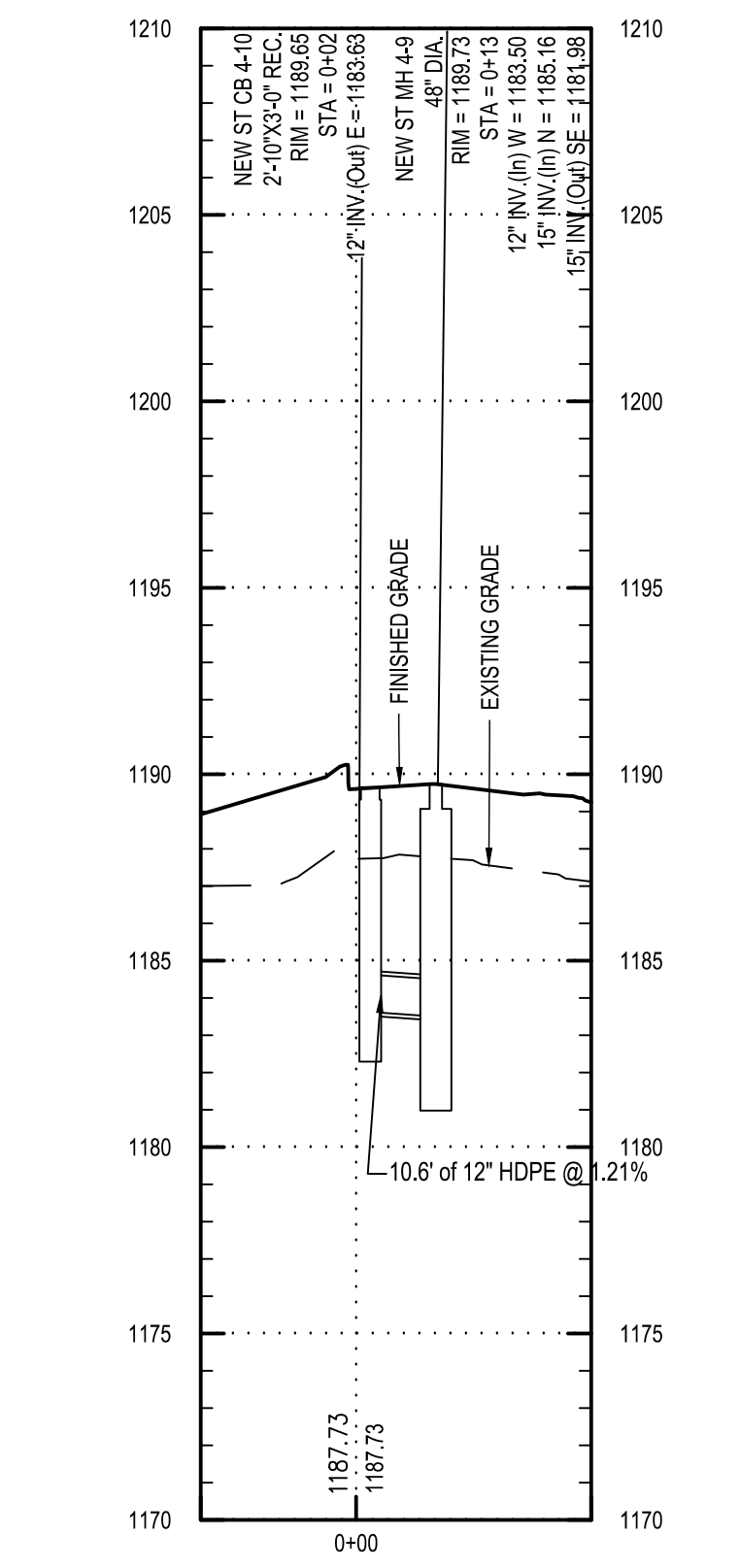
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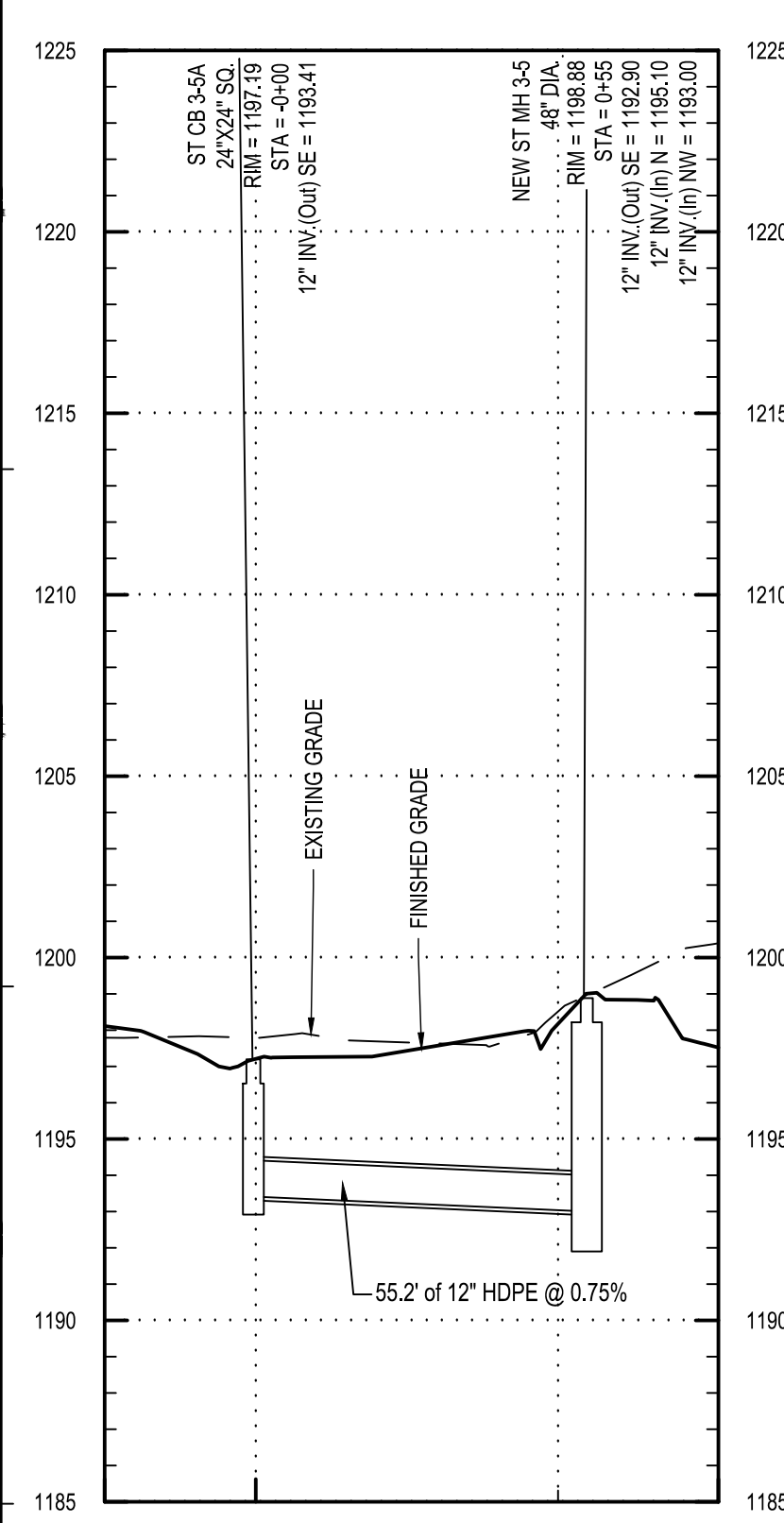
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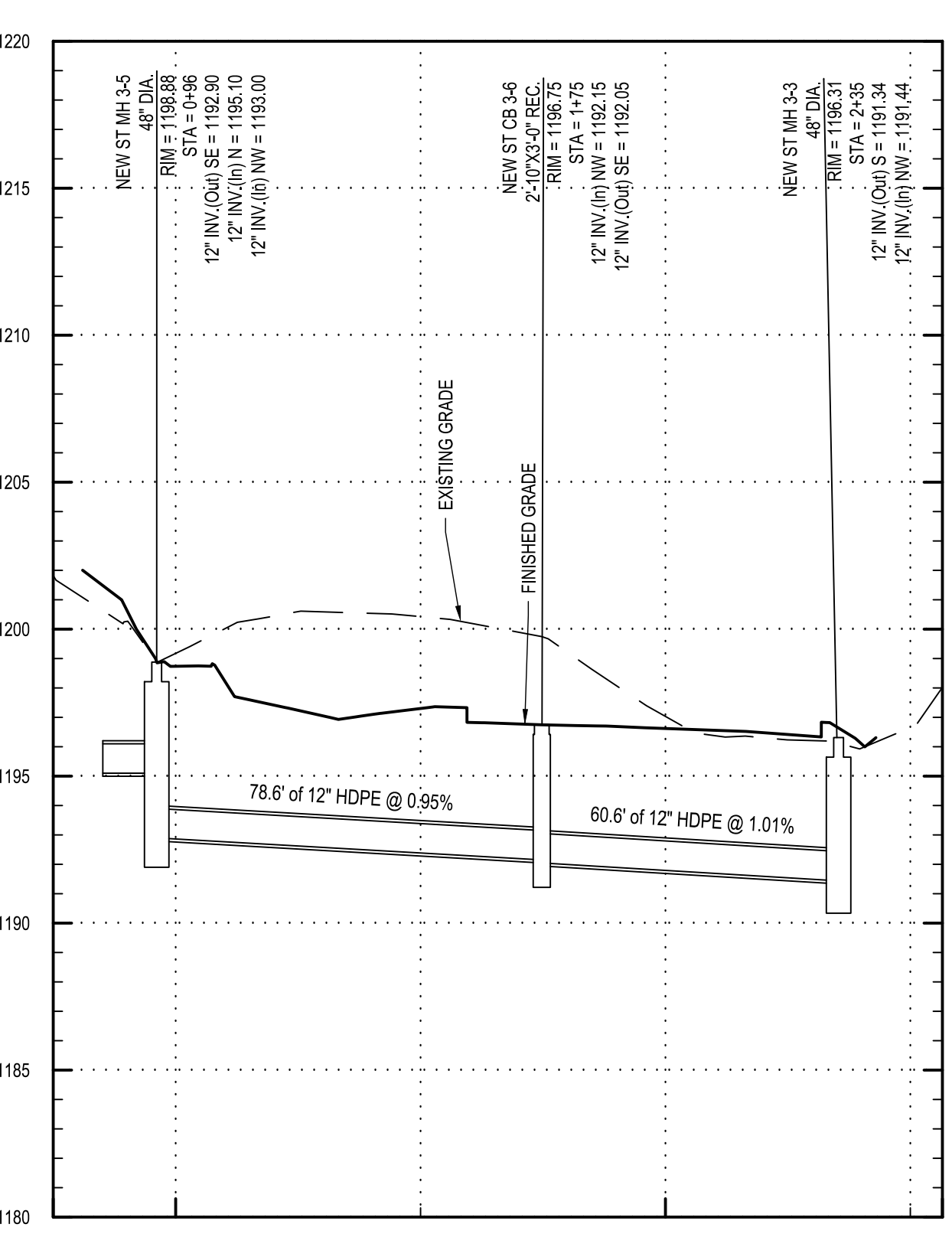
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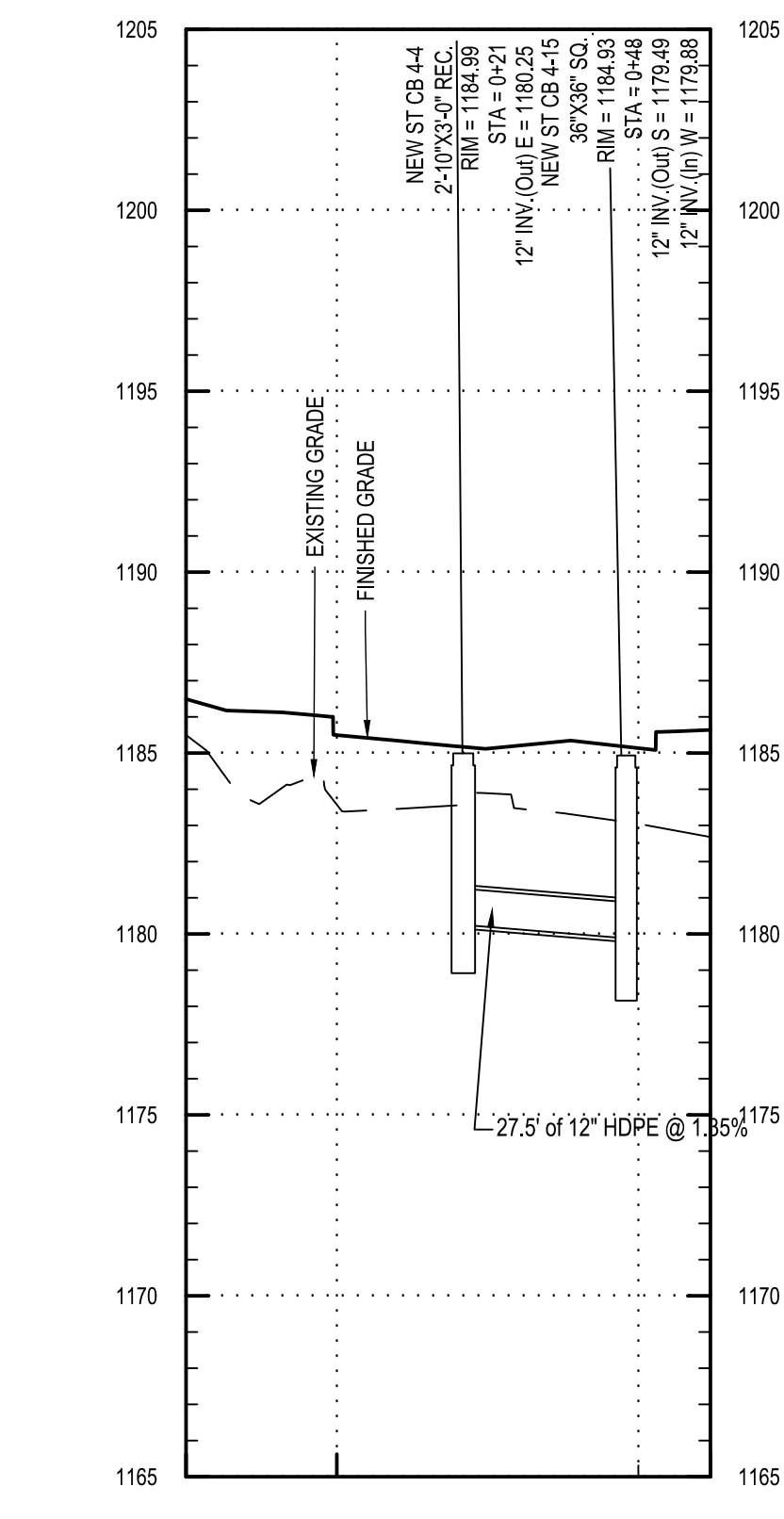
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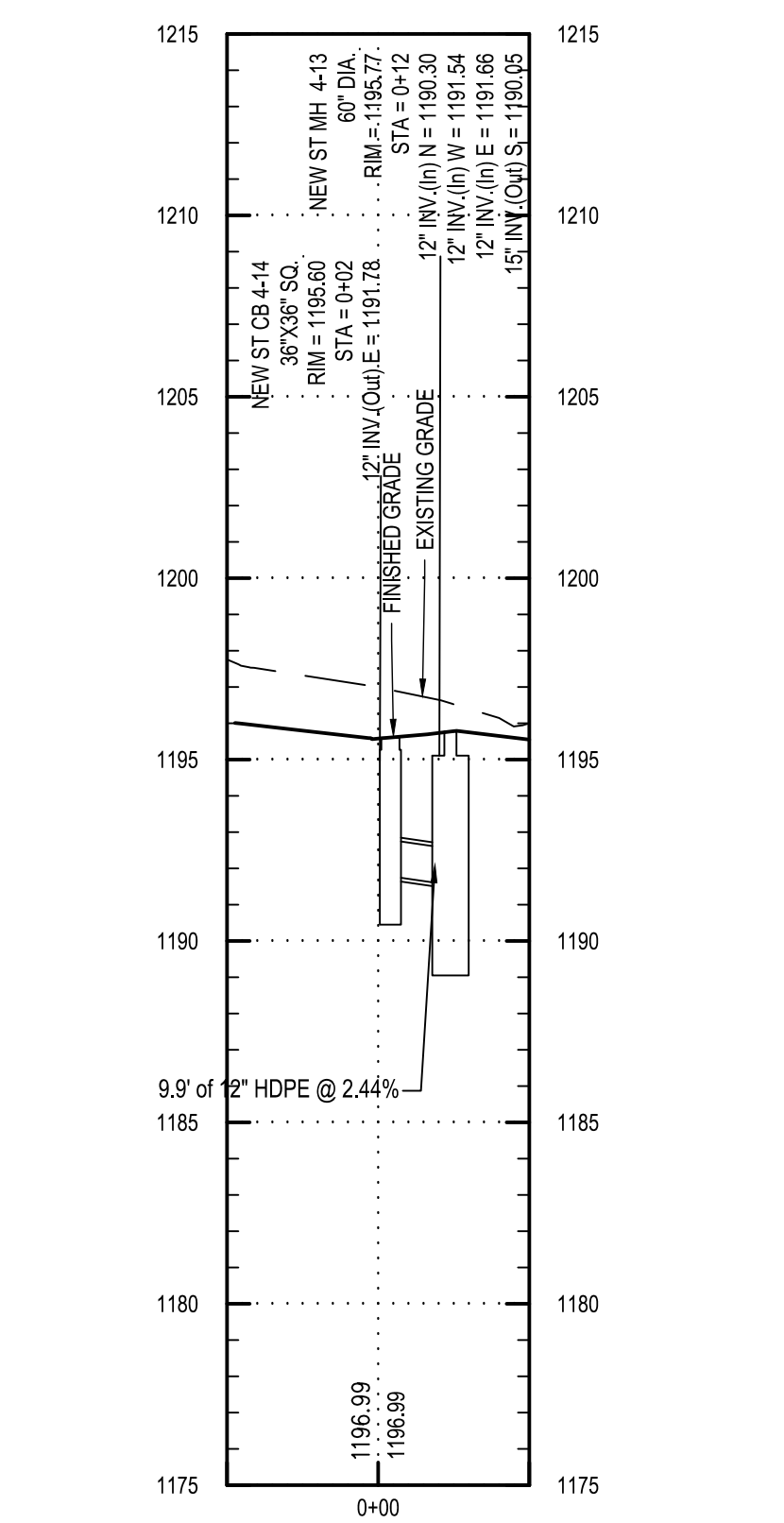
NEW ST CB 3-5A TO NEW ST MH 3-5 PROFILE



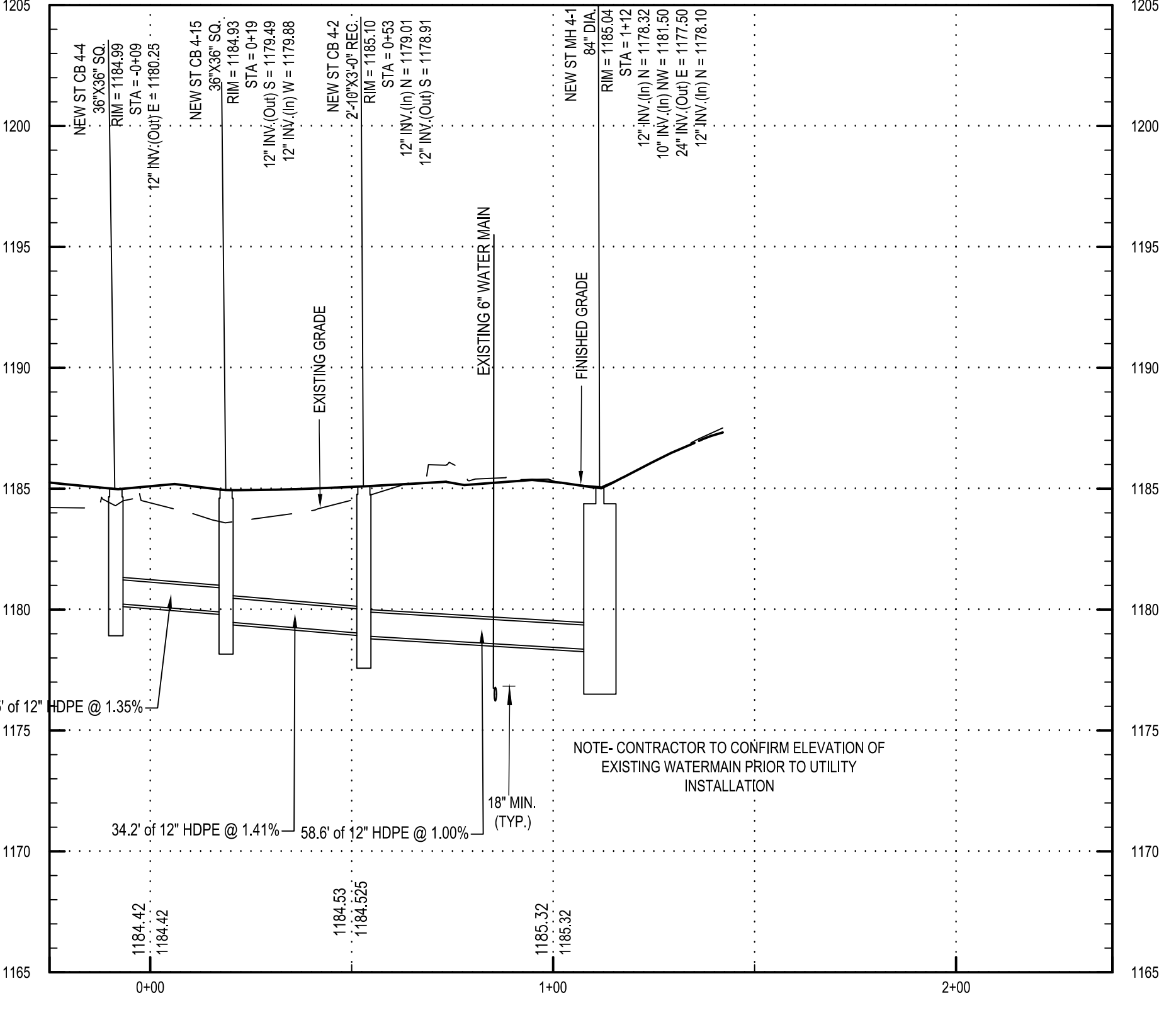
NEW ST CB 3-4 TO NEW ST MH 3-5 TO NEW ST CB 3-6 TO NEW ST MH 3-3 PROFILE



NEW ST CB 4-4 TO NEW ST CB 4-15 PROFILE



NEW ST CB 4-14 TO NEW ST MH 4-13 PROFILE



NEW ST CB 4-4 TO NEW ST MH 4-15 TO NEW ST CB 4-2 TO NEW ST MH 4-1 PROFILE

Project Key

REVISIONS

Rev No	Description	Date

NEW YORK STATE OF OPPORTUNITY
 Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
STORM SEWER PROFILES

Phase
BID DOCUMENTS

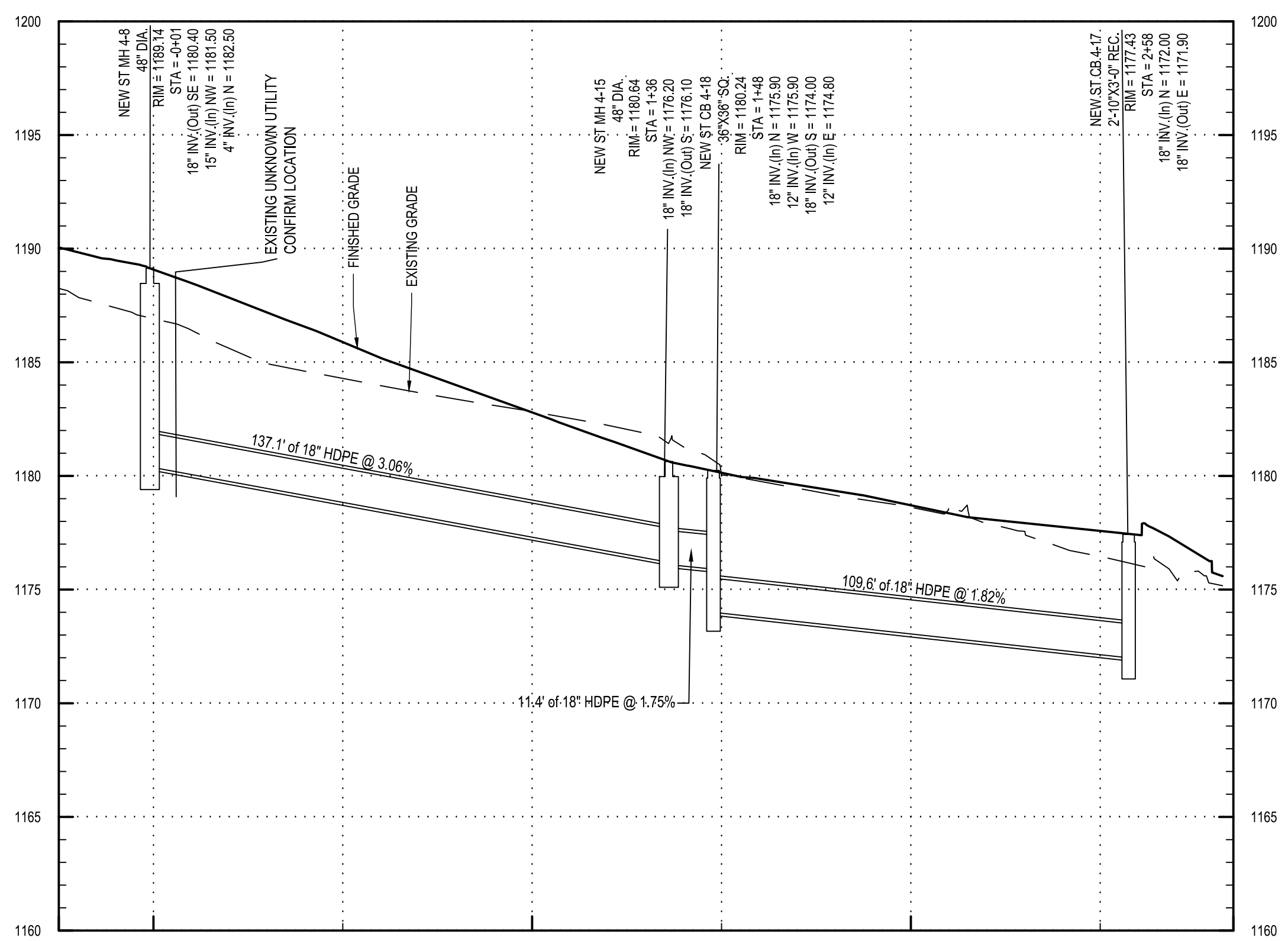
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Seal & Signature:

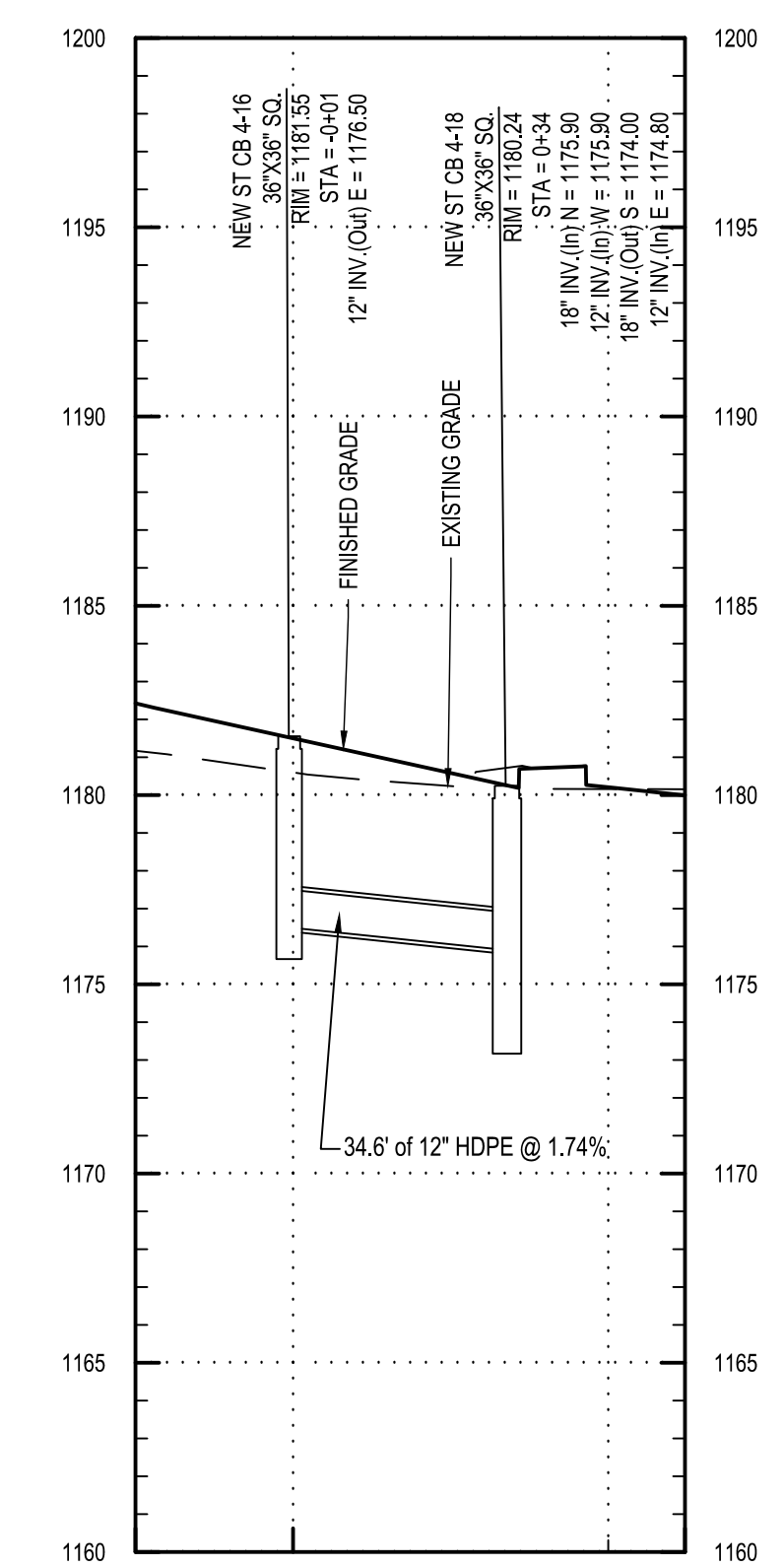
DASNY Project No: **354360**
 Drawing Number: **C-405**

Drawing 47 of 66

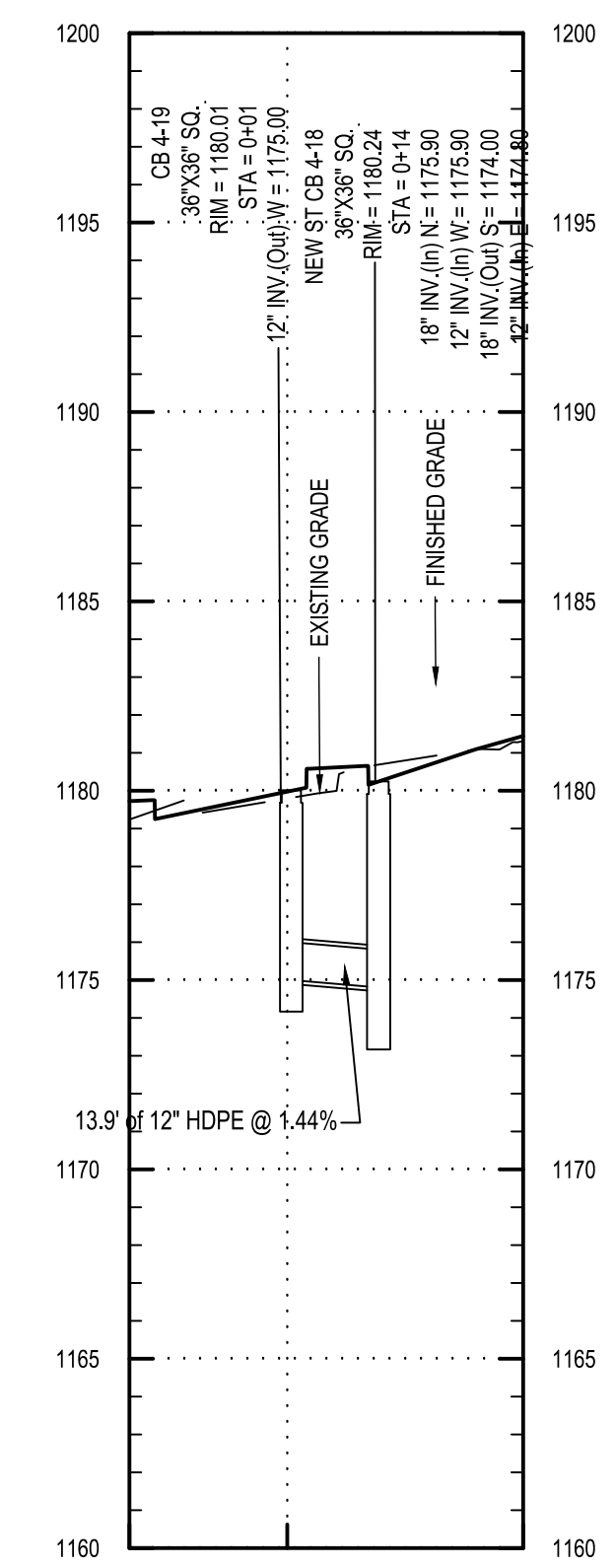




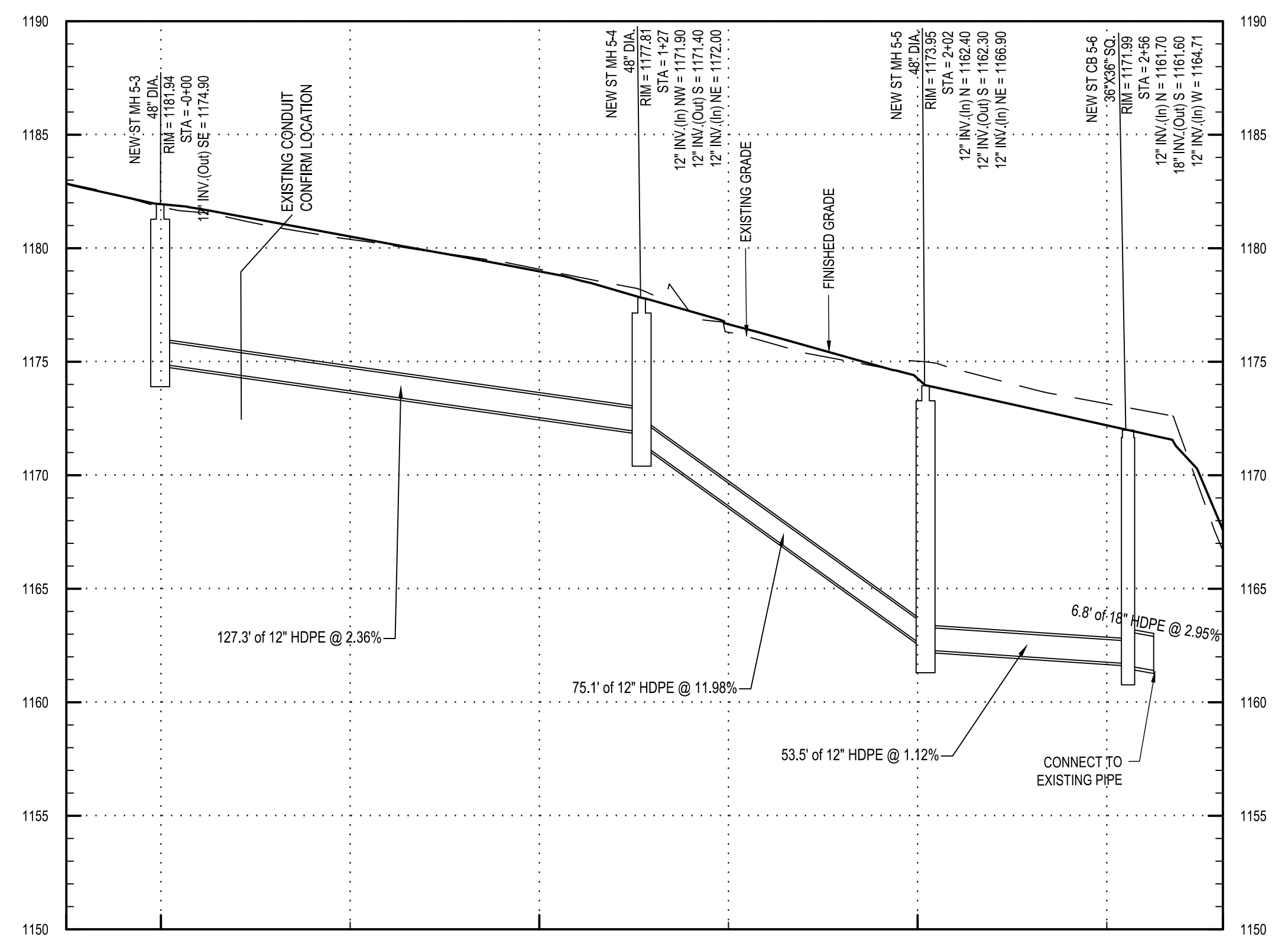
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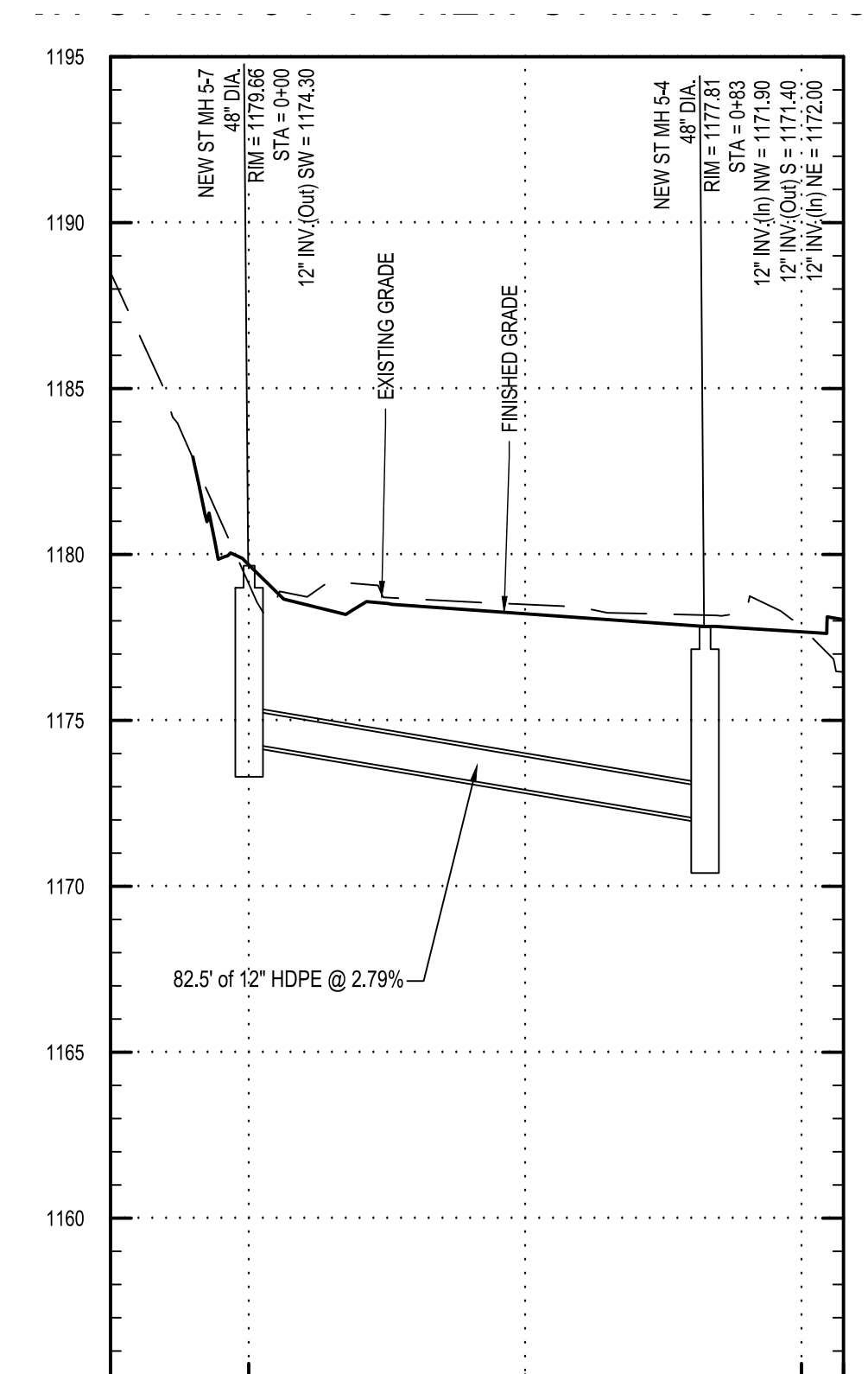
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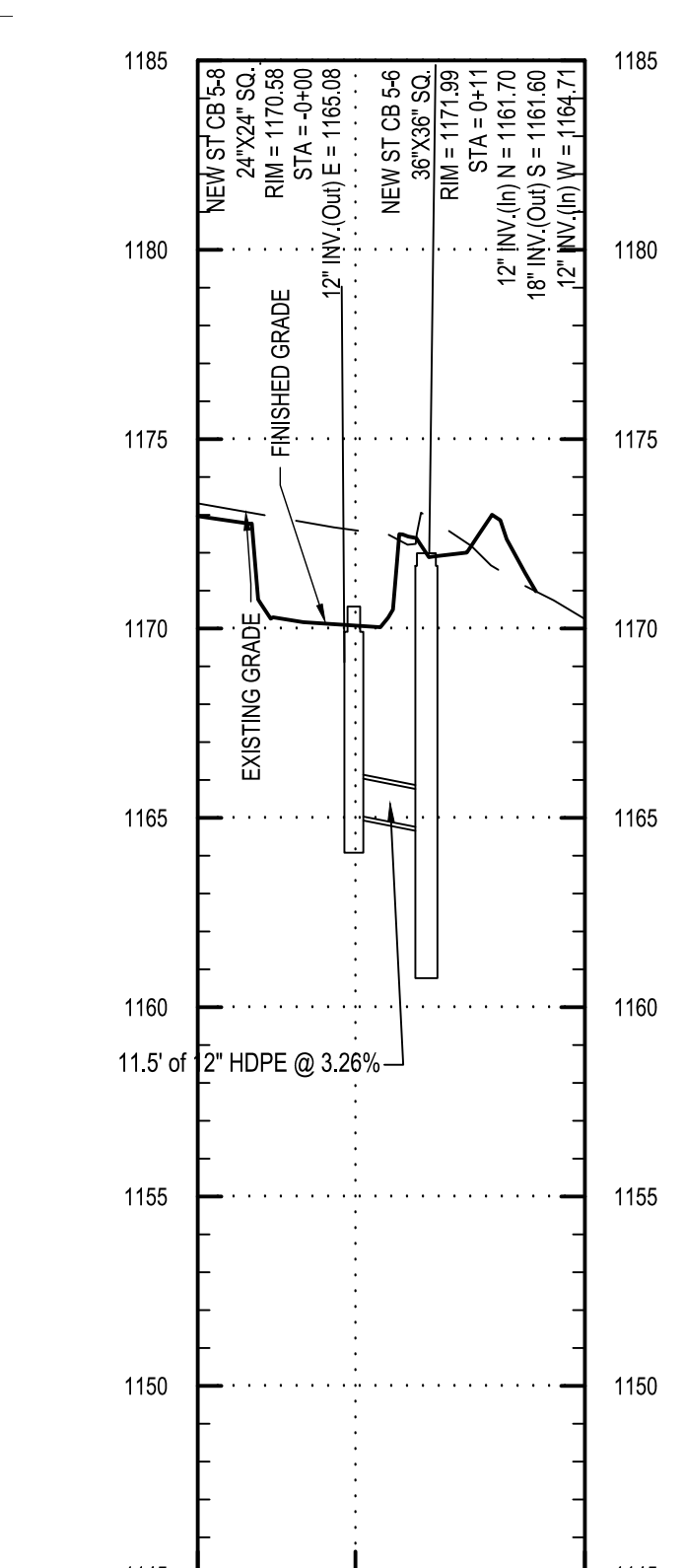
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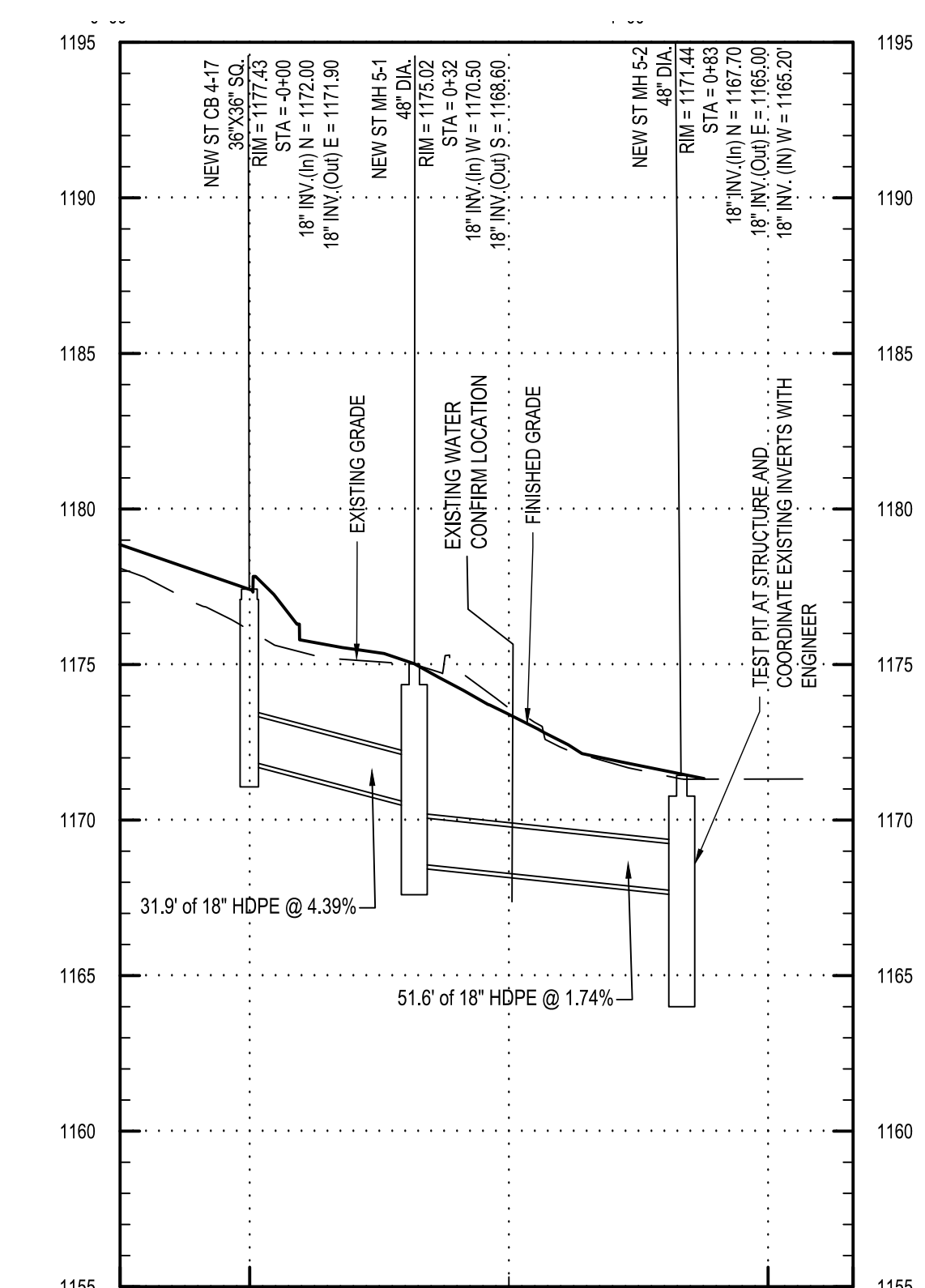
NEW ST MH 5-3 TO NEW ST MH 5-4 TO NEW ST MH 5-5 TO NEW ST CB 5-6 PROFILE



NEW ST MH 5-7 TO NEW ST MH 5-4 PROFILE



NEW ST CB 5-8 TO NEW ST CB 5-6 PROFILE



NEW ST CB 4-17 TO NEW ST MH 5-1 TO NEW ST MH 5-2

Project Key

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Rev No	Description	Date:

NEW YORK STATE OFFICE FOR PEOPLE WITH DEVELOPMENTAL DISABILITIES
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

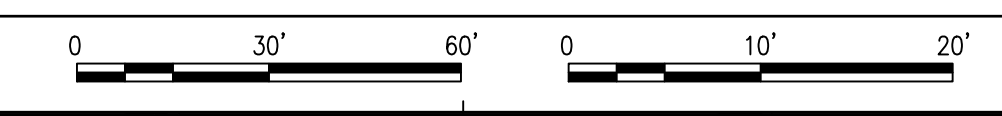
Drawing Title
STORM SEWER PROFILES

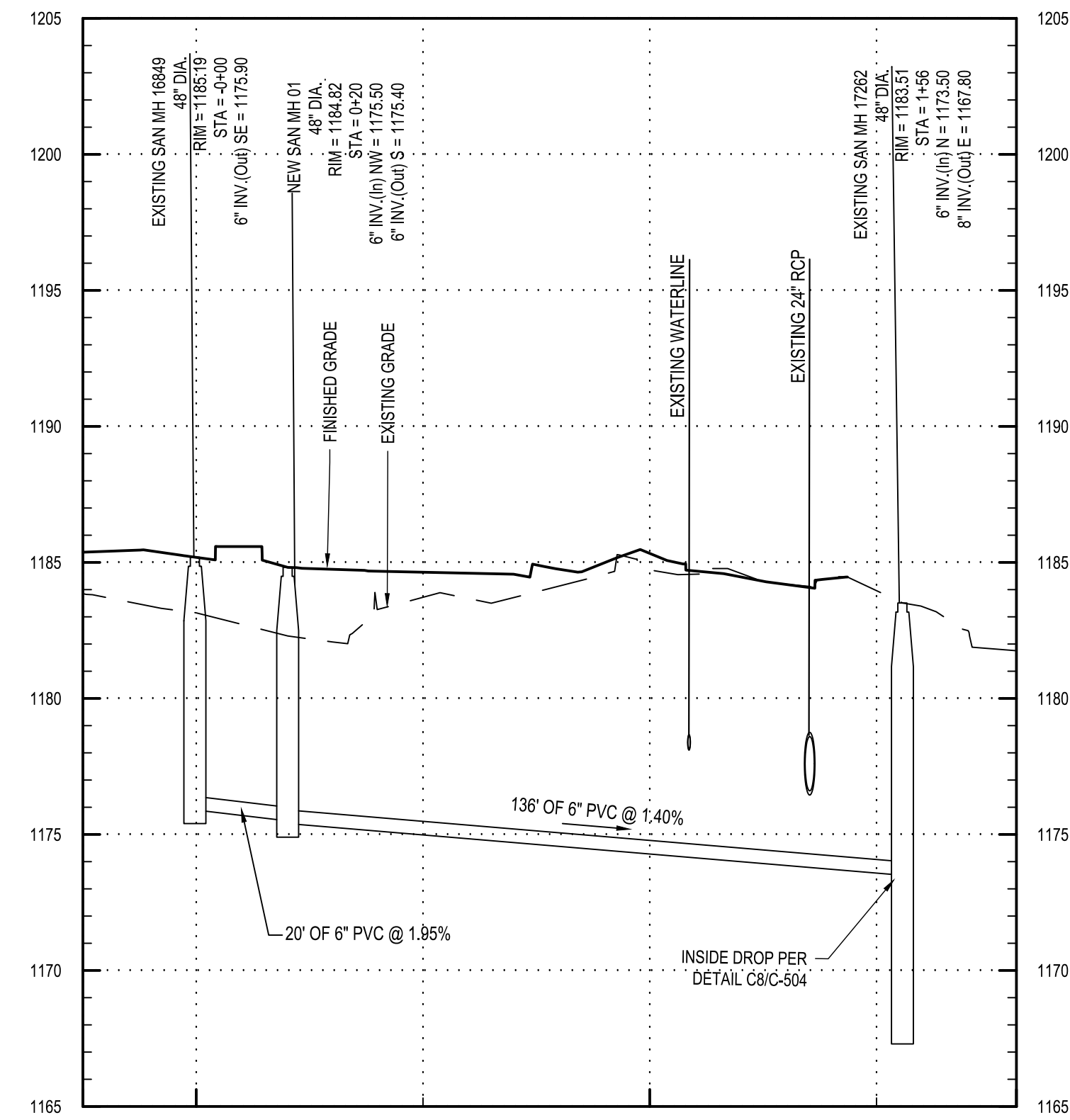
Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

Seal & Signature: **DASNY Project No: 354360**

Drawing Number: **C-406**
 Drawing 48 of 66



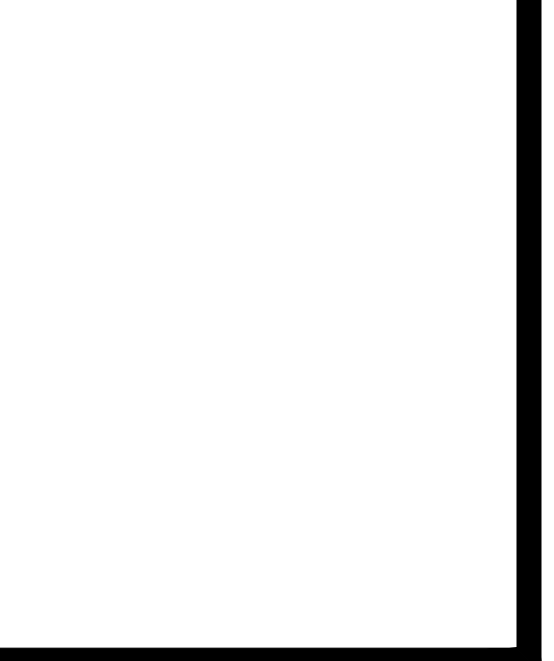


EXISTING SAN MH 16849 TO NEW SAN MH 1 TO EXISTING SAN MH 17262

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 C&S Engineers, Inc.
 499 Col. Eileen Collins Blvd.
 Syracuse, New York 13212
 Phone: 315-455-2000
 Fax: 315-455-9667

Project Key



REVISIONS

Rev No	Description	Date:

NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

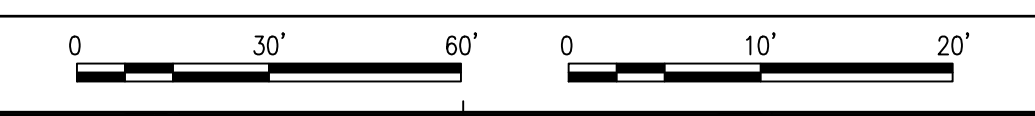
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SANITARY SEWER PROFILES

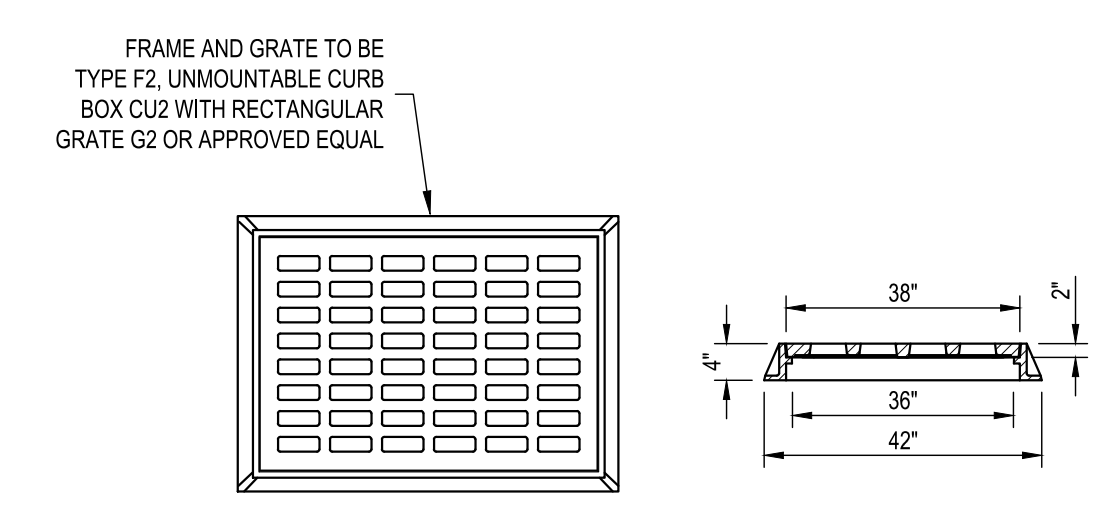
Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

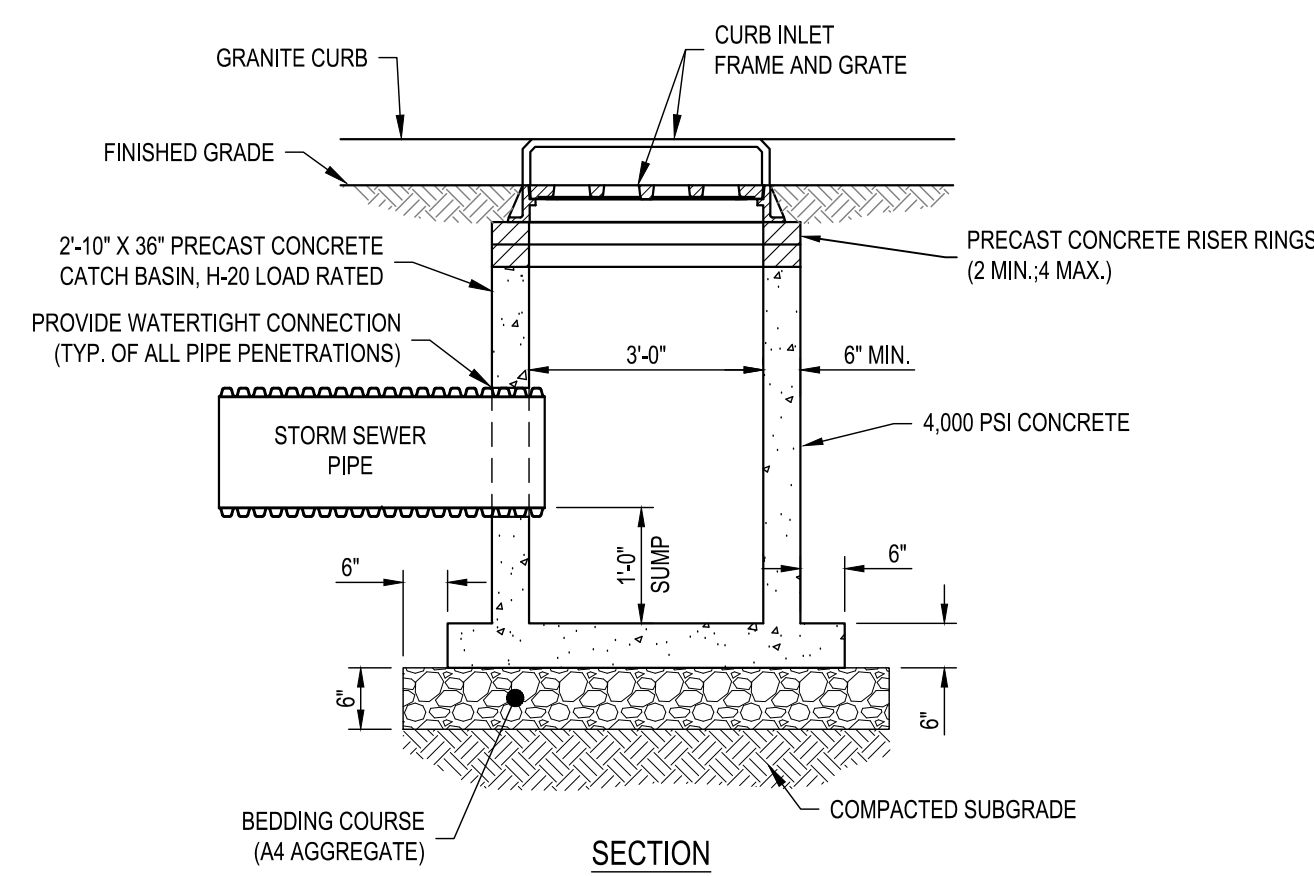
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Drawing Number **C-407**
 Drawing 49 of 66





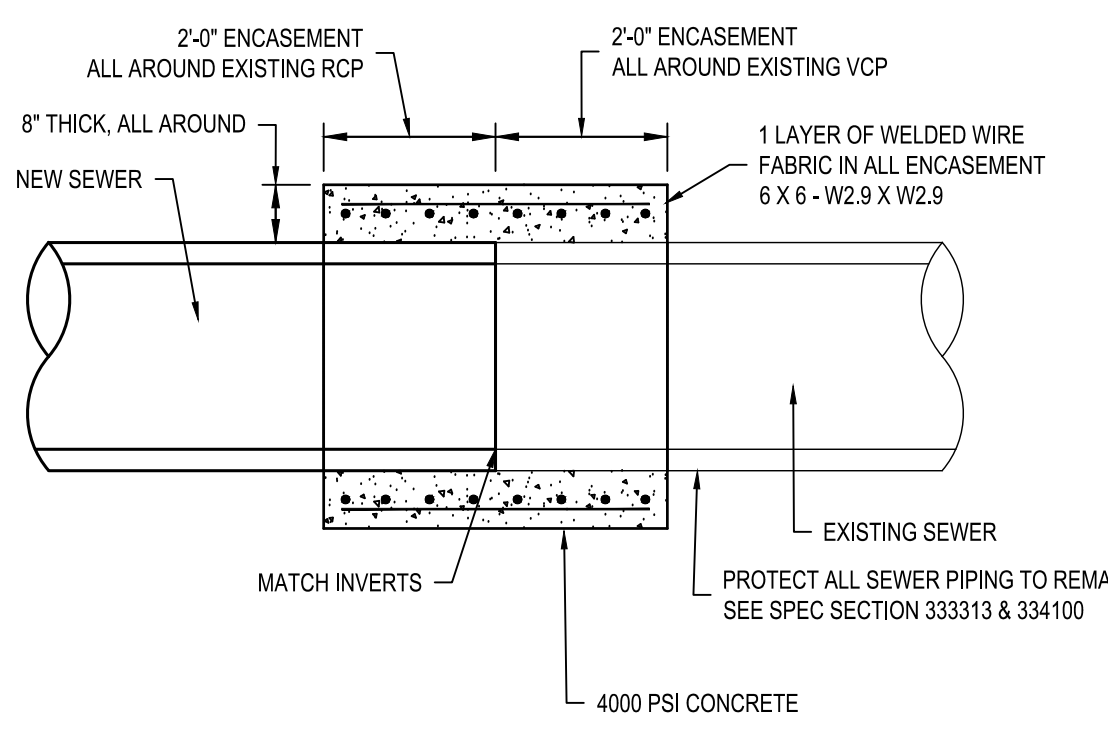
CATCH BASIN FRAME AND GRATE



SECTION

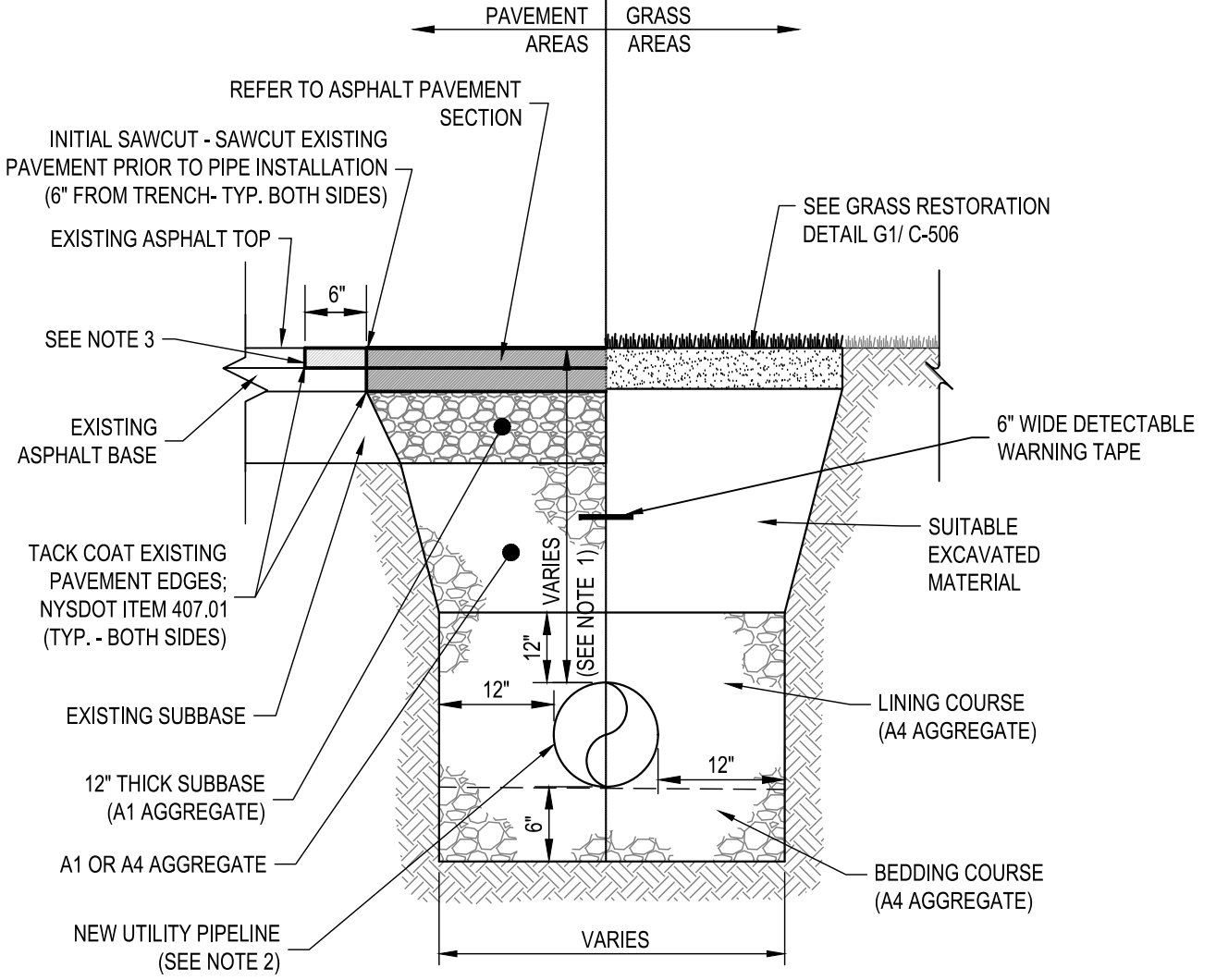
NOTE:
 1. PROVIDE BICYCLE SAFE GRATES AT STRUCTURE LOCATIONS IN PEDESTRIAN TRAVELED AREAS.

E1 TYPICAL 2'-10"X3' CURB INLET CATCH BASIN
 SCALE: NOT TO SCALE



SECTION

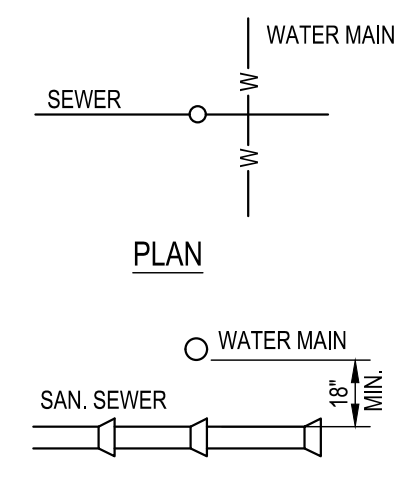
E3 SEWER PIPE CONNECTION DETAIL
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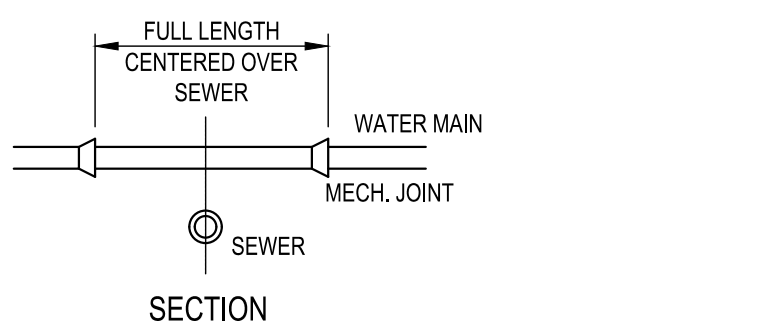
SECTION

NOTES:
 1.) REFER TO PROFILES FOR UTILITY PIPING DEPTHS.
 2.) THIS UTILITY PIPING DETAIL IS FOR THE CONSTRUCTION OF NEW STORM PIPING.
 3.) FINAL SAWCUT - SAWCUT EXISTING PAVEMENT PRIOR TO FINAL PAVING (6" FROM INITIAL SAWCUT - TYP. BOTH SIDES)

E5 TYPICAL PIPE TRENCH DETAIL
 SCALE: NOT TO SCALE

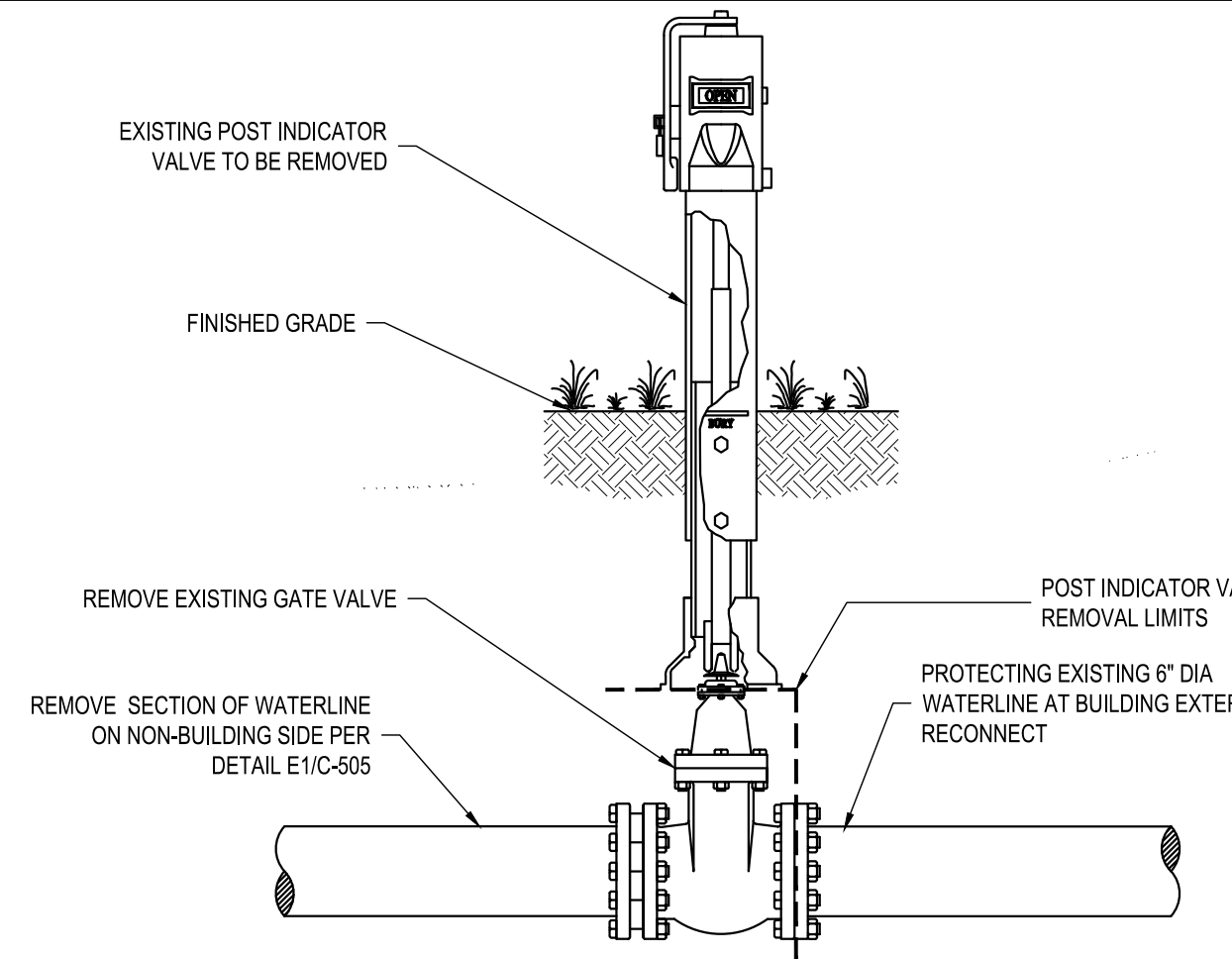


PLAN



SECTION

G8 SEWER & WATER MAIN SEPARATION DETAIL
 SCALE: NOT TO SCALE



SECTION

E8 POST INDICATOR VALVE REMOVAL DETAIL
 SCALE: NOT TO SCALE

Project Key

REVISIONS

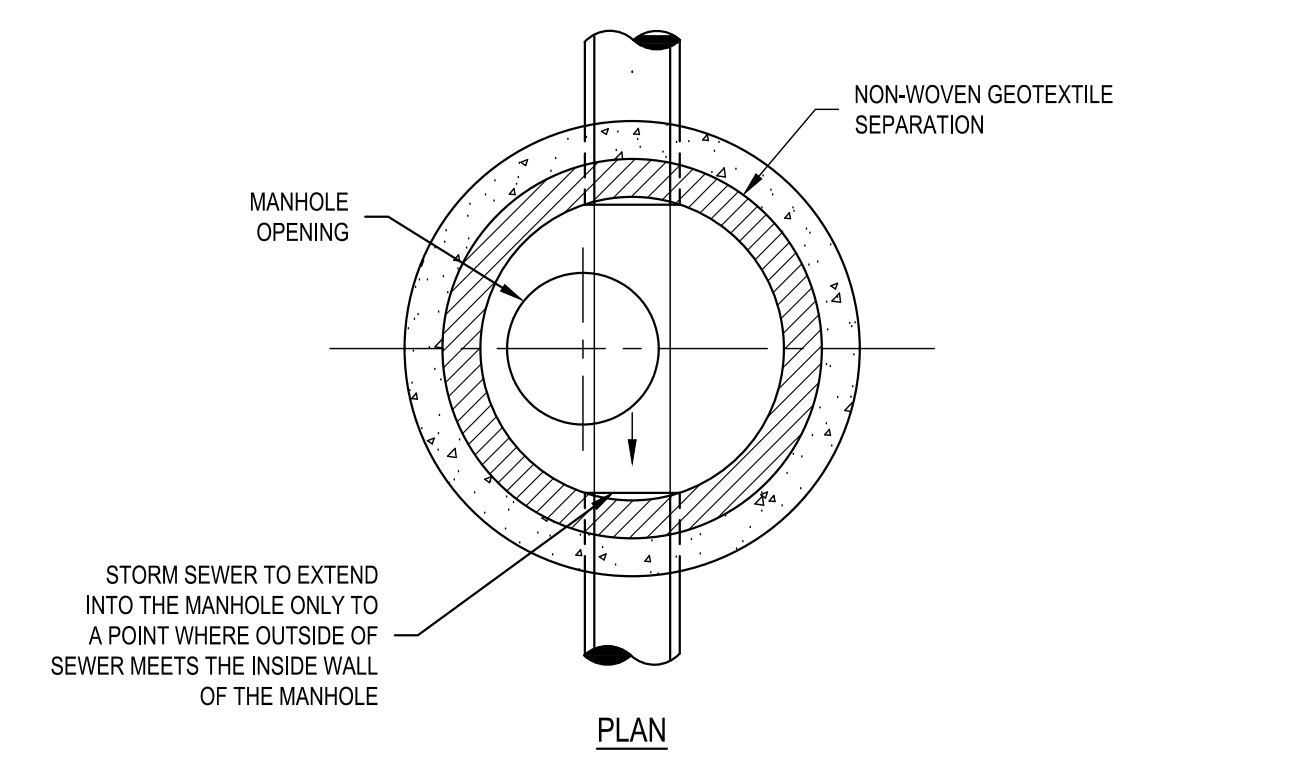
Rev. No.	Description	Date:

NEW YORK STATE OF OPPORTUNITY Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208
 Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

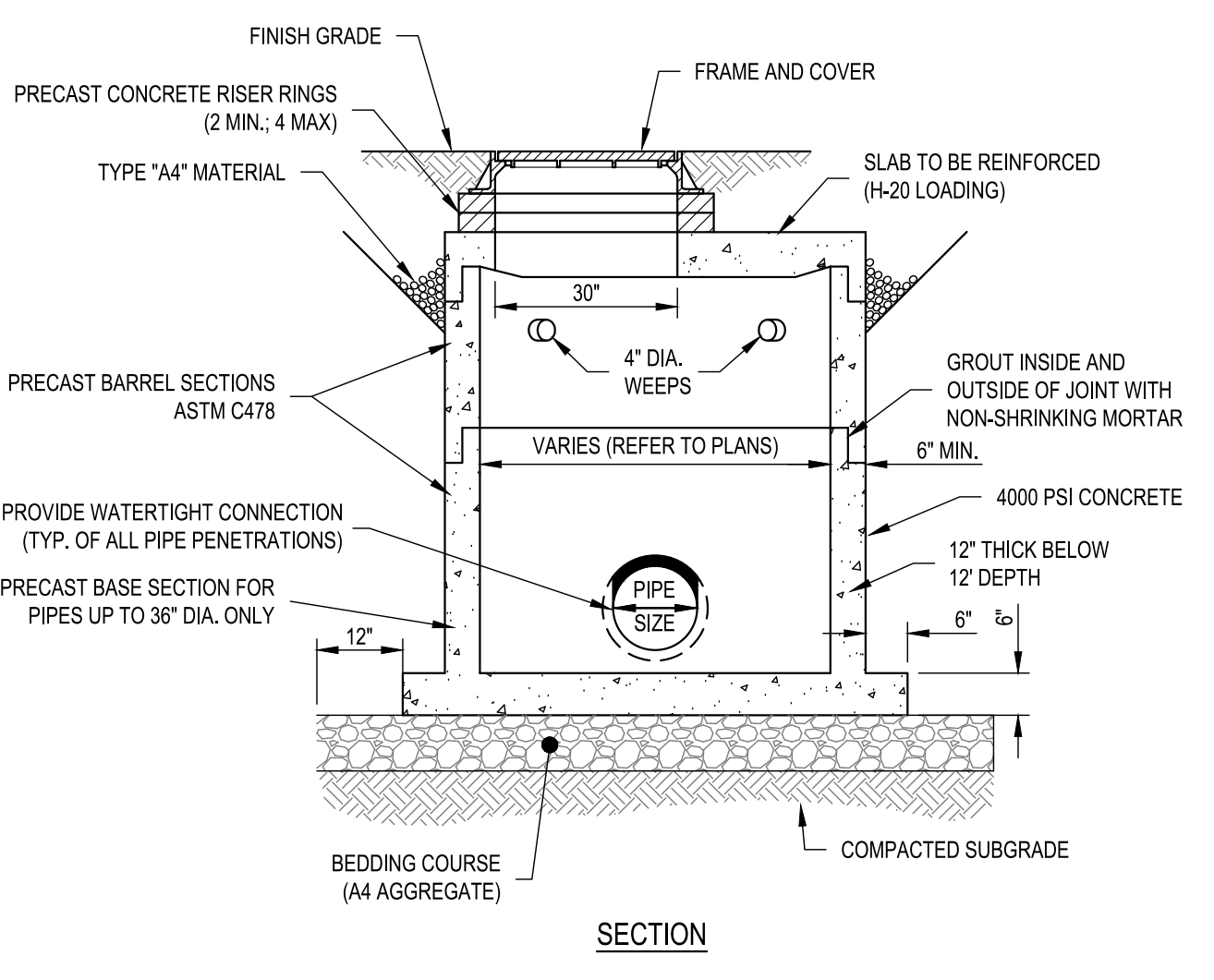
Drawing Title
DETAILS

Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**
 Seal & Signature: **DASNY Project No: 354360**
 Drawing Number: **C-501**
 Drawing of 66

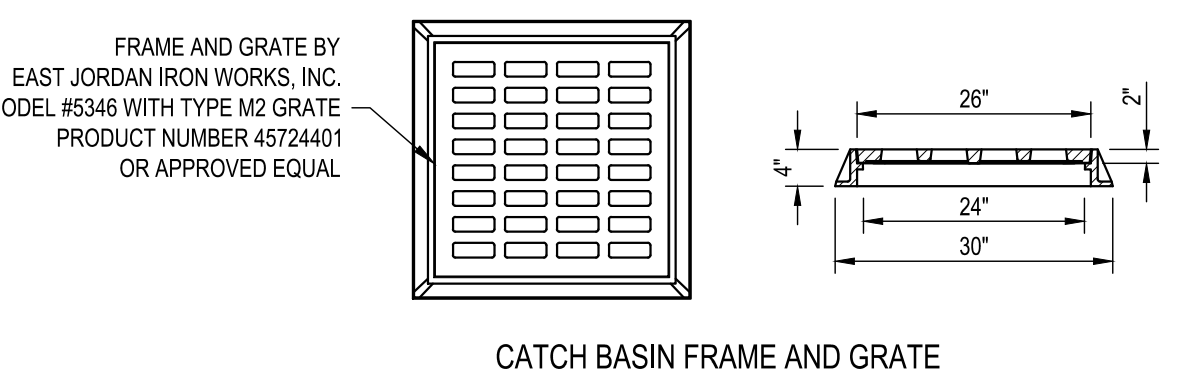


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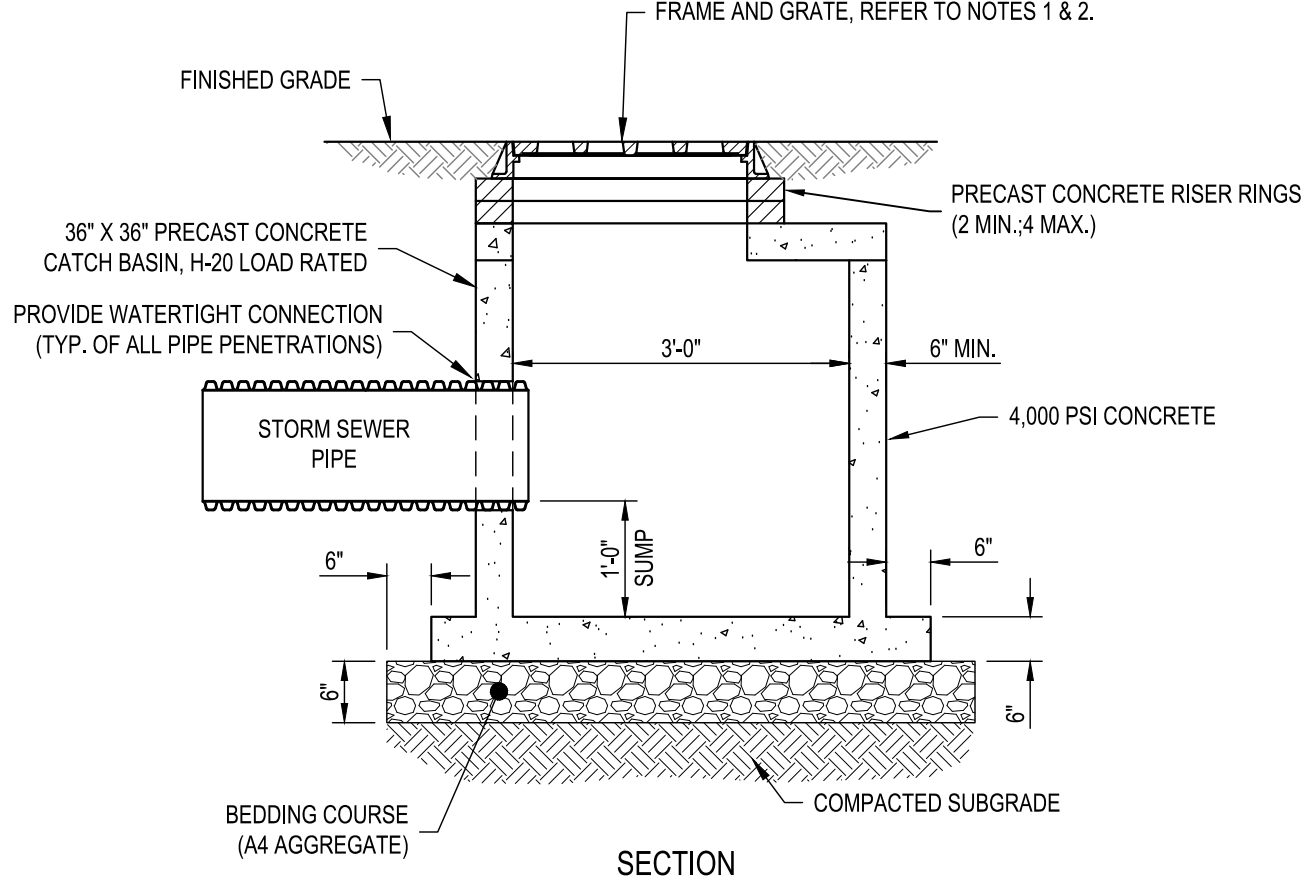


SECTION

A1 TYPICAL STORM MANHOLE DETAIL
 SCALE: NOT TO SCALE



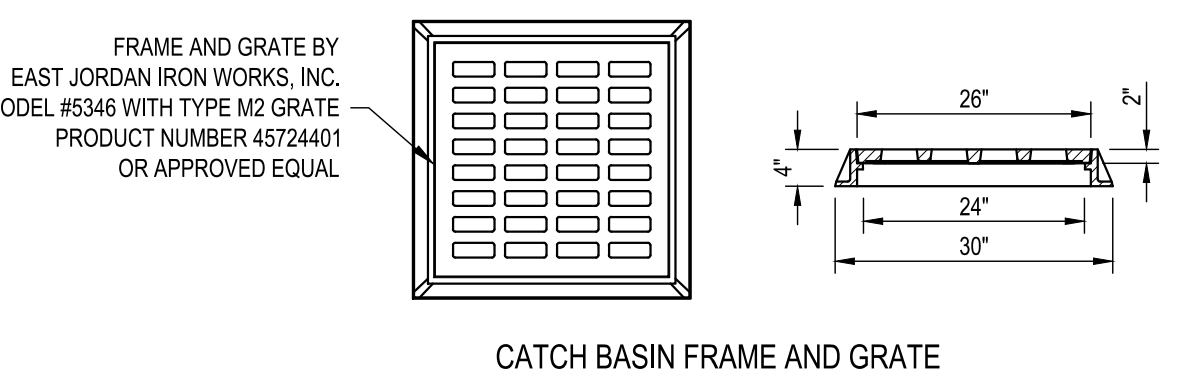
CATCH BASIN FRAME AND GRATE



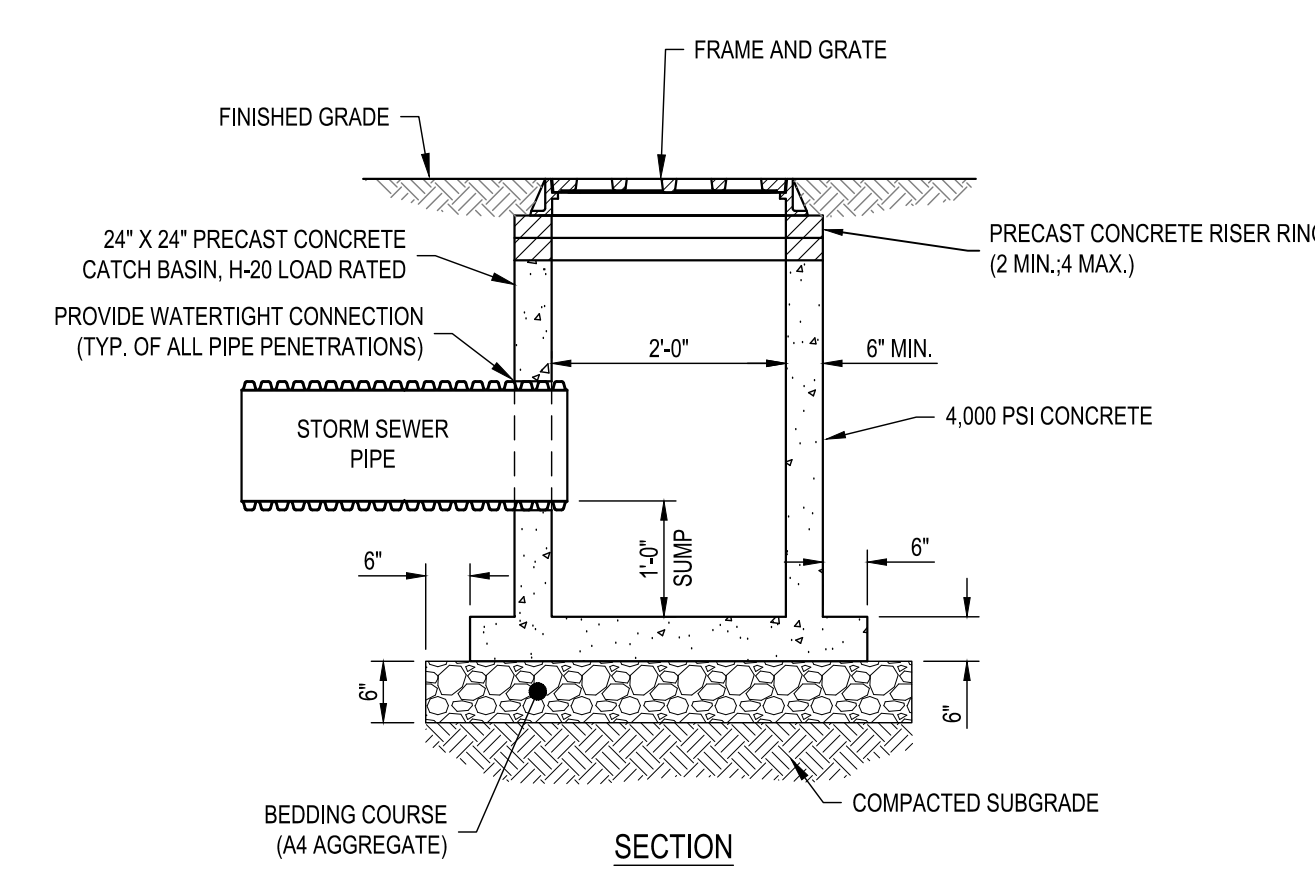
SECTION

NOTES:
 1. PROVIDE ADA HEEL SAFE GRATES AT STRUCTURE LOCATIONS IN PEDESTRIAN TRAVELED AREAS (REFER TO DETAIL C1C-508 FOR LOCATIONS).
 2. AT DRAINAGE STRUCTURES LOCATED IN BIORETENTION/RAIN GARDEN AREAS (CB2-15 AND CB 2-16), PROVIDE A BEEHIVED OR DOMED GRATE.

A3 TYPICAL 3'X3' CATCH BASIN
 SCALE: NOT TO SCALE



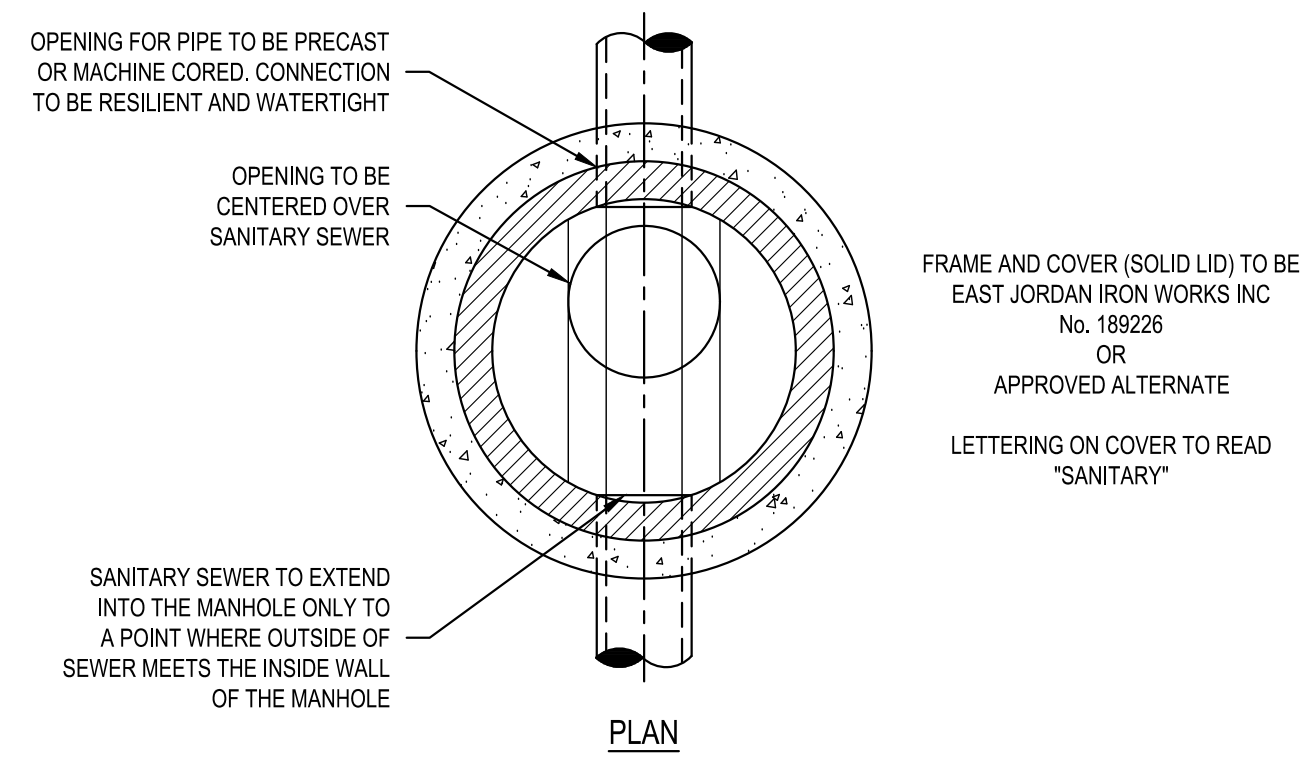
CATCH BASIN FRAME AND GRATE



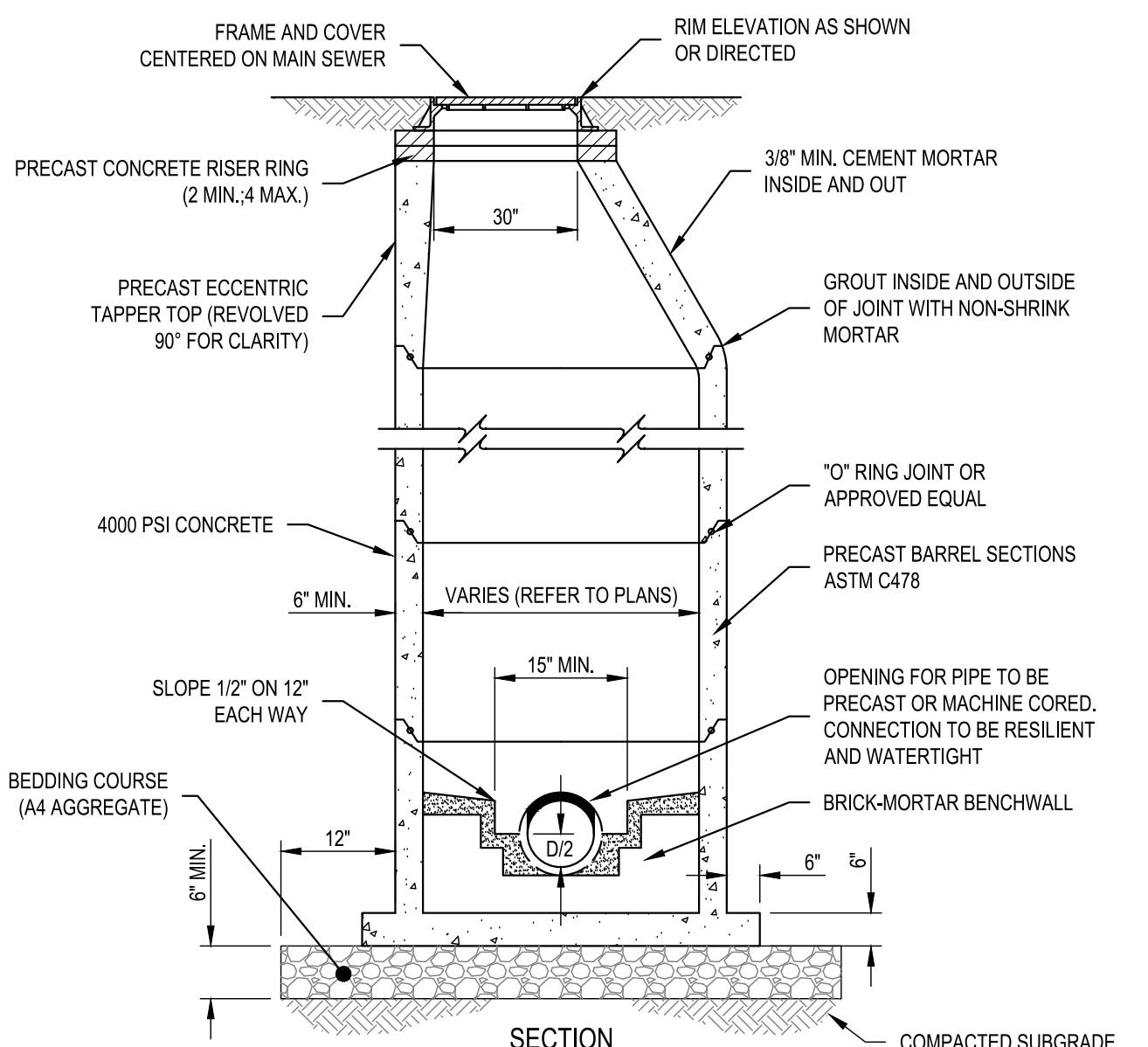
SECTION

NOTE:
 1. PROVIDE ADA HEEL SAFE GRATES AT STRUCTURE LOCATIONS IN PEDESTRIAN TRAVELED AREAS (REFER TO DETAIL C1C-508 FOR LOCATIONS).

A5 TYPICAL 2'X2' CATCH BASIN
 SCALE: NOT TO SCALE

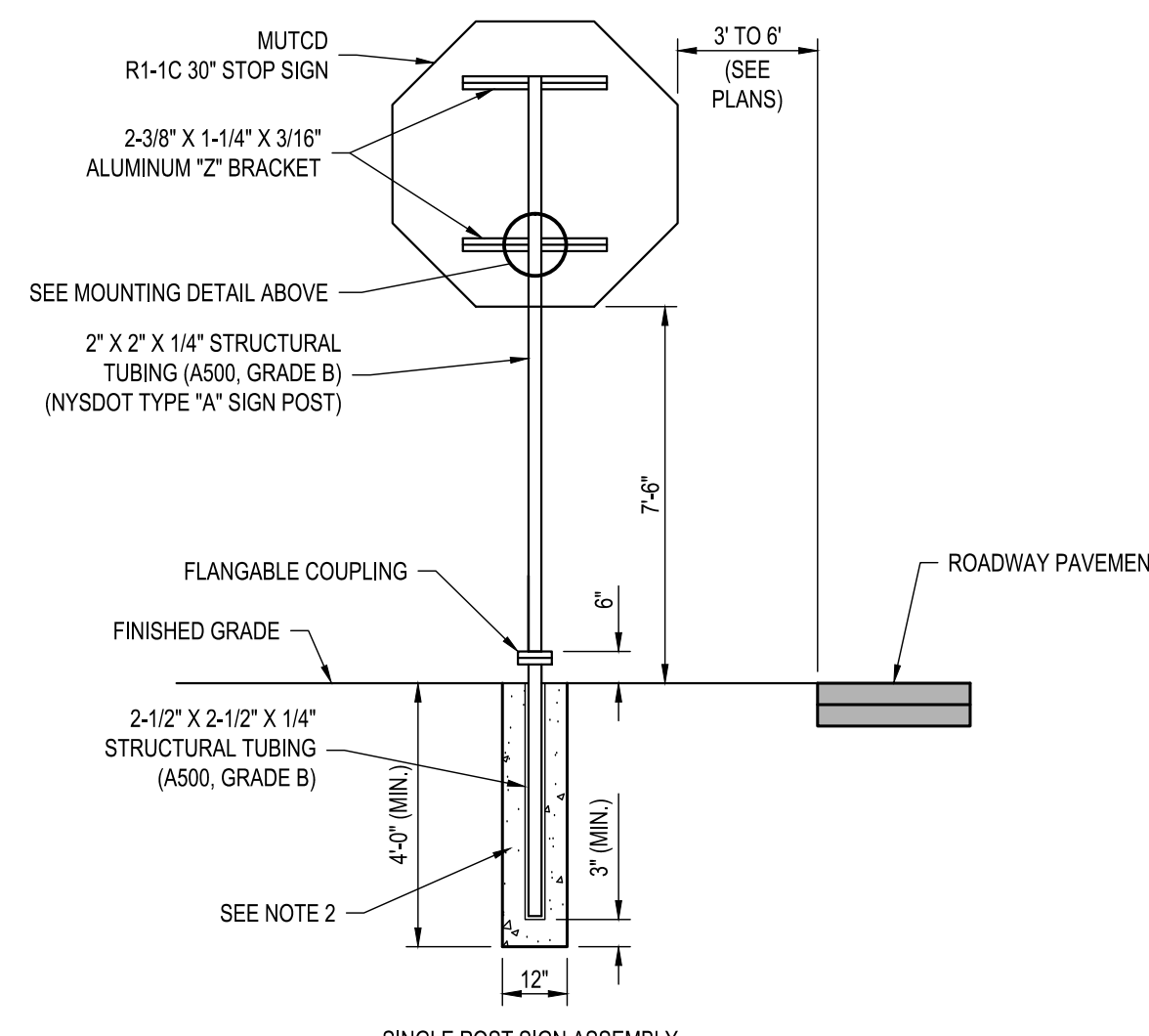
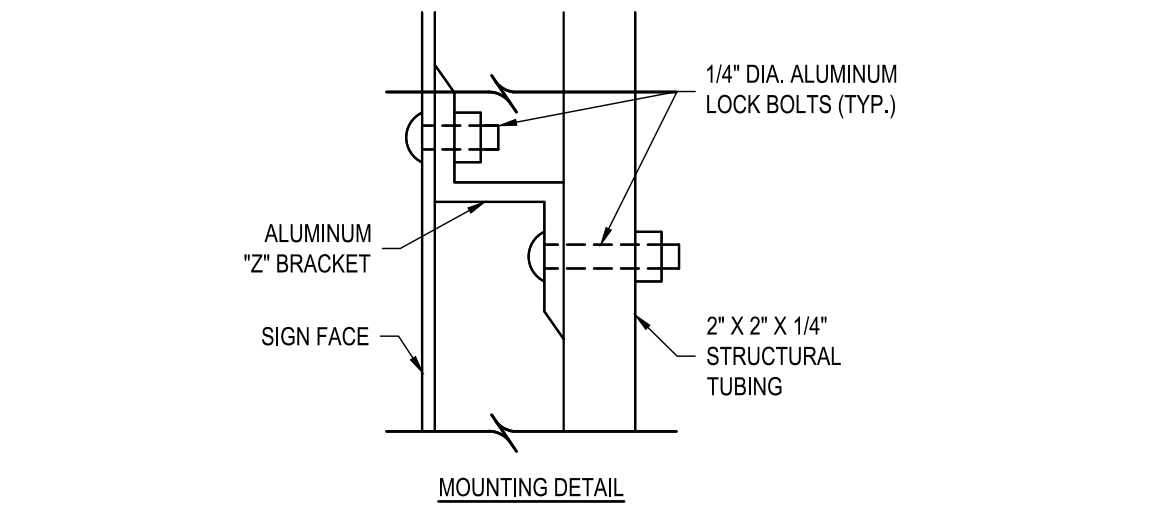


PLAN



SECTION

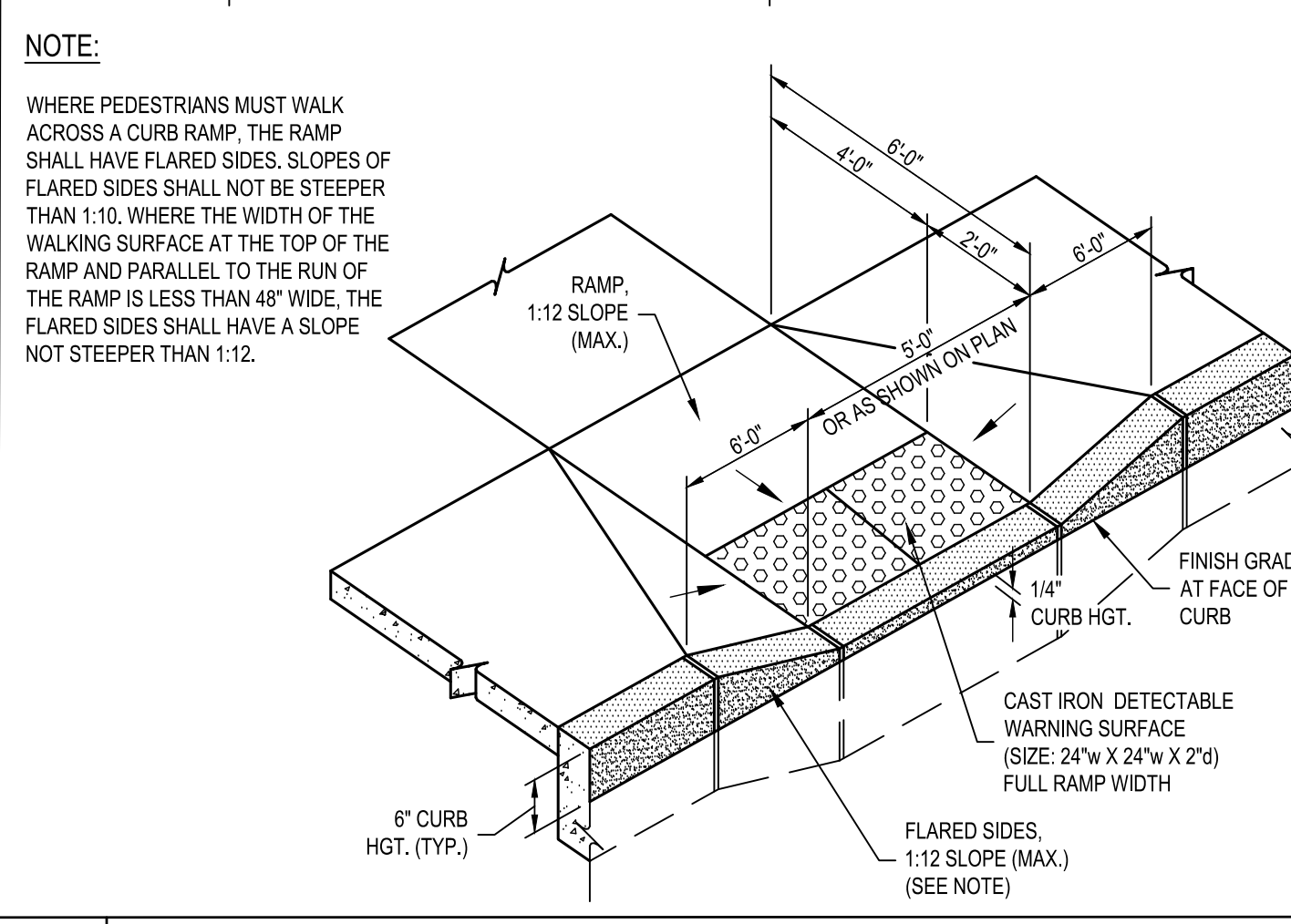
A8 TYPICAL PRECAST CONC. SANITARY SEWER MANHOLE
 SCALE: NOT TO SCALE



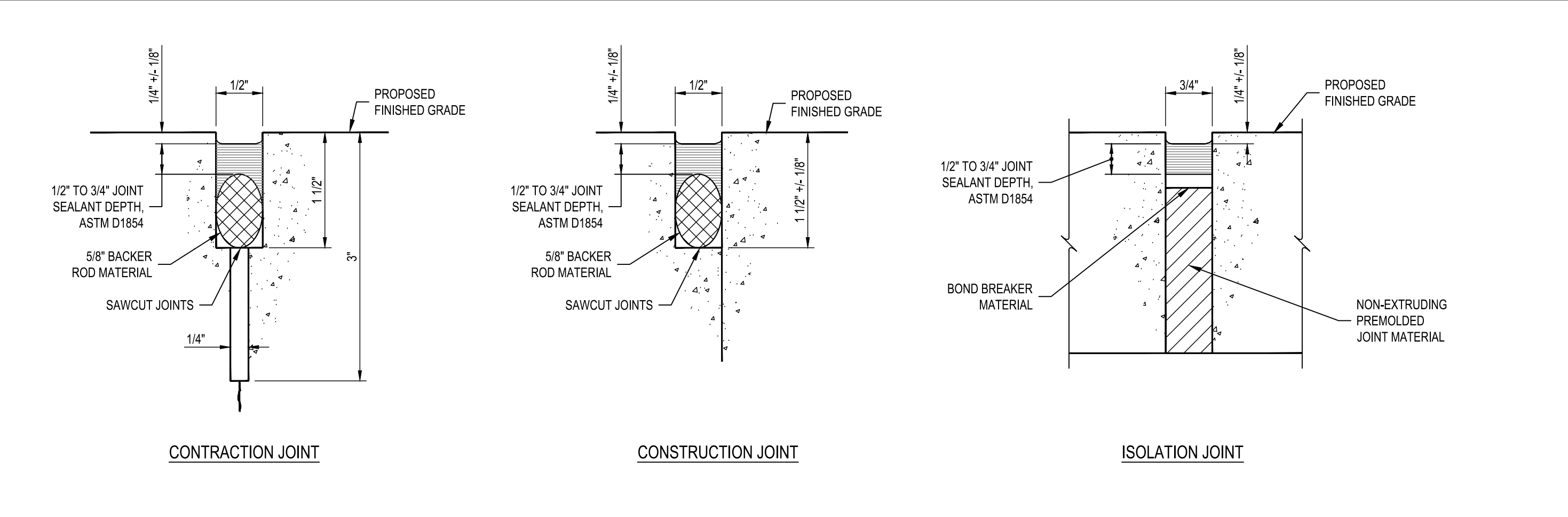
- NOTES:**
- SIGNS SHALL CONFORM IN SIZE, APPEARANCE AND REFLECTORIZATION TO THE REQUIREMENTS OF THE NATIONAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), WITH NEW YORK STATE SUPPLEMENTS.
 - NYSDOT TYPE "A" SIGN POSTS SHALL BE INSTALLED INTO THE GROUND SO THAT THEY PROVIDE A MOMENT CAPACITY OF 2,100 FT-LBS PER POST/AS PER NYSDOT STANDARD SPECIFICATIONS SECTION 645-2). IF SOFT SOILS ARE ENCOUNTERED, SIGN POST BASE SHALL BE INSTALLED WITH A SOIL PLATE OR IN 2,500 PSI CONCRETE AS DIRECTED BY OWNER'S REPRESENTATIVE.
 - CONTRACTOR TO COORDINATE SIGN POST LOCATIONS WITH UNDERGROUND UTILITIES.

SIGNAGE TABLE				
SIGN (N.M.U.T.C.D. #)	BACKGROUND & LEGEND COLOR	SIGN SIZE	QTY.	LOCATION
(R1-1C)	RED BACKGROUND WHITE LEGEND	30" X 30"	7	—
(R5-1)	RED BACKGROUND WHITE LEGEND	30" X 30"	0	—
(W11-2)	GREEN BACKGROUND BLACK LEGEND	36" X 36"	3	—
(W11-2L) (W11-2R) (W16-7PL) (W16-7PR)	GREEN BACKGROUND BLACK LEGEND	36" X 36"	5	—
(R7-8 MOD)	WHITE BACKGROUND GREEN LEGEND BLUE & WHITE SYMBOL	12" X 18"	16	—
(R7-4)	WHITE BACKGROUND RED LEGEND	12" X 18"	14	—
(R7-107)	WHITE BACKGROUND RED LEGEND	12" X 18"	0	—
(NFPA 170 HYDRANT MARKER SIGN)	RED BACKGROUND WHITE LEGEND	12" X 18"	6	—

SIGNAGE TABLE				
SIGN (N.M.U.T.C.D. #)	BACKGROUND & LEGEND COLOR	SIGN SIZE	QTY.	LOCATION
(NYP-7)	WHITE BACKGROUND RED LEGEND	12" X 18"	0	—
(R1-5R)	WHITE BACKGROUND RED/BLACK LEGEND	30" X 30"	1	—
(R7-8 MOD)	WHITE BACKGROUND GREEN LEGEND BLUE & WHITE SYMBOL	12" X 18"	4	—

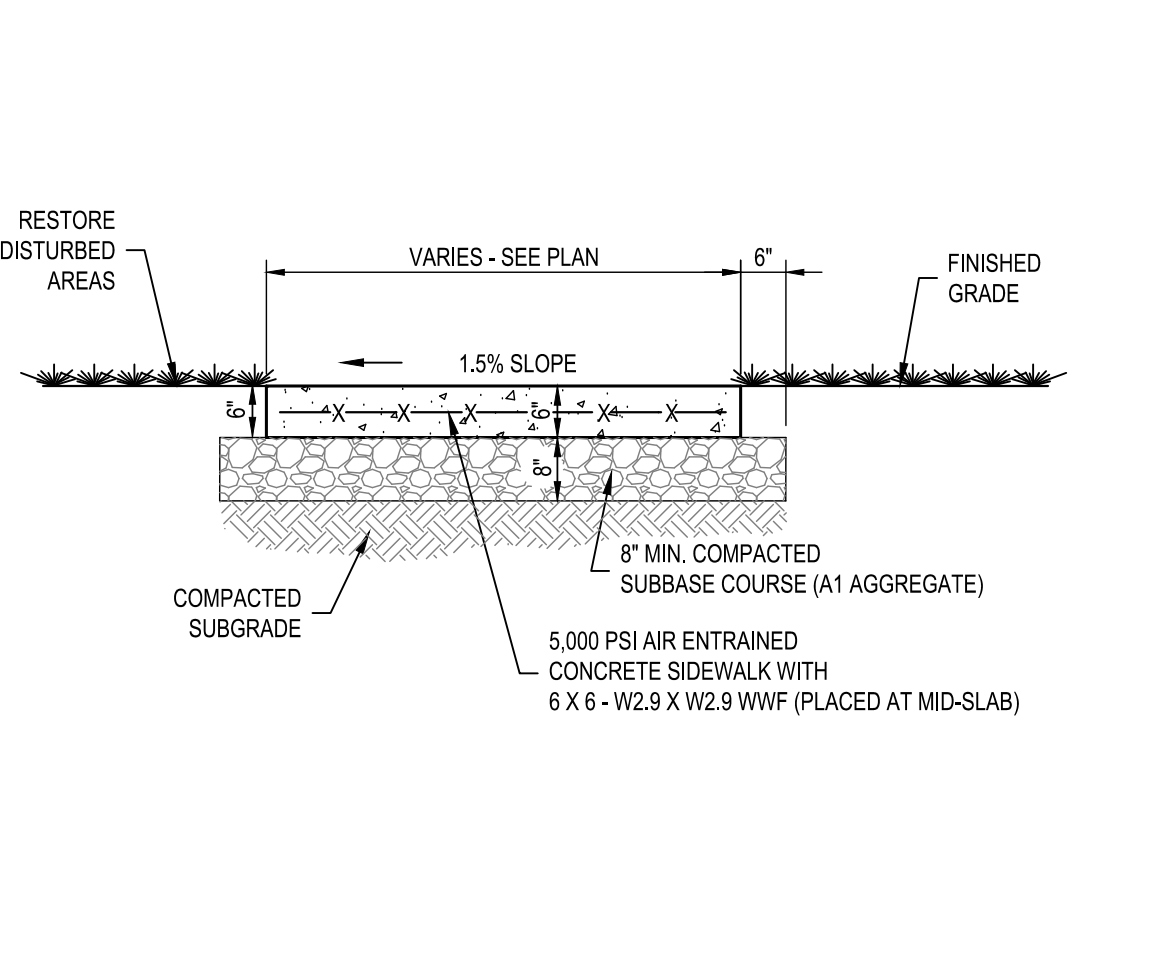


G8 TYPICAL CURB RAMP DETAIL
 SCALE: NOT TO SCALE

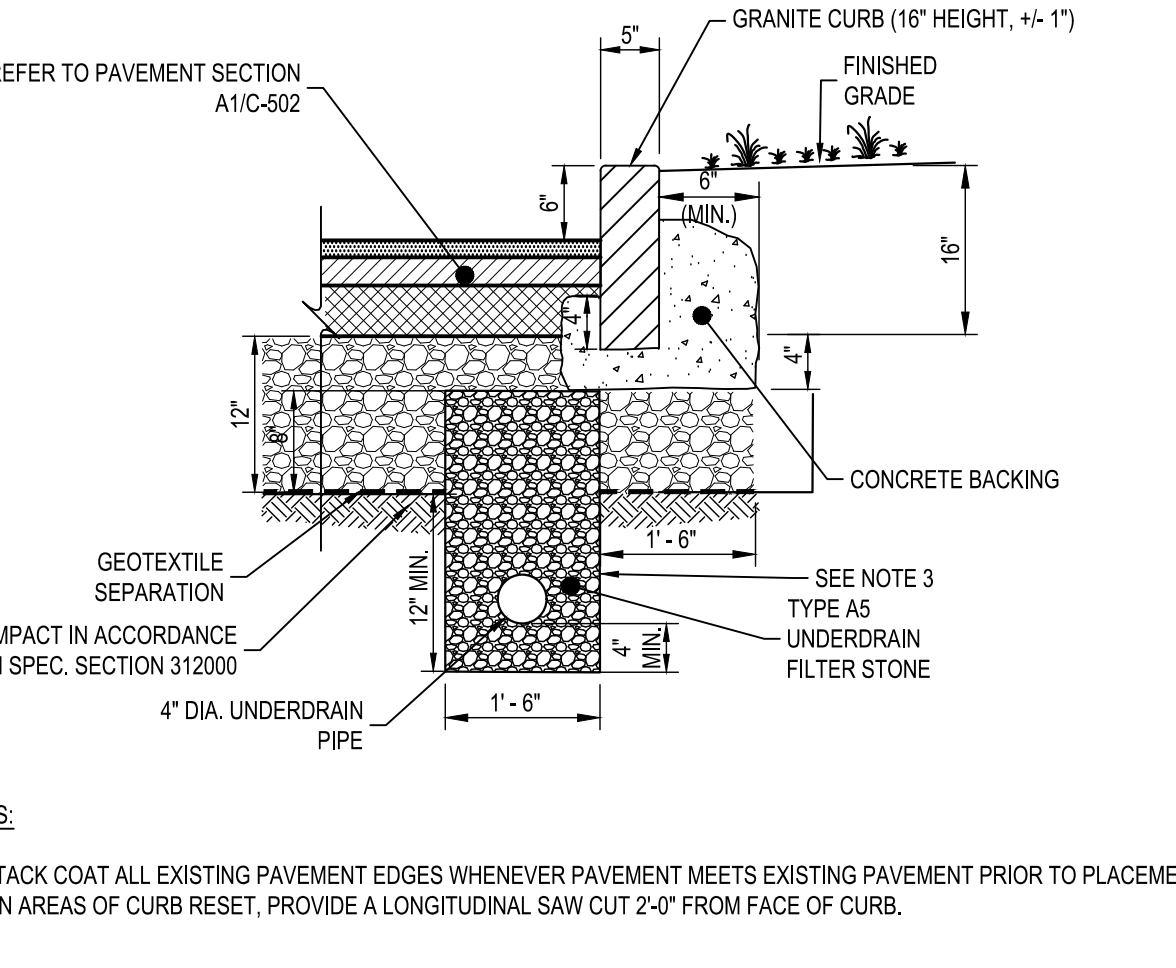


E5 TYPICAL CONCRETE JOINT DETAILS
 SCALE: NOT TO SCALE

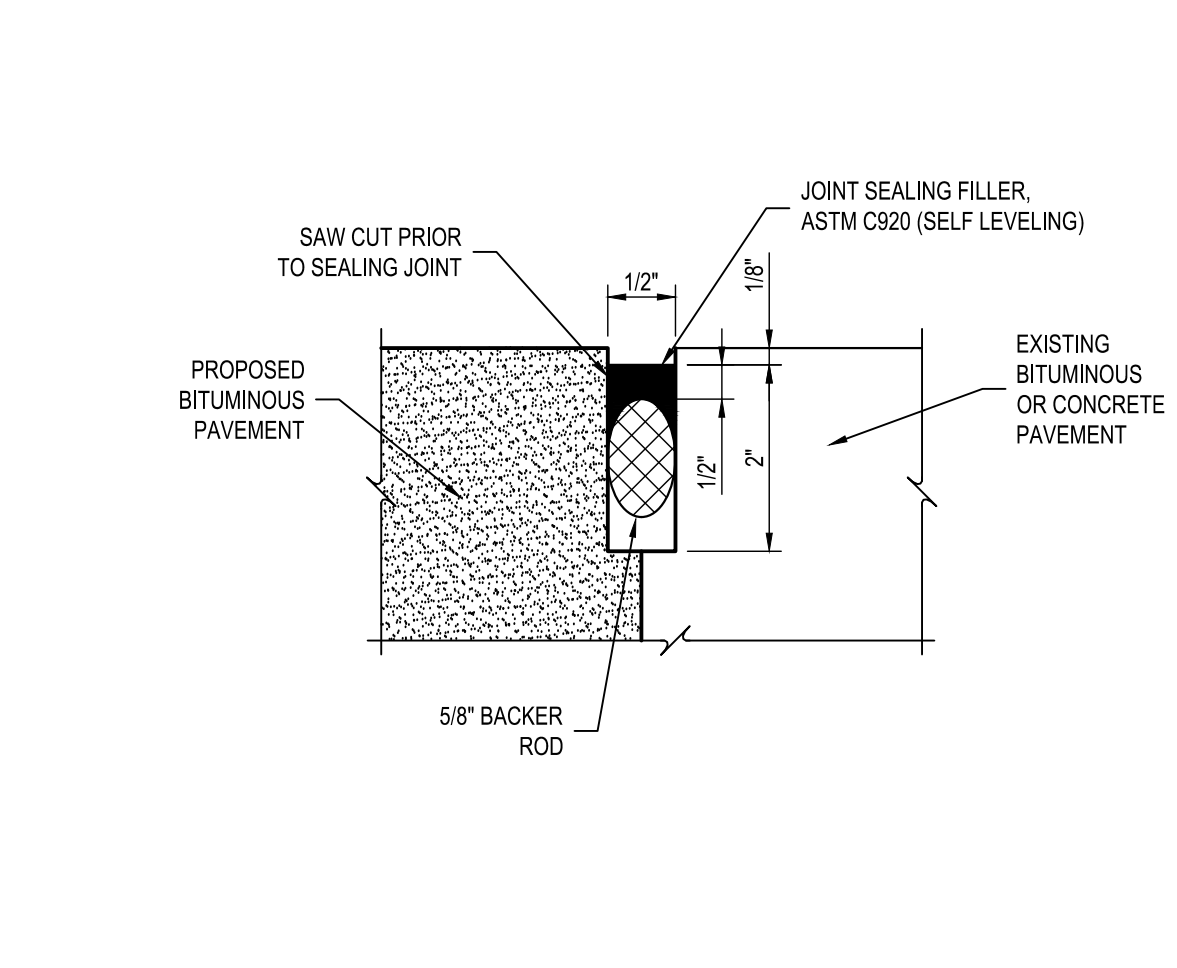
E1 ROADWAY SIGNAGE DETAILS
 SCALE: NOT TO SCALE



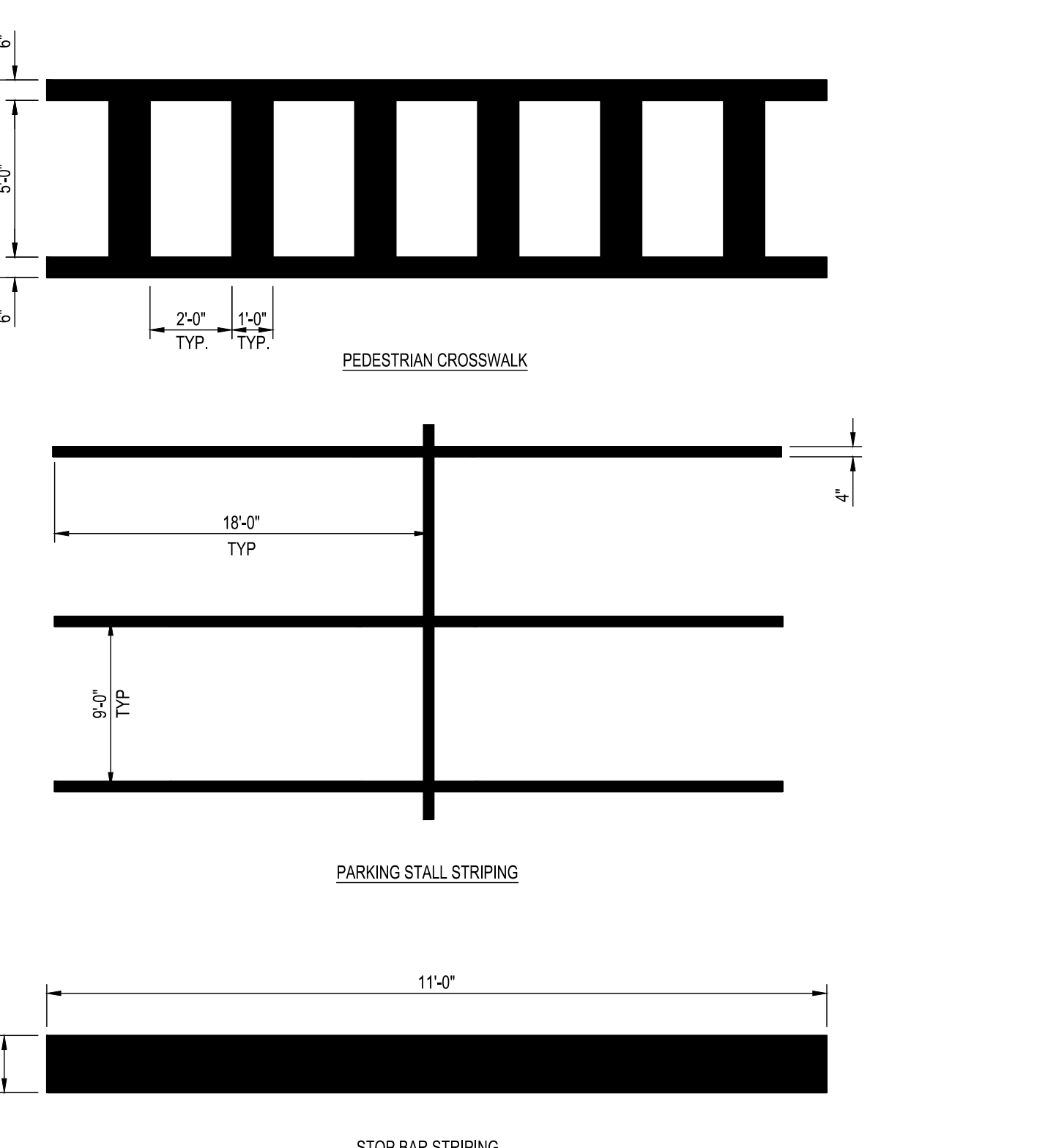
C1 TYPICAL MEDIUM DUTY CONCRETE SIDEWALK DETAIL
 SCALE: NOT TO SCALE



C3 GRANITE CURB DETAIL
 SCALE: NOT TO SCALE



C5 JOINT SEALING DETAIL
 SCALE: NOT TO SCALE



- TYPICAL PAVEMENT MARKING NOTES:**
- ALL PAVEMENT MARKINGS SHALL BE PAINTED WITH NYSDOT APPROVED REFLECTIVE PAVEMENT MARKING AND BE PLACED IN ACCORDANCE WITH PART 3 OF THE 2009 FEDERAL MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE NEW YORK STATE SUPPLEMENT. LINE WIDTHS AND SPACING SHALL BE THE SAME AS DETAILED ON THIS SHEET.
 - AFTER THE CONTRACTOR HAS ESTABLISHED MARKING LINE POINTS FOR THE MARKINGS, AS PER NYSDOT SPEC. SECT. 640-3, BY PAINT OR OTHER APPROVED MEANS AND BEFORE THE REFLECTORIZED PAVEMENT MARKINGS ARE PLACED, THE OWNER'S REPRESENTATIVE SHALL REVIEW AND APPROVE OR REVISE THESE LOCATIONS TO MEET FIELD CONDITIONS. NECESSARY LOCATION ADJUSTMENTS WILL BE MADE PRIOR TO PLACING THE REFLECTORIZED PAVEMENT MARKINGS.

A8 PAVEMENT MARKING DETAILS & NOTES
 SCALE: NOT TO SCALE

A1 TYPICAL HOT MIX ASPHALT PAVEMENT SECTION
 SCALE: NOT TO SCALE

A3 TYPICAL FULL DEPTH PAVEMENT KEYING DETAIL
 SCALE: NOT TO SCALE

A5 HANDICAP SYMBOL MARKING DETAIL
 SCALE: NOT TO SCALE

Project Key

REVISIONS

Rev No	Description	Date

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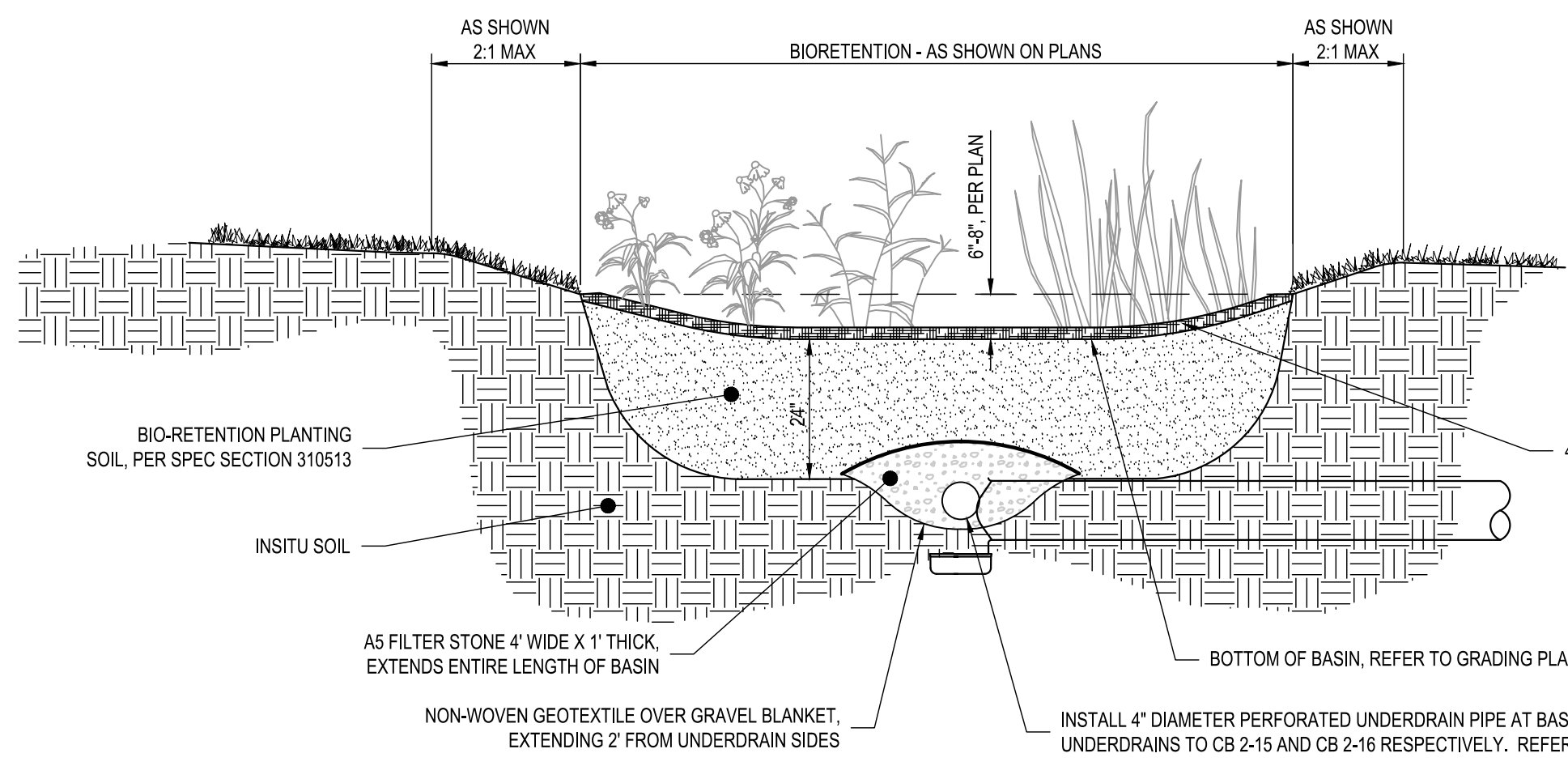
Phase
BID DOCUMENTS

Drawn By: NJS **Checked By:** DHW **Date:** 9/20/2024

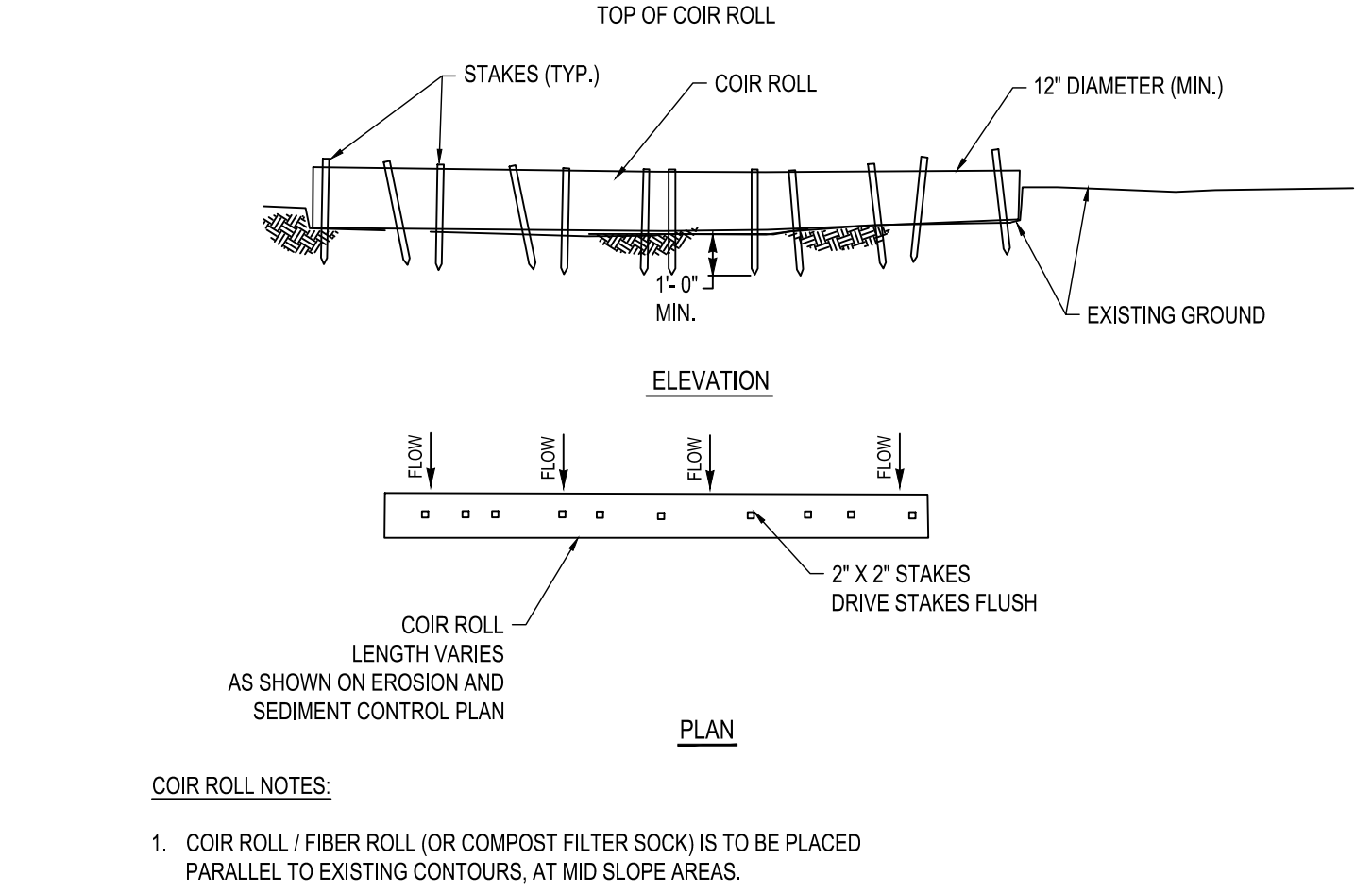
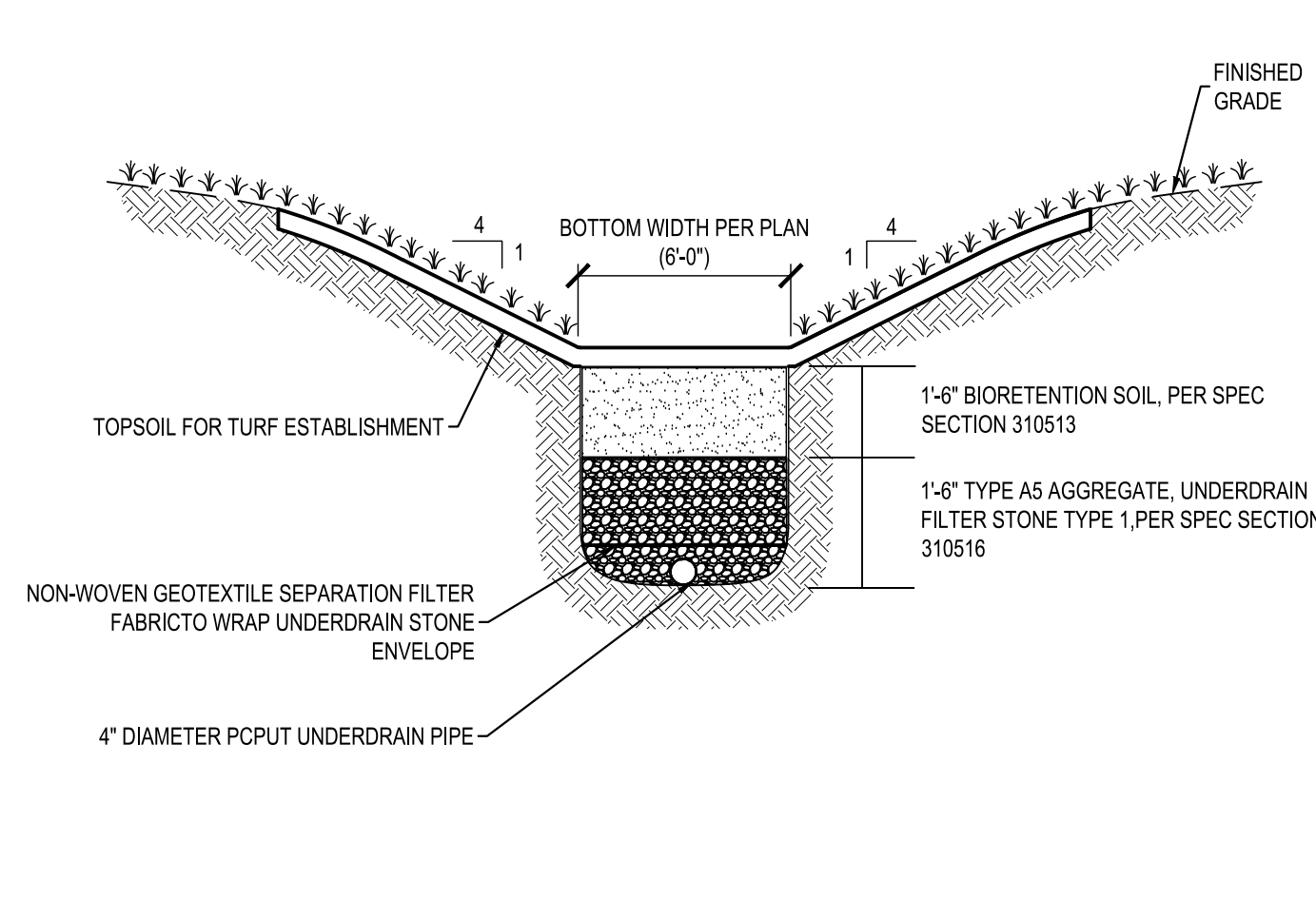
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Drawing Number: C-502

Scale: 1" = 1'-0"

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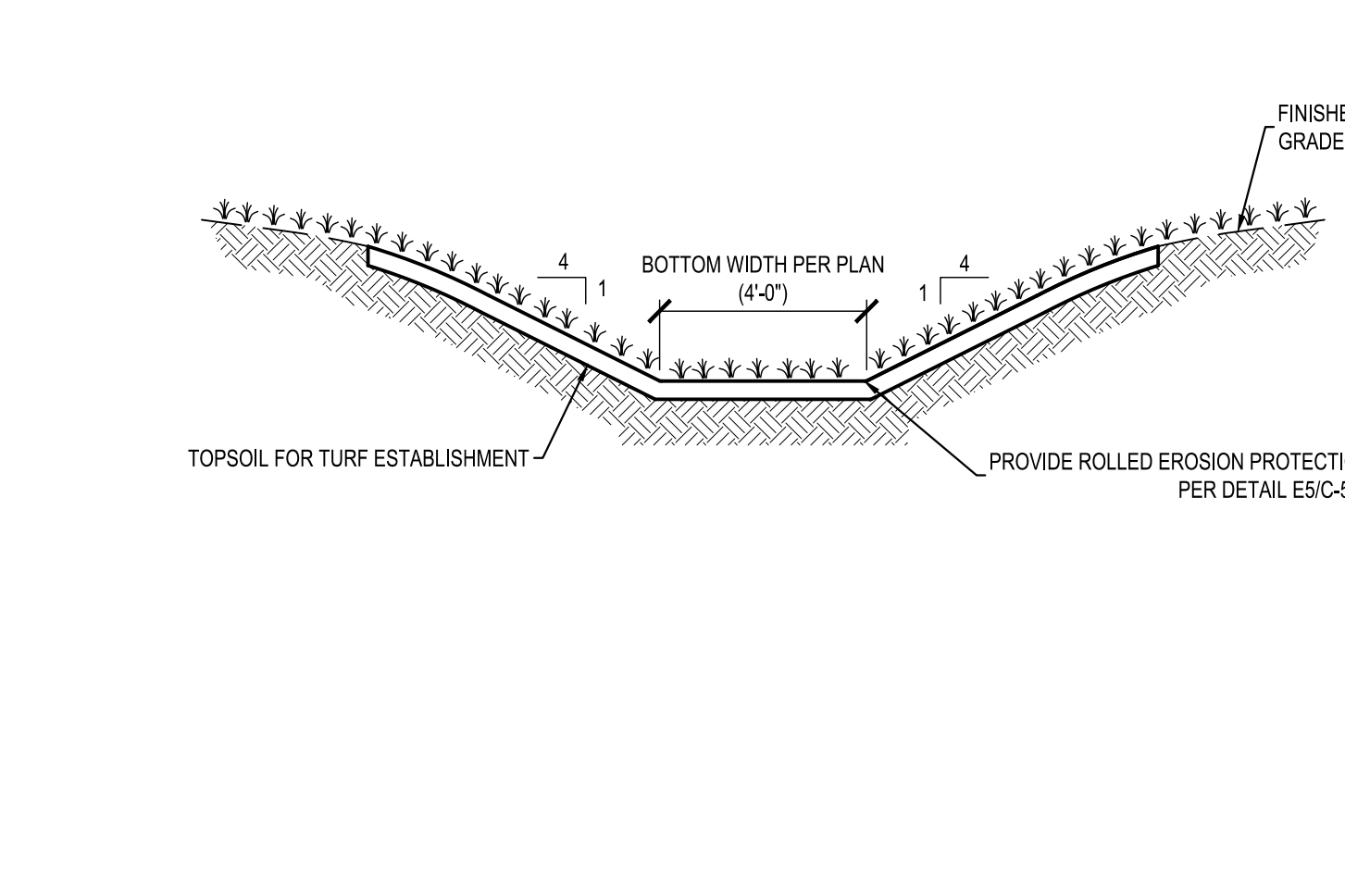
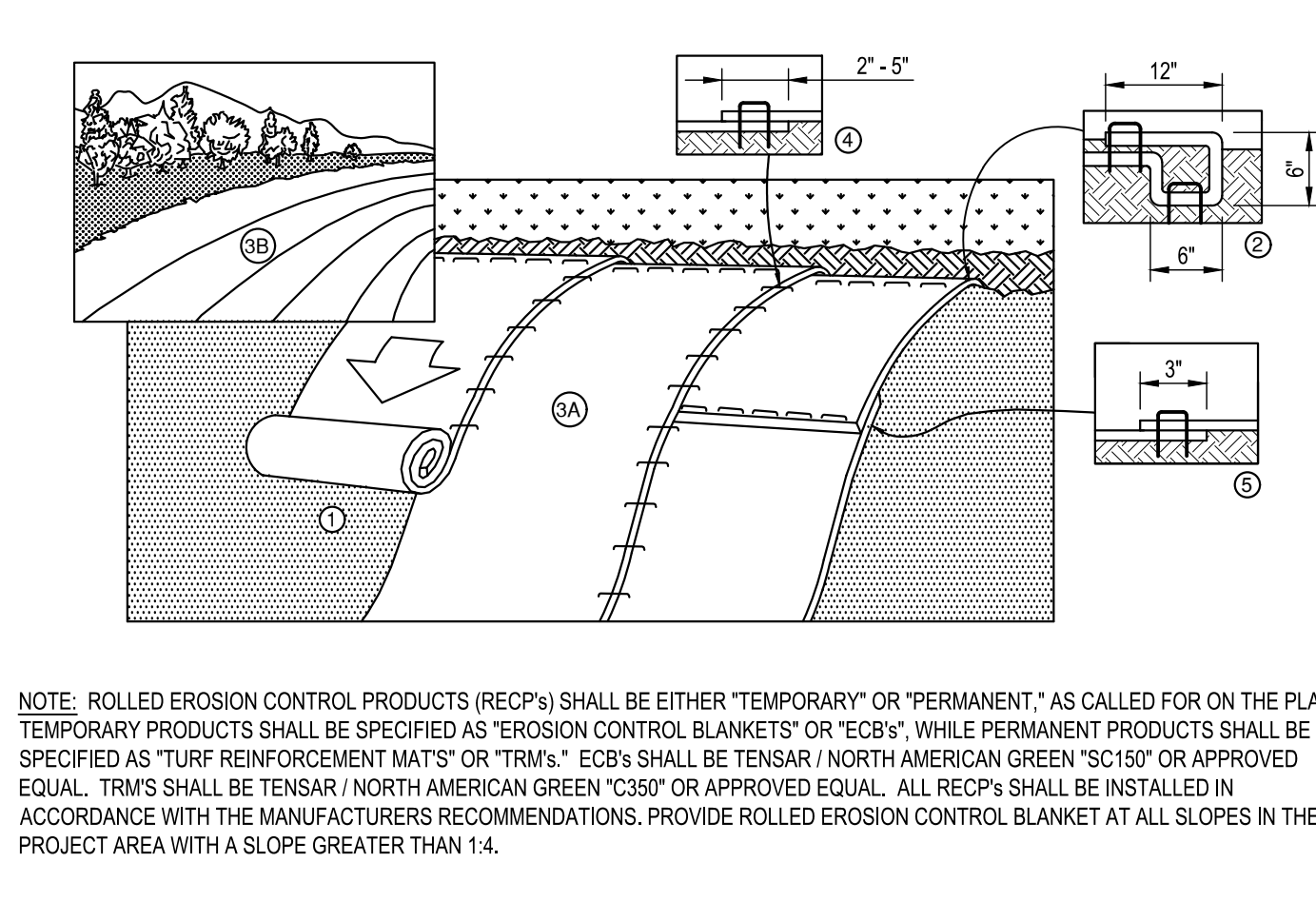
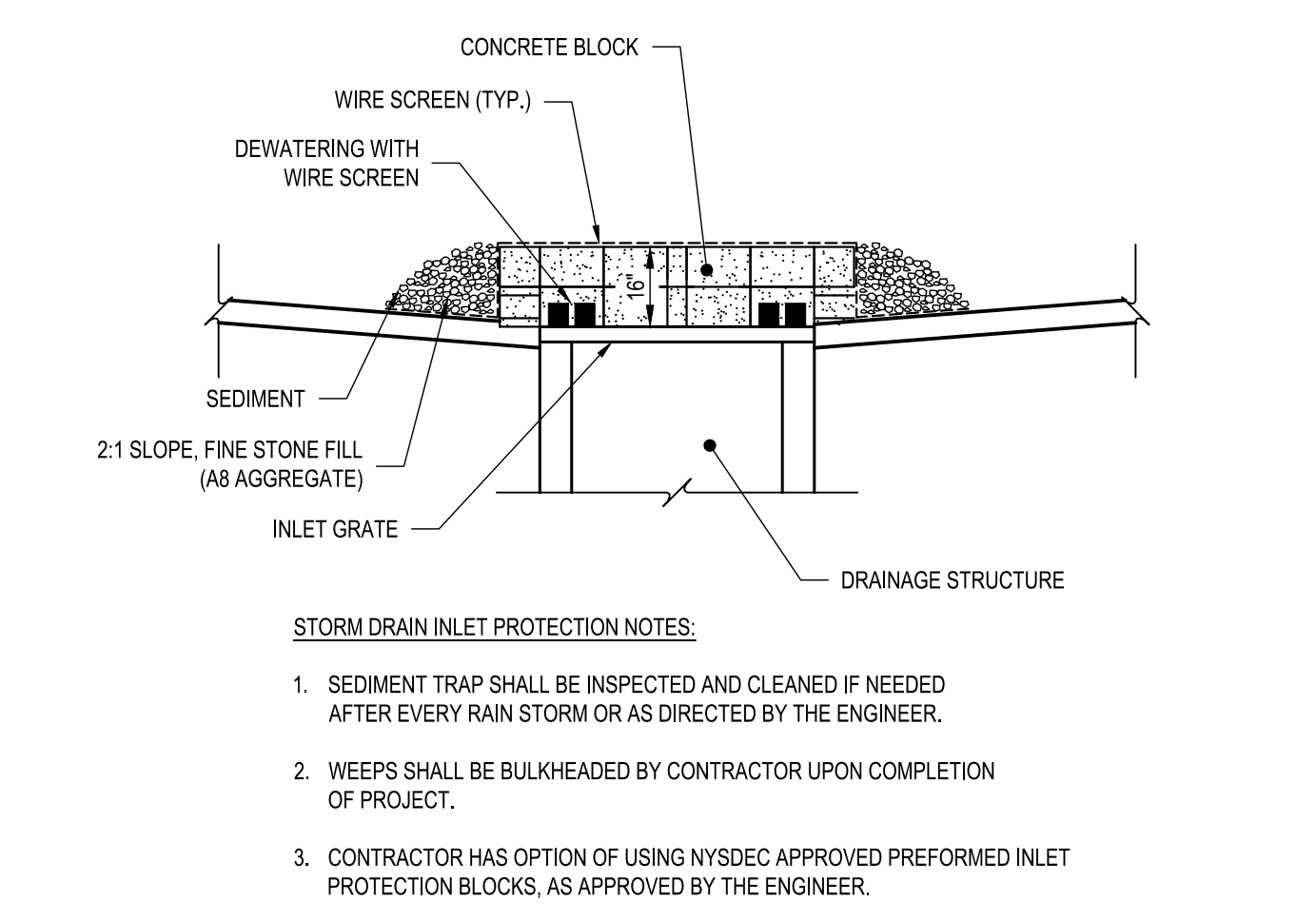
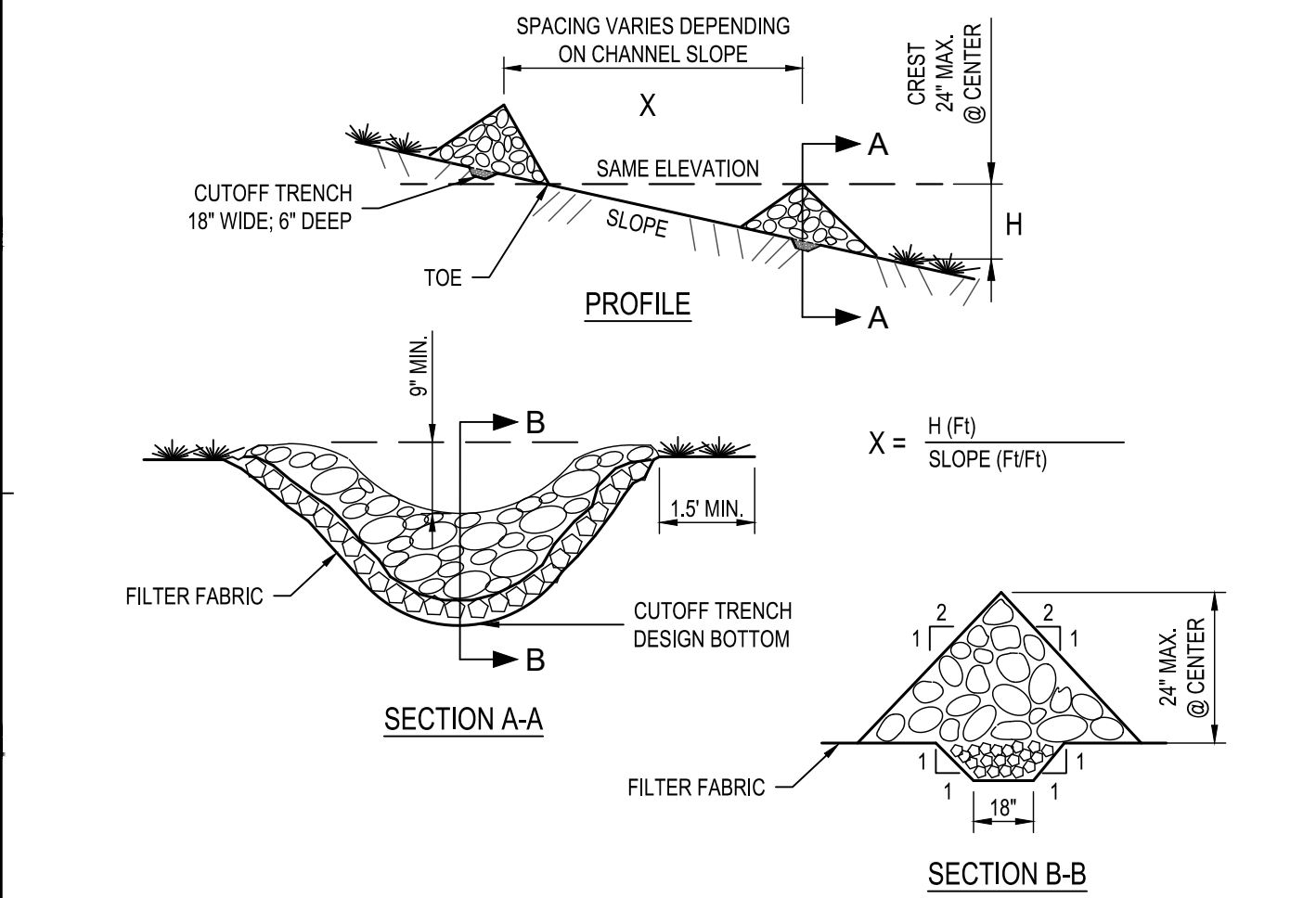
- BIORETENTION PLANTING NOTES:**
- REFER TO PLANTING PLANS AND SCHEDULES FOR PLANTINGS AT BIORETENTION LOCATIONS.
 - REVIEW LOCATIONS ON-SITE WITH OWNER'S REPRESENTATIVE PRIOR TO ACTUAL PLANTING.
 - REFER TO GRADING PLANS FOR GRADING AT BIORETENTION AREAS.



G1 TYPICAL BIORETENTION DETAIL
SCALE: NOT TO SCALE

G5 DRY SWALE DETAIL
SCALE: NOT TO SCALE

G8 COIR ROLL (FIBER ROLL)
SCALE: NOT TO SCALE

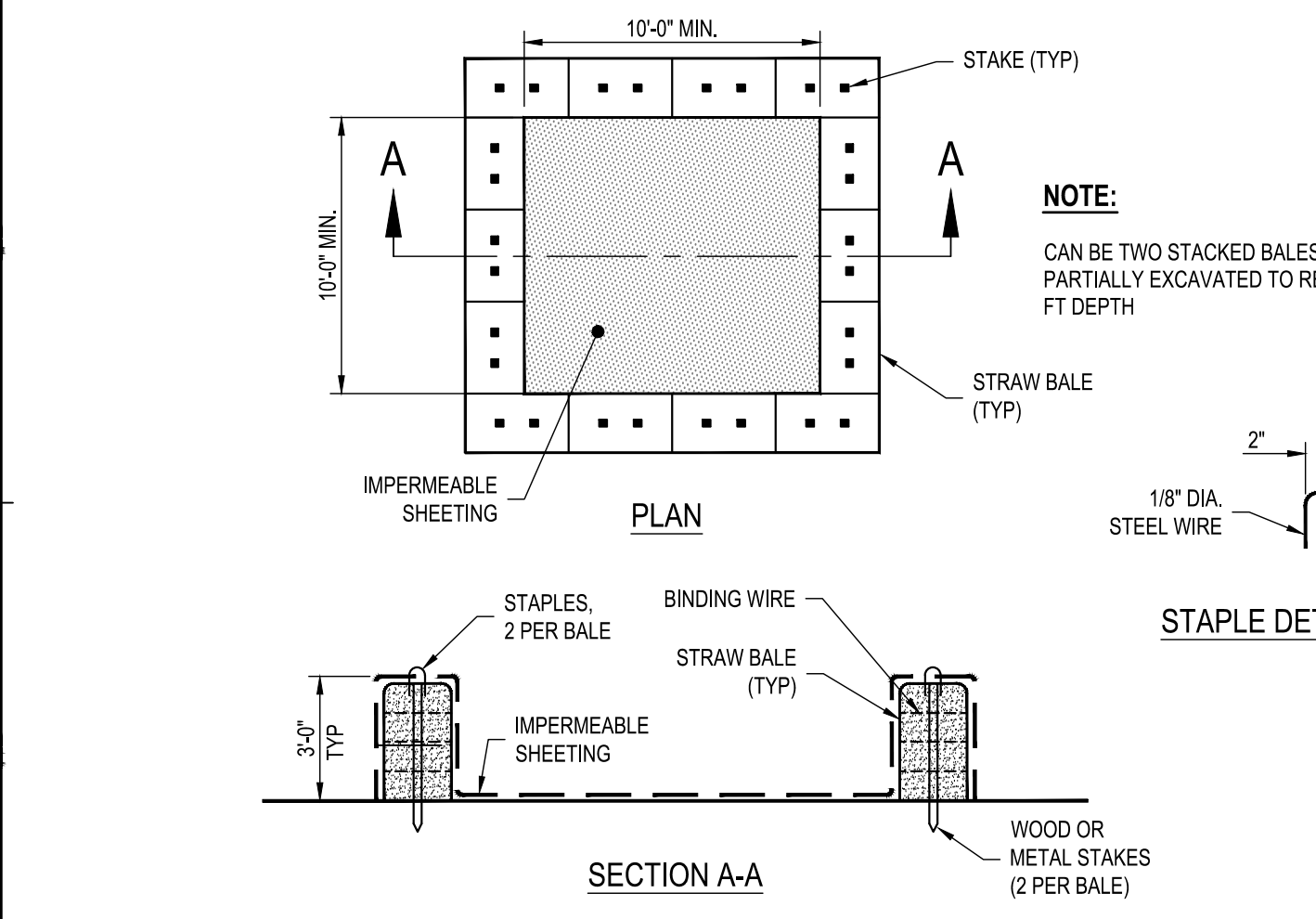


E1 TYPICAL CHECK DAM DETAIL
SCALE: NOT TO SCALE

E3 TYPICAL INLET PROTECTION DETAIL (PAVED AREAS)
SCALE: NOT TO SCALE

E5 TYPICAL ROLLED EROSION PRODUCT DETAIL
SCALE: NOT TO SCALE

E8 GRASSED SWALE
SCALE: NOT TO SCALE

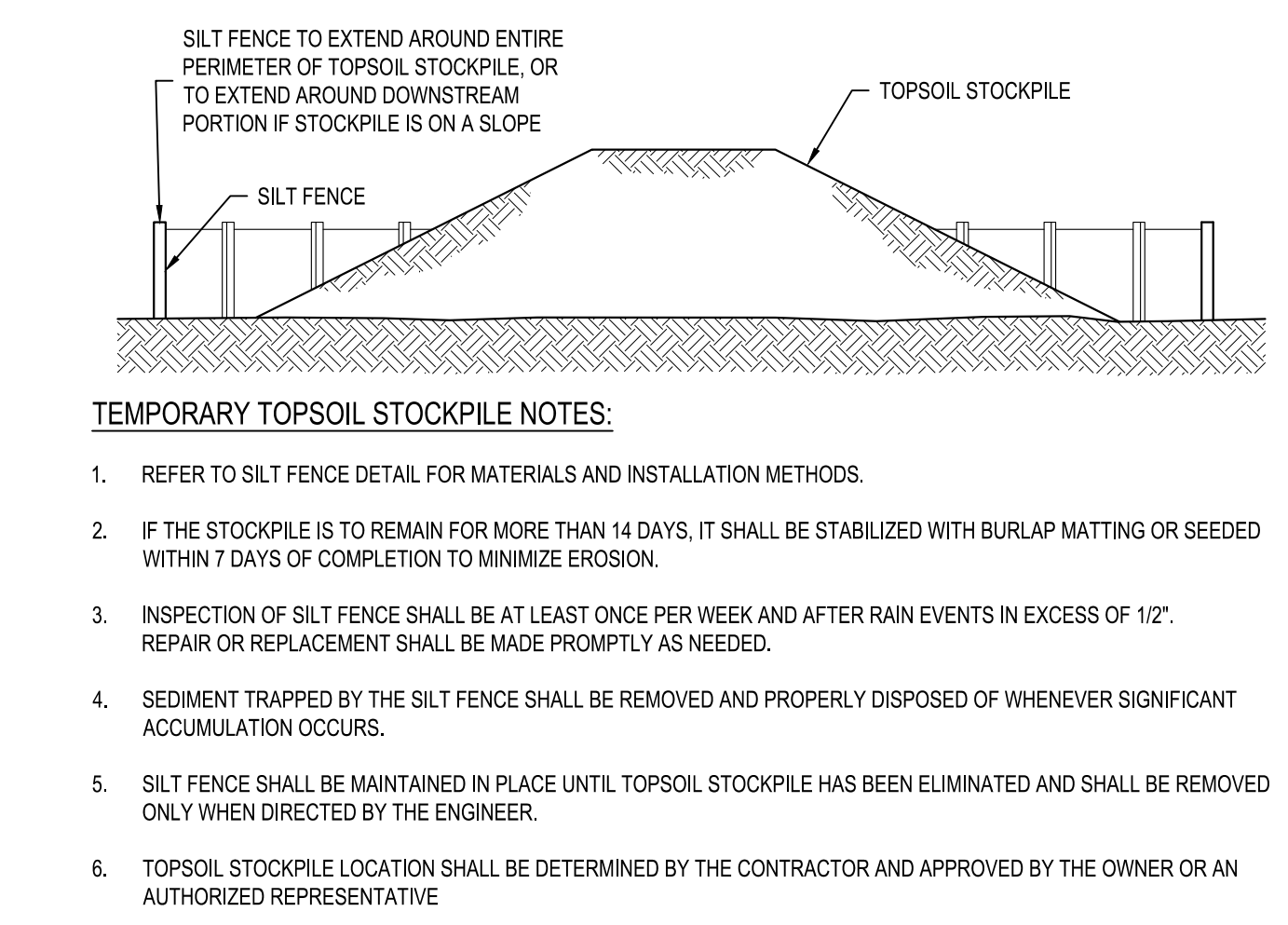
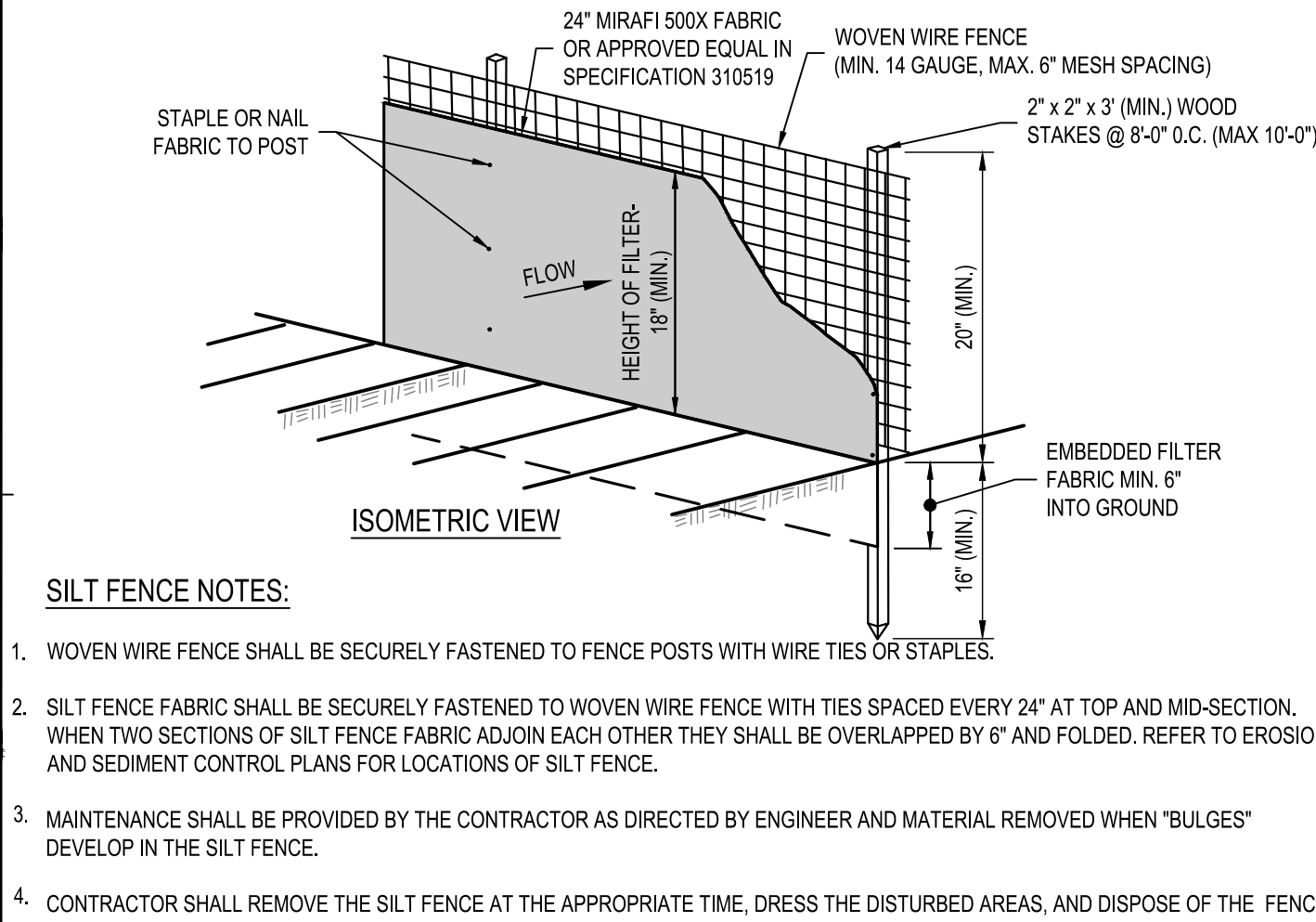
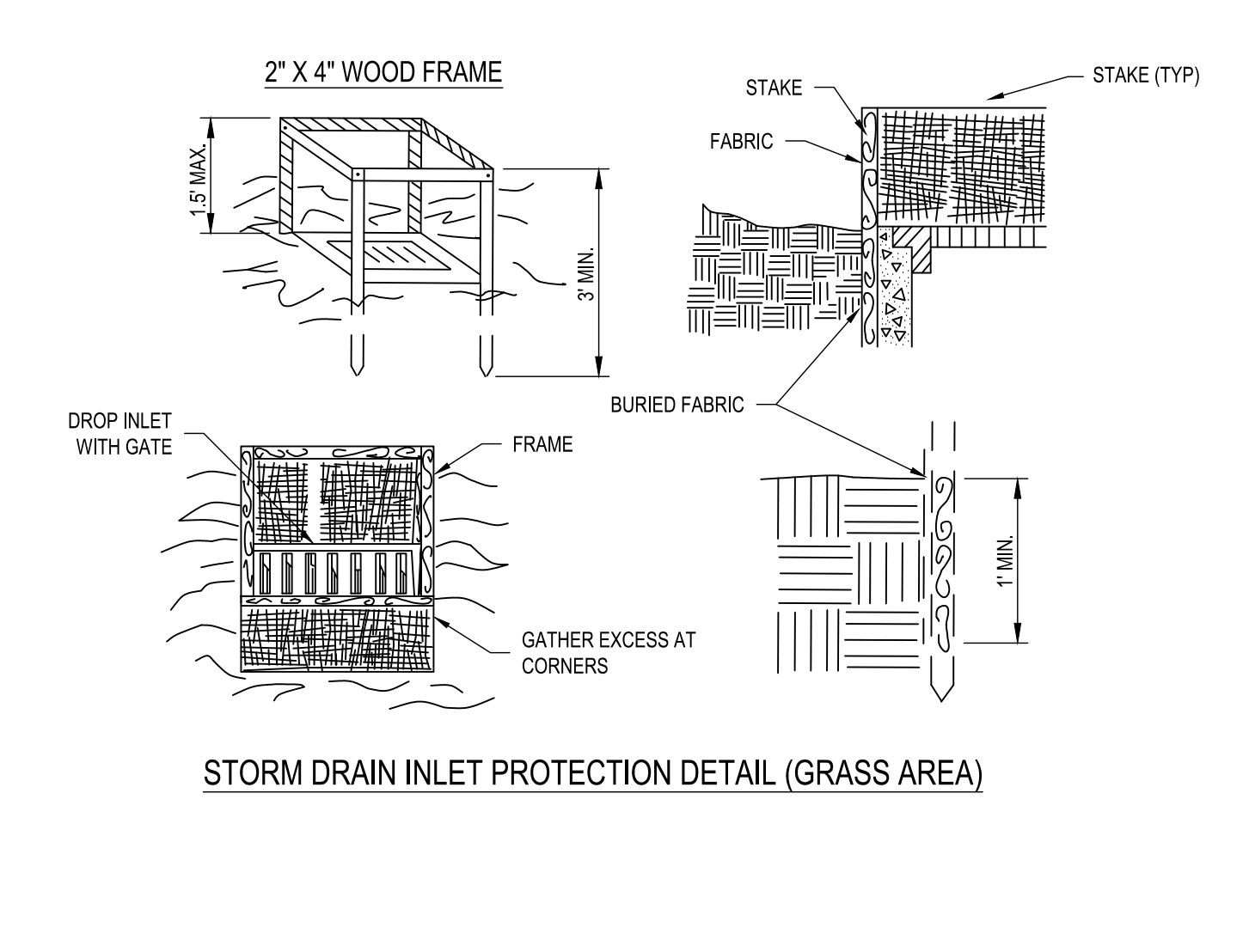
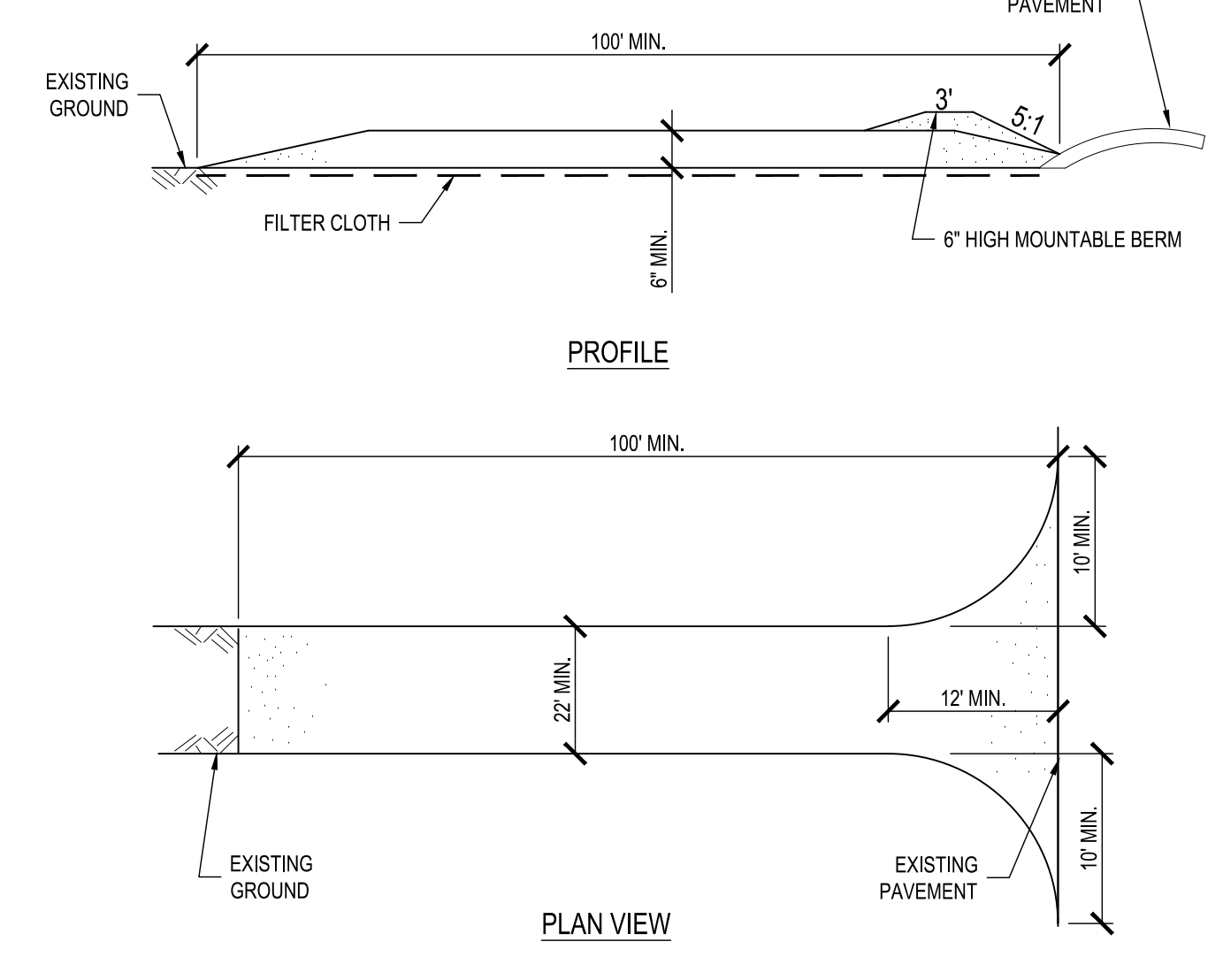


- CONSTRUCTION SPECIFICATIONS**
- LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
 - SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
 - PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
 - PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
 - KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER, WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER.
 - PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS, REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.
 - CONTRACTOR TO COORDINATE FINAL LOCATION OF CONCRETE WASHOUT WITH OWNER'S REPRESENTATIVE.

- STABILIZED CONSTRUCTION ENTRANCE NOTES:**
- STONE SIZE - USE 2" STONE, WASHED, CRUSHED.
 - LENGTH - NOT LESS THAN 50 FEET.
 - THICKNESS - NOT LESS THAN SIX (6) INCHES.
 - WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 - FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

- SILT FENCE INLET PROTECTION NOTES:**
- FILTER FABRIC SHALL MEET THE SPECIFICATION REQUIREMENTS. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS.
 - CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
 - STAKE MATERIALS WILL BE STANDARD 2" X 4" WOOD OR EQUIVALENT, METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
 - FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
 - A 2" X 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY. MAXIMUM DRAINAGE AREA 1 ACRE.
 - COIR ROLL SHALL BE PLACED ALONG THE FRONT OF THE INLET TO THE CATCH BASIN EXTENDING ACROSS THE ENTIRE WIDTH OF THE INLET TO THE CONCRETE GUTTER APRON LIMITS ON BOTH SIDE OF THE CATCH BASIN INLET. COIR ROLL SHALL BE WEIGHTED DOWN AS NEEDED WITH SAND BAGS OR EQUAL.
 - REFER TO THE SEQUENCE OF CONSTRUCTION ACTIVITIES LOCATED WITHIN THE SWPPP FOR TIMING OF THESE MEASURES TO BE INSTALLED.

C1 TEMPORARY CONCRETE WASHOUT AREA DETAIL
SCALE: NOT TO SCALE



A1 TYPICAL SILT FENCE DETAIL
SCALE: NOT TO SCALE

A3 TEMPORARY SOIL STOCKPILE DETAIL
SCALE: NOT TO SCALE

A5 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
SCALE: NOT TO SCALE

A8 TYPICAL INLET PROTECTION DETAIL (GRASS AREAS)
SCALE: NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY **DASNY**

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Project Key

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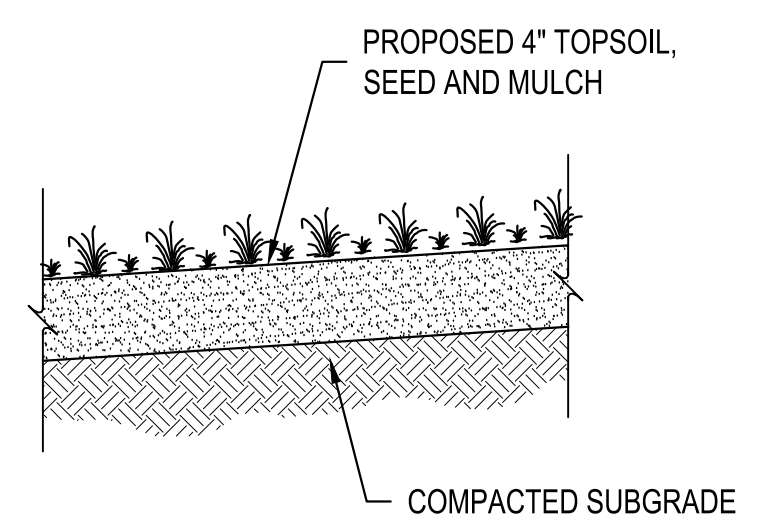
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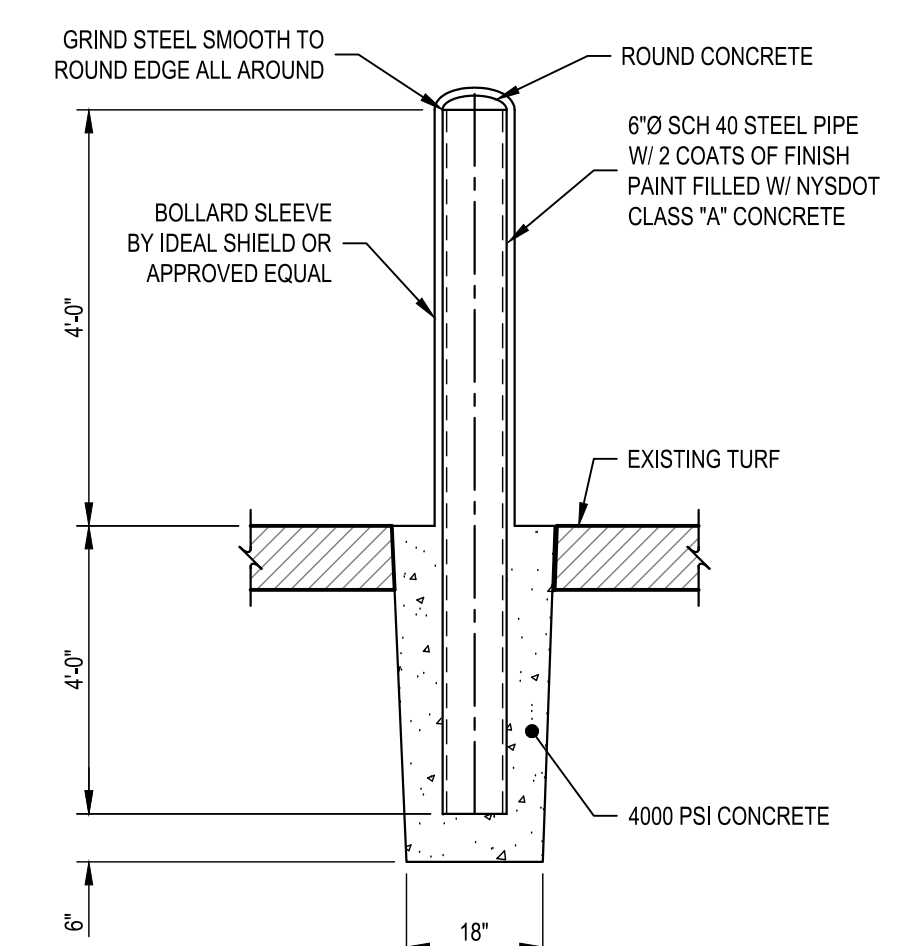
Seal & Signature
DASNY Project No: 354360
Drawing Number
C-503

Drawing 52 of 66



NOTE:
 PROVIDE ROLLED EROSION CONTROL PRODUCT AT SLOPES STEEPER THAN 1:4 REFER TO DETAIL E5/C-503

G1 TYPICAL GRASS RESTORATION DETAIL
 SCALE: NOT TO SCALE



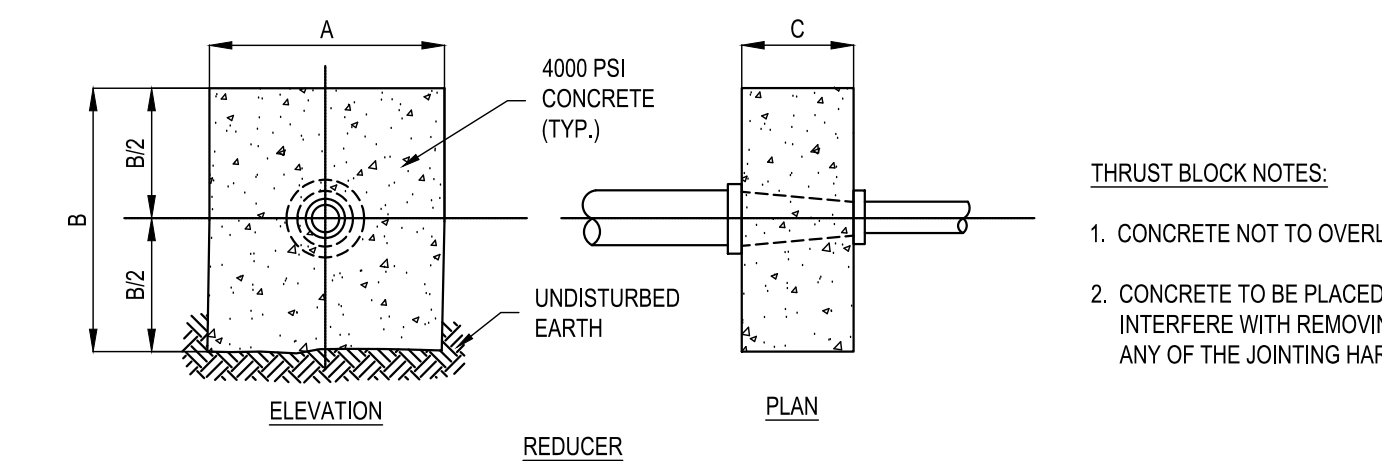
G3 TYPICAL BOLLARD DETAIL
 SCALE: NOT TO SCALE

- TREE PROTECTION NOTES**
- ALL TREES NOT LOCATED WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE OF DISTURBED AREAS SHALL BE PRESERVED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL TREES TO BE PRESERVED FROM HIS ACTIVITIES.
 - ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
 - TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
 - EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRILLPILES OR CRZ, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:
 - WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL.
 - WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
 - WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 5 FEET TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRILLPILE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
 - ALL GRADING WITHIN CRZ AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
 - ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
 - PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRILLPILES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT.
 - TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
 - WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, A PLASTIC VAPOR BARRIER SHALL BE PLACED BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE CRZ.
 - PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION.
 - FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRILLPILE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN CRZ AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL.
 - CRZ DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING
 - WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT
 - OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING AND FIRES.
 - NO TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRILLPILE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.

G5 TREE PROTECTION NOTES
 SCALE: NOT TO SCALE

CONCRETE ANCHOR & THRUST BLOCK DIMENSIONS

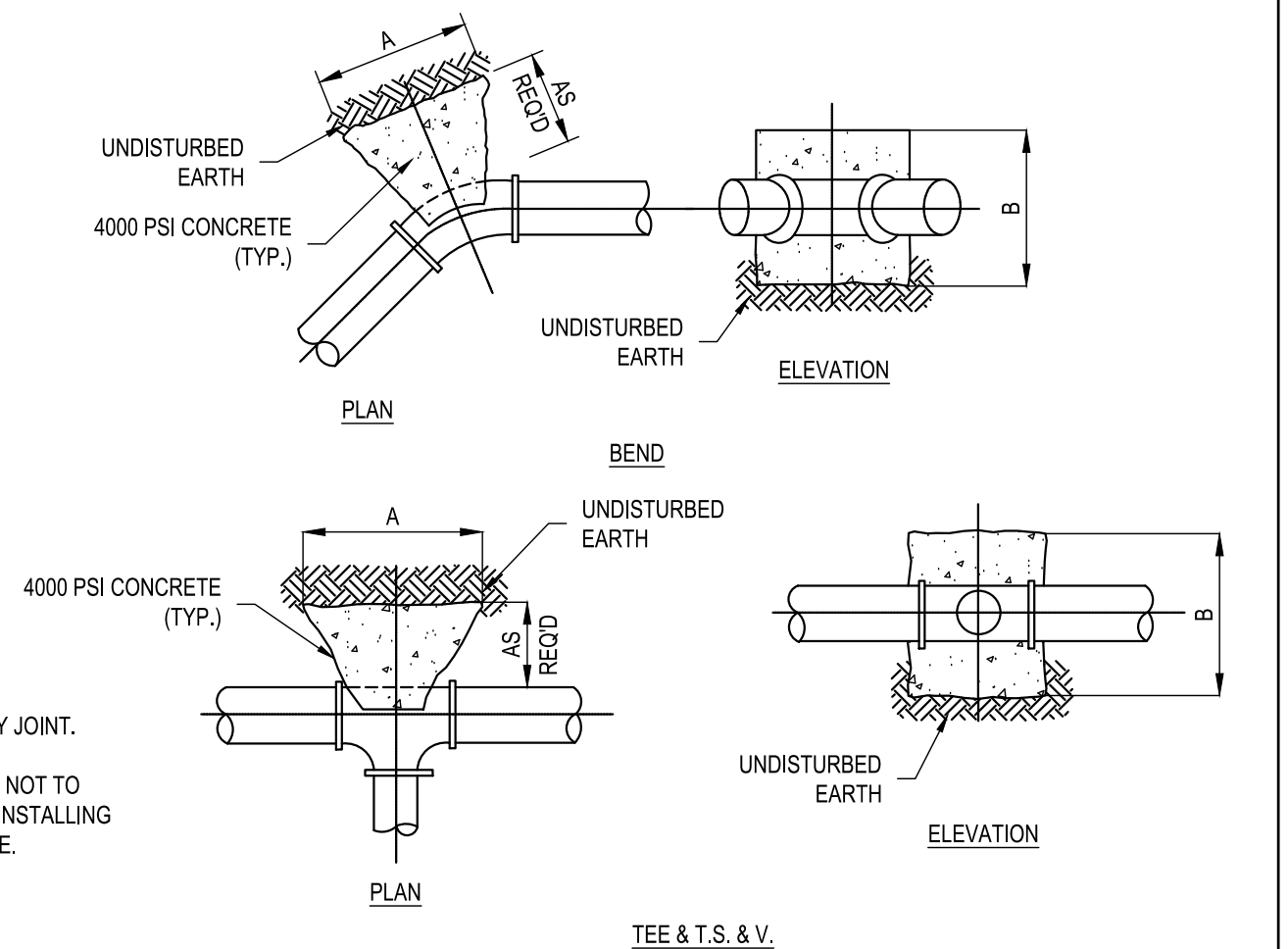
SIZE	12"			10"			8"			6"			4"		
	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
BEND 90°	3'-6"	3'-6"	---	2'-11"	2'-11"	---	2'-4"	2'-4"	---	1'-6"	1'-6"	---	1'-2"	1'-2"	---
BEND 45°	2'-6"	2'-6"	---	2'-2"	2'-2"	---	1'-9"	1'-9"	---	1'-2"	1'-2"	---	0'-10"	0'-10"	---
BEND 22 1/2°	1'-10"	1'-10"	---	1'-6"	1'-6"	---	1'-3"	1'-3"	---	1'-0"	1'-0"	---	1'-0"	1'-0"	---
BEND 11 1/4°	1'-4"	1'-4"	---	1'-2"	1'-2"	---	0'-11"	0'-11"	---	1'-0"	1'-0"	---	1'-0"	1'-0"	---
D.I. ANCHOR	7'-0"	5'-0"	1'-0"	7'-0"	4'-0"	1'-0"	6'-0"	3'-0"	1'-0"	5'-4"	2'-6"	1'-0"	4'-6"	2'-0"	1'-0"
TS&V, TEE BRANCH SIZE	3'-0"	3'-0"	---	2'-6"	2'-6"	---	2'-0"	2'-0"	---	1'-10"	1'-10"	---	1'-0"	1'-0"	---
REDUCER 12"x	---	---	---	2'-6"	2'-6"	---	1'-2"	3'-8"	3'-8"	1'-2"	4'-0"	4'-0"	1'-2"	4'-6"	1'-2"
REDUCER 10"x	---	---	---	---	---	---	2'-6"	2'-6"	---	1'-0"	4'-0"	4'-0"	1'-0"	4'-0"	1'-0"
REDUCER 8"x	---	---	---	---	---	---	---	---	---	2'-0"	2'-0"	0'-11"	2'-8"	2'-8"	0'-11"
REDUCER 6"x	---	---	---	---	---	---	---	---	---	---	---	---	1'-8"	1'-8"	0'-9"



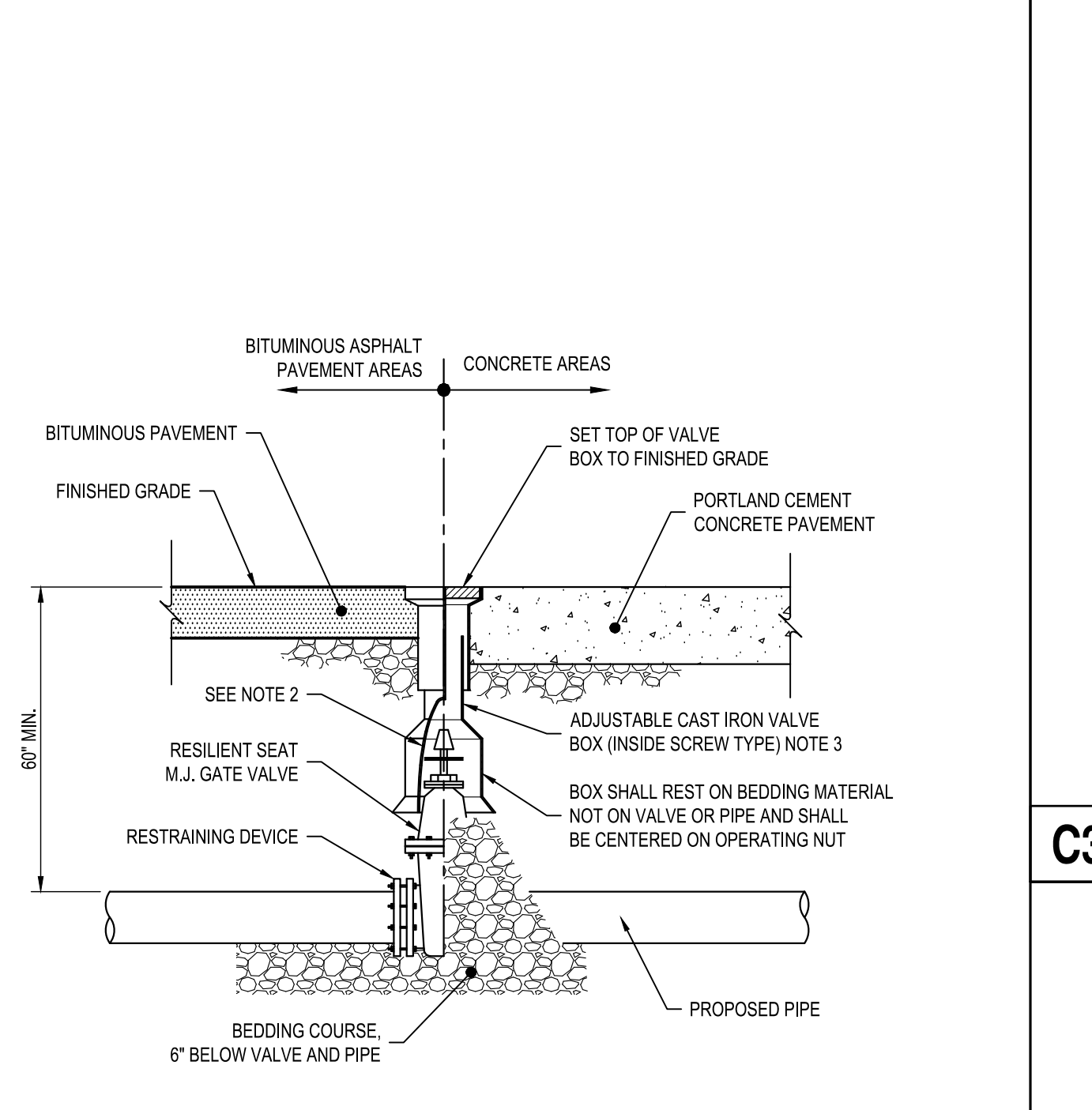
THRUST BLOCK NOTES:

- CONCRETE NOT TO OVERLAP ANY JOINT.
- CONCRETE TO BE PLACED SO AS NOT TO INTERFERE WITH REMOVING OR INSTALLING ANY OF THE JOINTING HARDWARE.

E1 TYPICAL THRUST BLOCK DETAIL
 SCALE: NOT TO SCALE



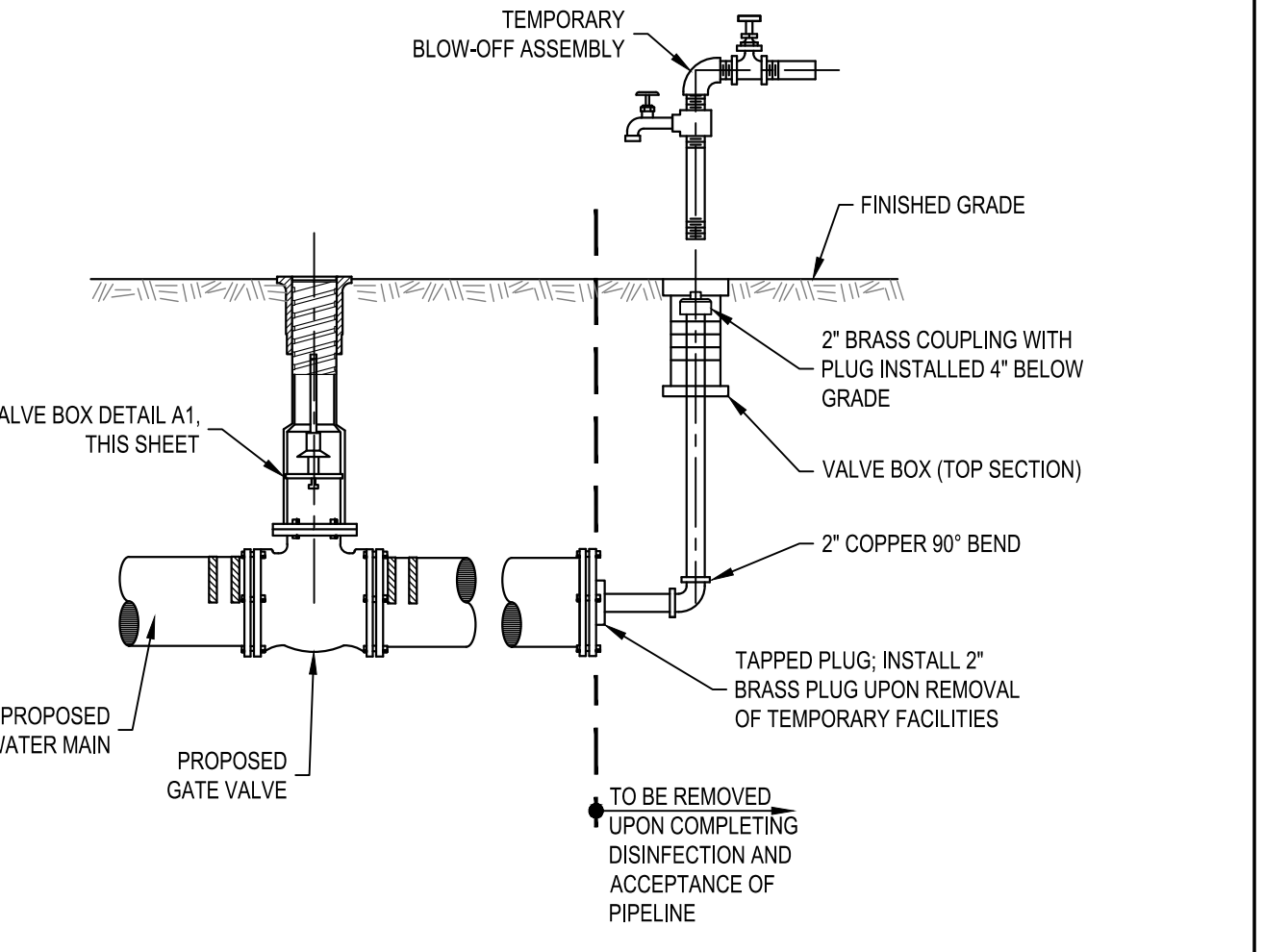
E5 DUCTILE IRON PIPE ANCHOR AND PLUG DETAIL
 SCALE: NOT TO SCALE



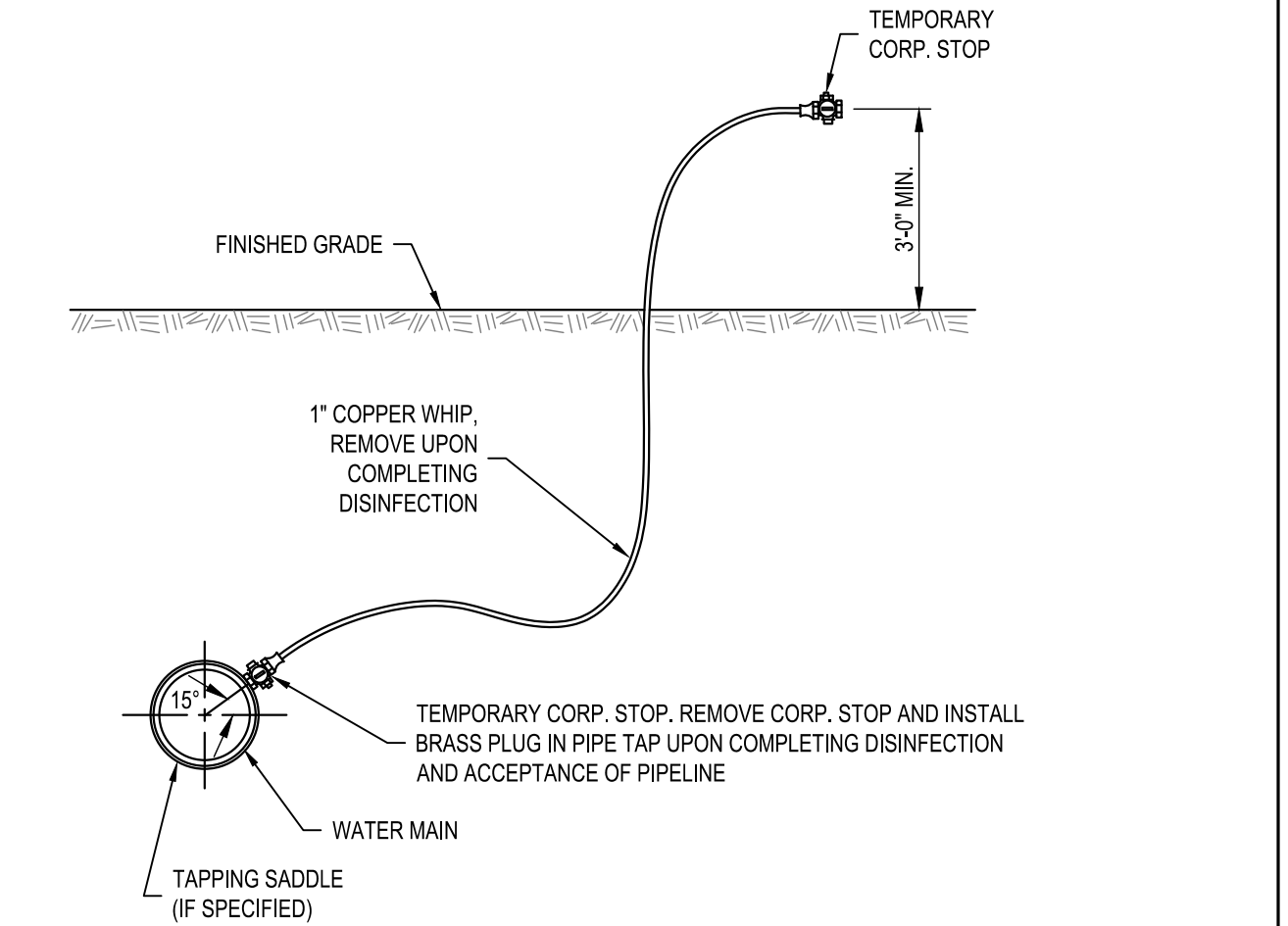
NOTES:

- PVC EXTENSIONS SHALL NOT BE USED ON VALVE BOX INSTALLATION.
- THE ACTUATING NUT FOR VALVES SHALL BE EXTENDED TO A MAXIMUM OF 30-INCHES BELOW FINISHED GRADE.
- ADJUST TO MID-RANGE TO ALLOW FOR FUTURE BOX ADJUSTMENTS.

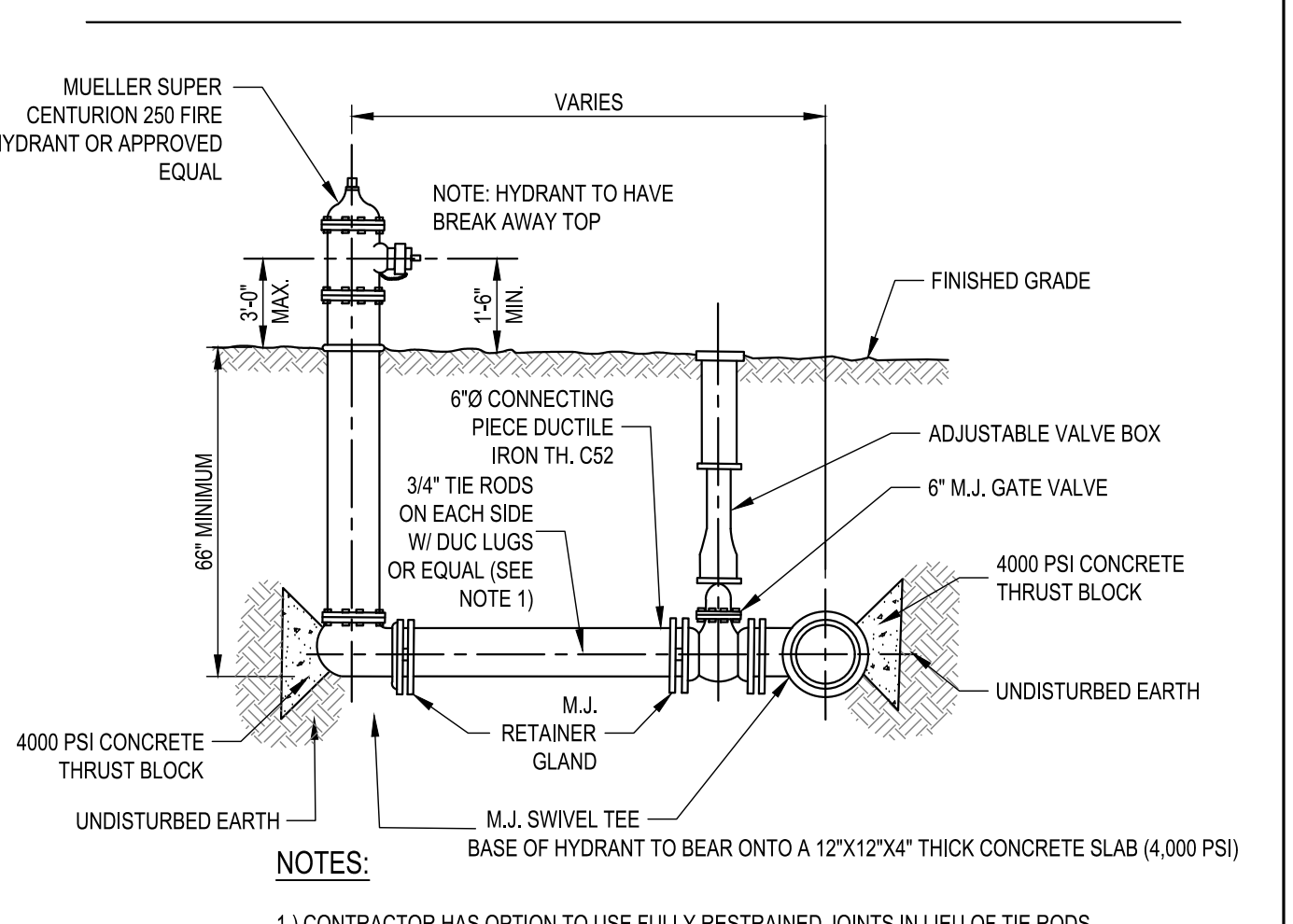
A1 TYPICAL GATE VALVE DETAIL
 SCALE: NOT TO SCALE



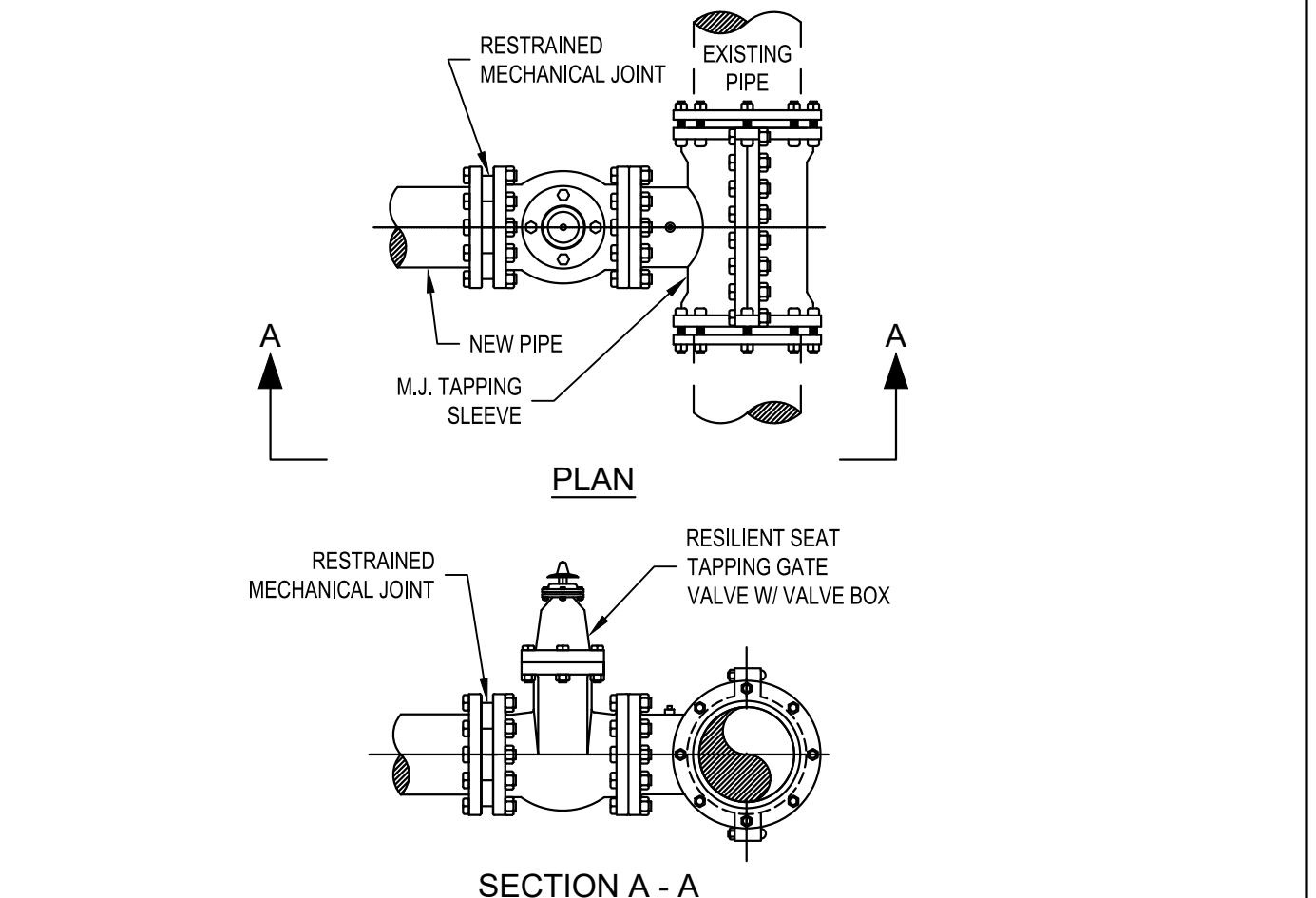
C3 TEMPORARY BLOW-OFF DETAIL
 SCALE: NOT TO SCALE



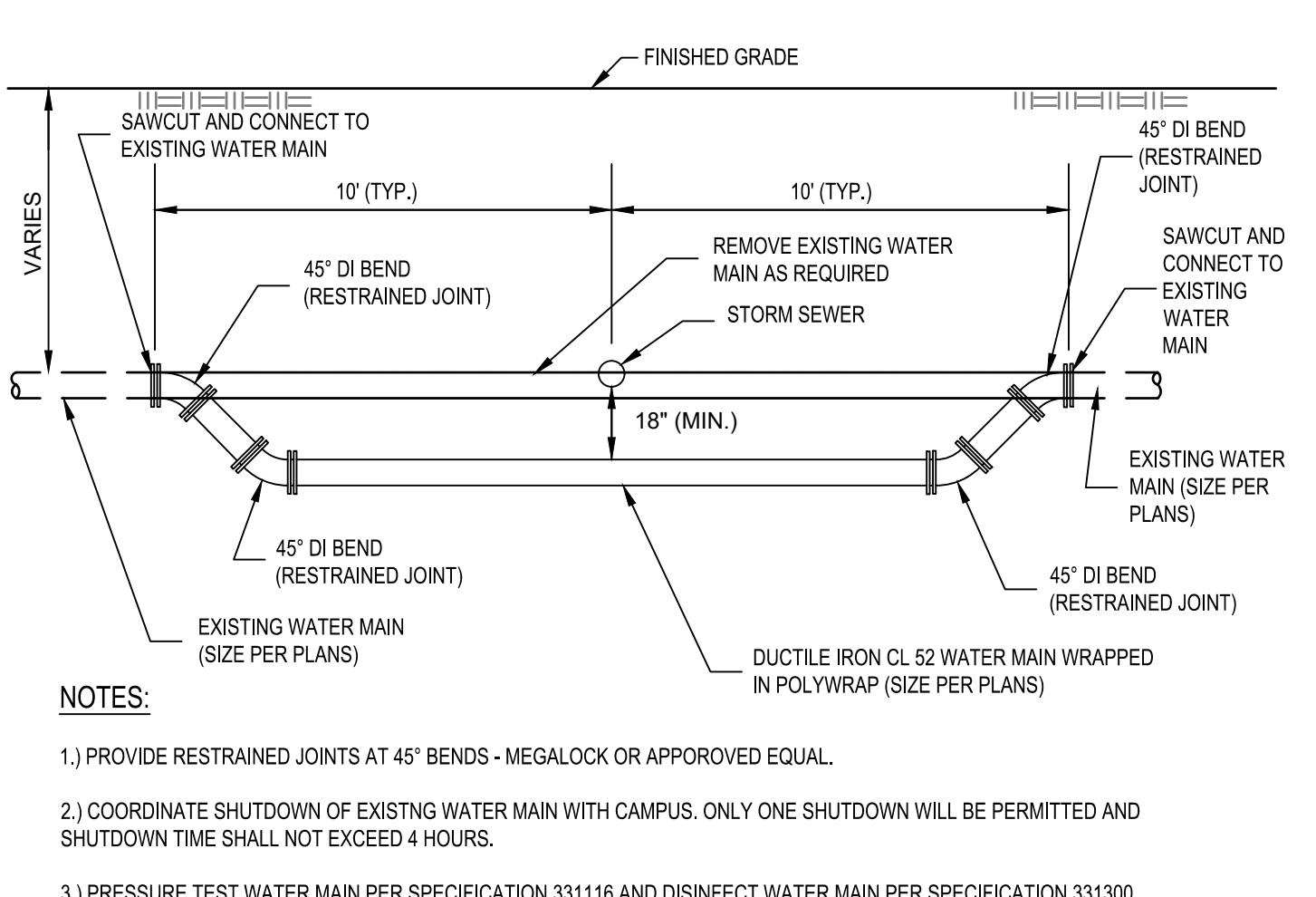
A3 SAMPLING & DISINFECTION TAP DETAIL
 SCALE: NOT TO SCALE



C5 FIRE HYDRANT ASSEMBLY DETAIL
 SCALE: NOT TO SCALE



A4 TAPPING SLEEVE AND VALVE DETAIL
 SCALE: NOT TO SCALE



C8 TYPICAL WATER MAIN RELOCATION DETAIL
 SCALE: NOT TO SCALE

NOTES:

- PROVIDE RESTRAINED JOINTS AT 45° BENDS - MEGALOCK OR APPROVED EQUAL.
- COORDINATE SHUTDOWN OF EXISTING WATER MAIN WITH CAMPUS. ONLY ONE SHUTDOWN WILL BE PERMITTED AND SHUTDOWN TIME SHALL NOT EXCEED 4 HOURS.
- PRESSURE TEST WATER MAIN PER SPECIFICATION 33116 AND DISINFECT WATER MAIN PER SPECIFICATION 331300.

A5 NOT IN USE
 SCALE: NOT TO SCALE

Project Key

REVISIONS

Rev No	Description	Date:

NEW YORK STATE OF OPPORTUNITY Office for People With Developmental Disabilities

NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

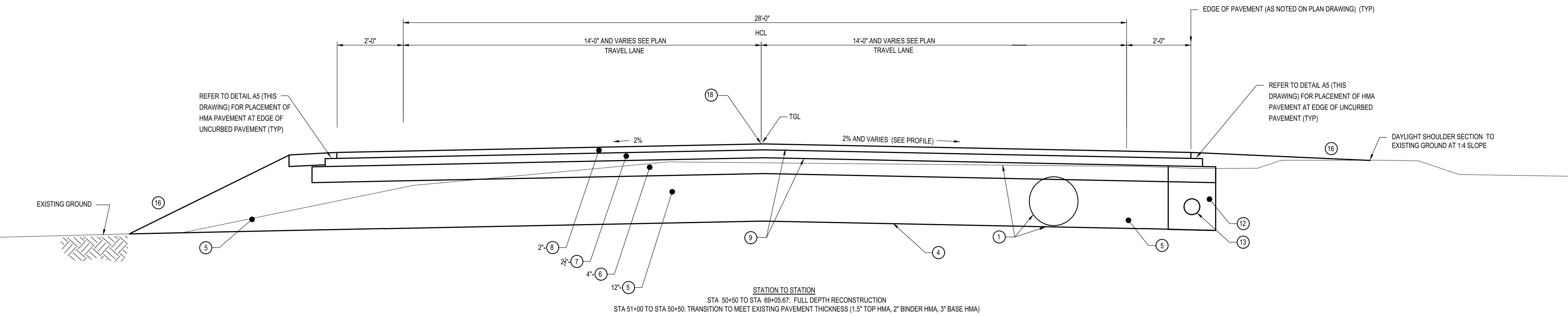
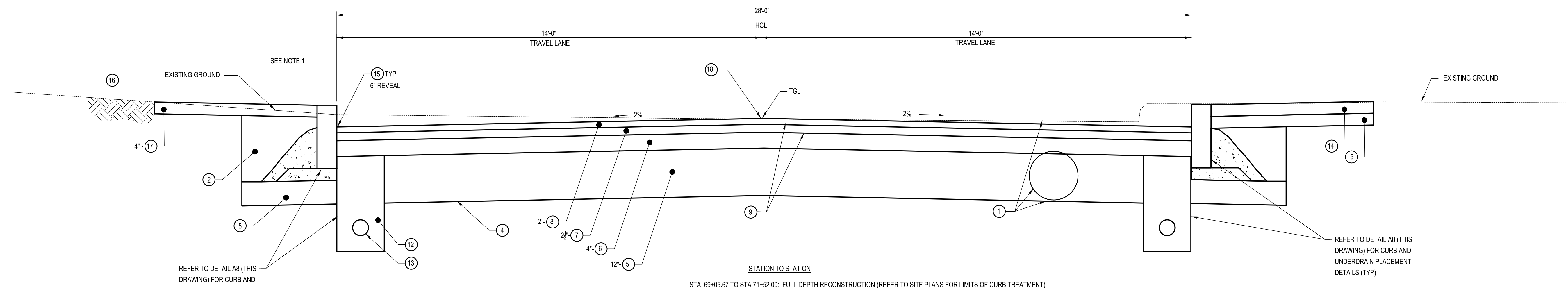
Drawing Title
DETAILS

Phase
BID DOCUMENTS

Drawn By: NJS **Checked By:** DHW **Date:** 9/20/2024

Seal & Signature **DASNY Project No:** 354360 **Drawing Number:** C-506

Drawing 53 of 66



Project Key

REVISIONS

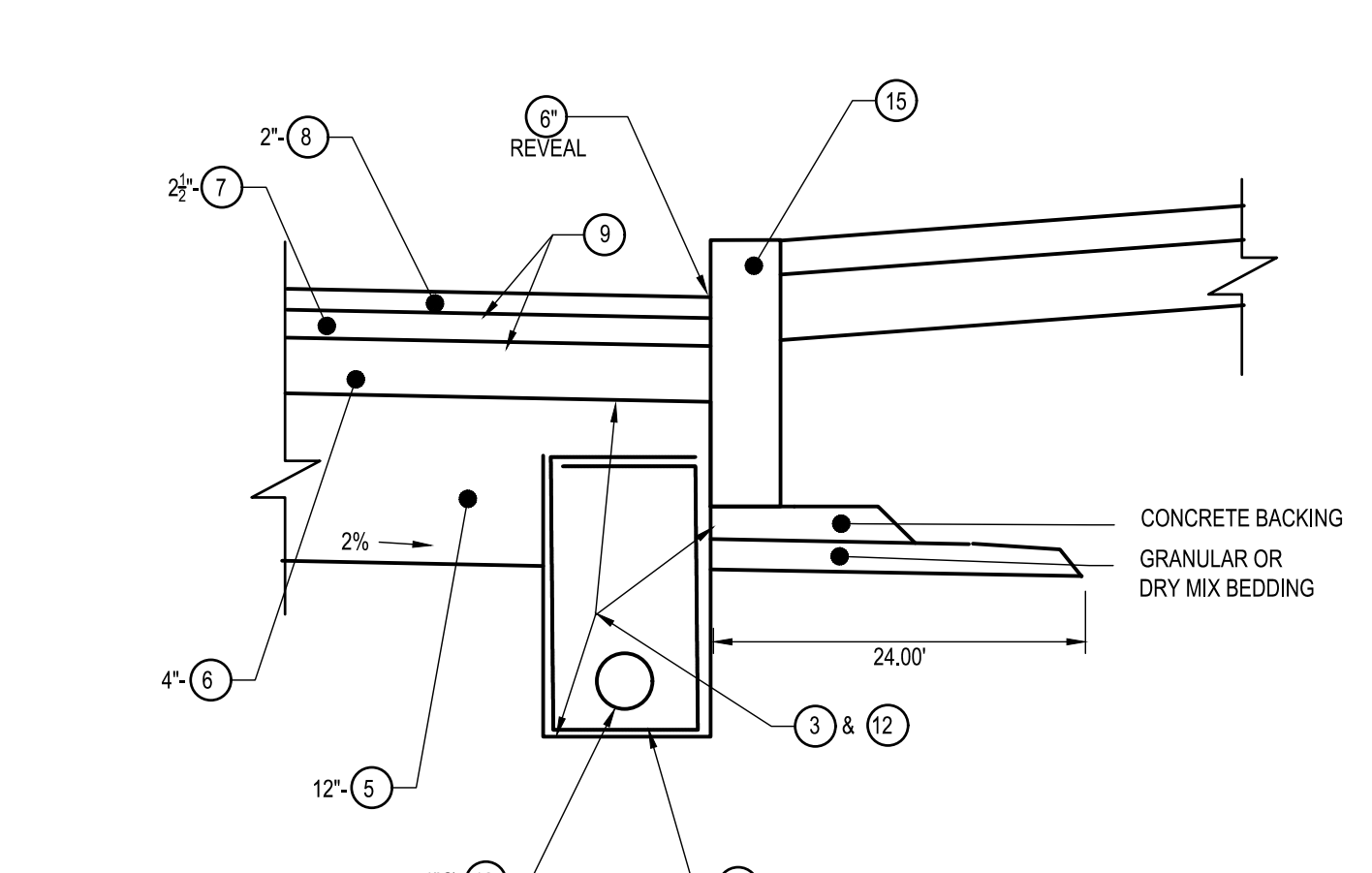
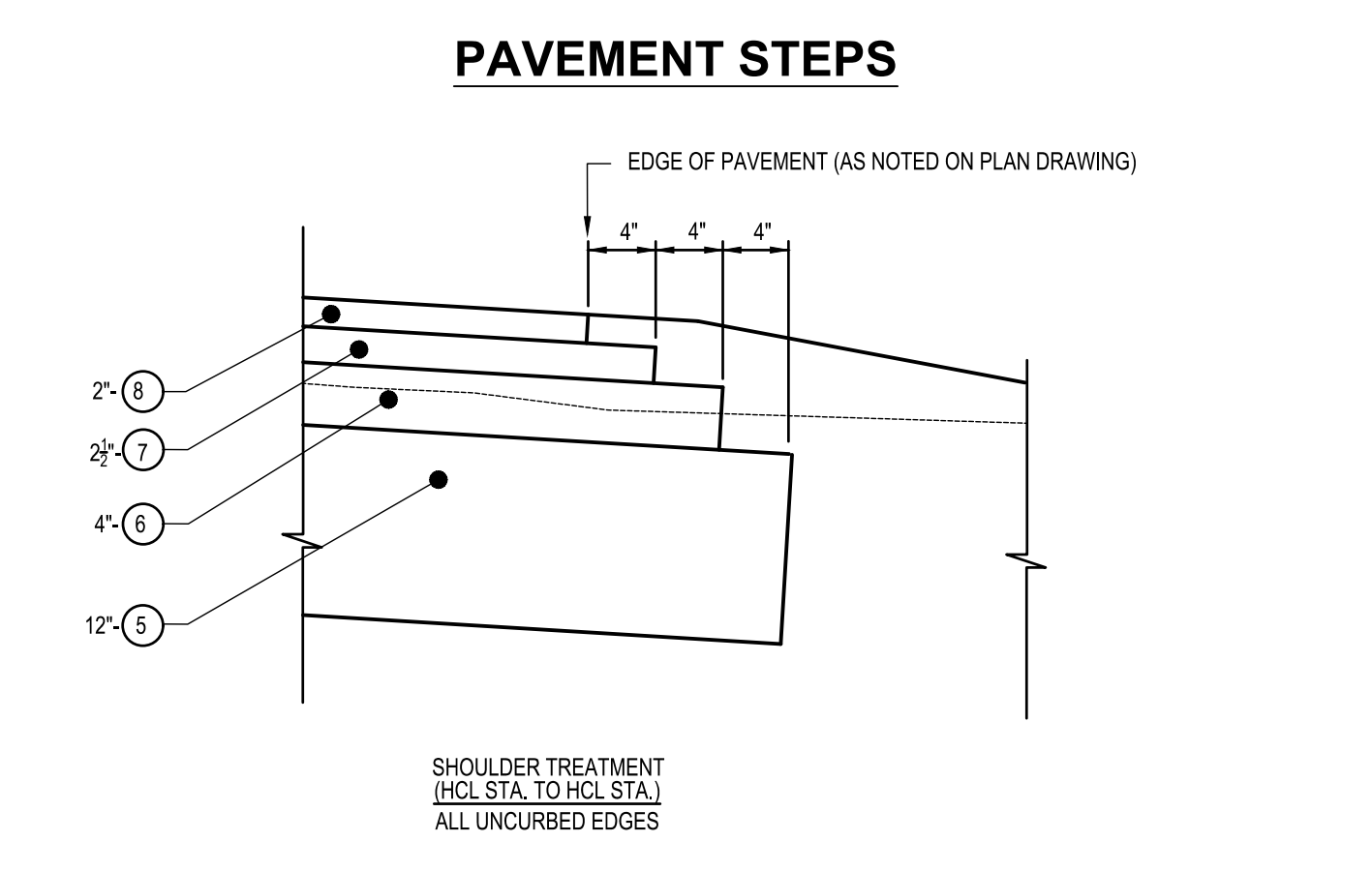
Rev No	Description	Date:

C1 PERIMETER ROAD TYPICAL SECTIONS
 NOT TO SCALE

KEY

KEY	DESCRIPTION
1	UNCLASSIFIED EXCAVATION AND DISPOSAL
2	EMBANKMENT IN PLACE
3	TRENCH AND CULVERT EXCAVATION
4	GEOTEXTILE SEPARATION
5	SUBBASE COURSE, NYSDOT TYPE 2 (A1 AGGREGATE)
6	25.0 MM F9 HOT MIX ASPHALT, ("BASE-BINDER"), 80 SERIES COMPACTION (NYSDOT ITEM 402.258903)
7	19.0 MM F9 HOT MIX ASPHALT, ("BINDER"), 80 SERIES COMPACTION (NYSDOT ITEM 402.198903)
8	9.5 MM F2 HOT MIX ASPHALT, ("TOP"), 80 SERIES COMPACTION (NYSDOT ITEM 402.098303)
9	TACK COAT (REFER TO NOTE 3)
10	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE
11	SAW CUTTING ASPHALT PAVEMENT, CONCRETE PAVEMENT AND ASPHALT OVERLAY ON CONCRETE PAVEMENT
12	UNDERDRAIN FILTER STONE (A5 AGGREGATE)
13	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN TUBING, 4 INCH
14	CONCRETE SIDEWALKS AND DRIVEWAYS
15	STONE CURB, GRANITE (NOMINAL 5" WIDE X 16" OVERALL HEIGHT)
16	TURF ESTABLISHMENT - LAWNS
17	TOPSOIL - LAWNS
18	ASPHALT JOINT SEALANT (REFER TO NOTE 4)

- NOTES:**
- PORTLAND CEMENT CONCRETE SIDEWALKS: THICKNESS SHALL BE MINIMUM OF 6" AT SIDEWALKS AND CURB RAMPS, 8" AT DRIVEWAYS, MATCH EXISTING ADJACENT CONCRETE SIDEWALK IF THICKER.
 - SAWCUTS SHALL BE PERPENDICULAR TO PAVEMENT SURFACE AND STRAIGHT. ALL SAWCUT PAVEMENT SURFACES SHALL BE TACK COATED PRIOR TO FINAL PAVING.
 - MILLED PAVEMENT SURFACES TO BE OVERLAID SHALL BE TACK COATED WITH TACK COAT (NYSDOT ITEM 407.0102) PRIOR TO NEW ASPHALT PLACEMENT, AT AN APPLICATION RATE OF 0.08 - 0.10 GAL/SY. TACK COAT SHALL BE APPLIED BETWEEN ALL LIFTS OF SUPERPAVE HMA, AND VERTICAL FACES OF CURB BELOW FINISHED GRADE, AT A RATE OF 0.05 - 0.06 GAL/SY.
 - PLACEMENT OF THE ASPHALT JOINT SEALANT (NYSDOT ITEM 418.760300) IS TO BE PROVIDED ALONG THE CENTERLINE PAVING JOINT.
 - REFER TO DWG C-502 AND DWG C-505 FOR ADDITIONAL PAVEMENT SECTION DETAILS.
 - EXISTING CONCRETE CURBING THAT IS IN THE AREA OF NEW ROADWAY RECONSTRUCTION WORK (SHOWN ON DRAWINGS) SHALL BE REMOVED AND DISPOSED OF OFFSITE BY THE CONTRACTOR. THE EXISTING GRANITE CURB THAT IS WITHIN THE ROADWAY RECONSTRUCTION LIMITS SHALL BE REMOVED, SALVAGED, STORED, AND TURNED OVER TO THE CAMPUS BY THE CONTRACTOR, CONTRACTOR TO COORDINATE LOCATION OF STORAGE WITH OWNER'S REPRESENTATIVE.
 - THIS PROJECT IS A LUMP SUM PROJECT THAT UTILIZES NYSDOT ITEM NUMBERS TO COMMUNICATE THE MATERIAL REQUIREMENTS AND CONSTRUCTION DETAILS ASSOCIATED WITH THESE ITEMS OF WORK.
 - REFER TO VARIOUS DETAILS RELATED TO PAVEMENT SECTION AND ITS CONSTRUCTION.



A1 ROADWAY NOTES
 NOT TO SCALE

A5 EDGE OF PAVEMENT DETAIL (UNCURBED PAVEMENT SECTION)
 NOT TO SCALE

A8 UNDERDRAIN DETAIL
 NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY **Office for People With Developmental Disabilities**

NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
TYPICAL SECTION

Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

Seal & Signature: DASNY Project No: **354360**
 Drawing Number: **C-507**
 Drawing 56 of 66

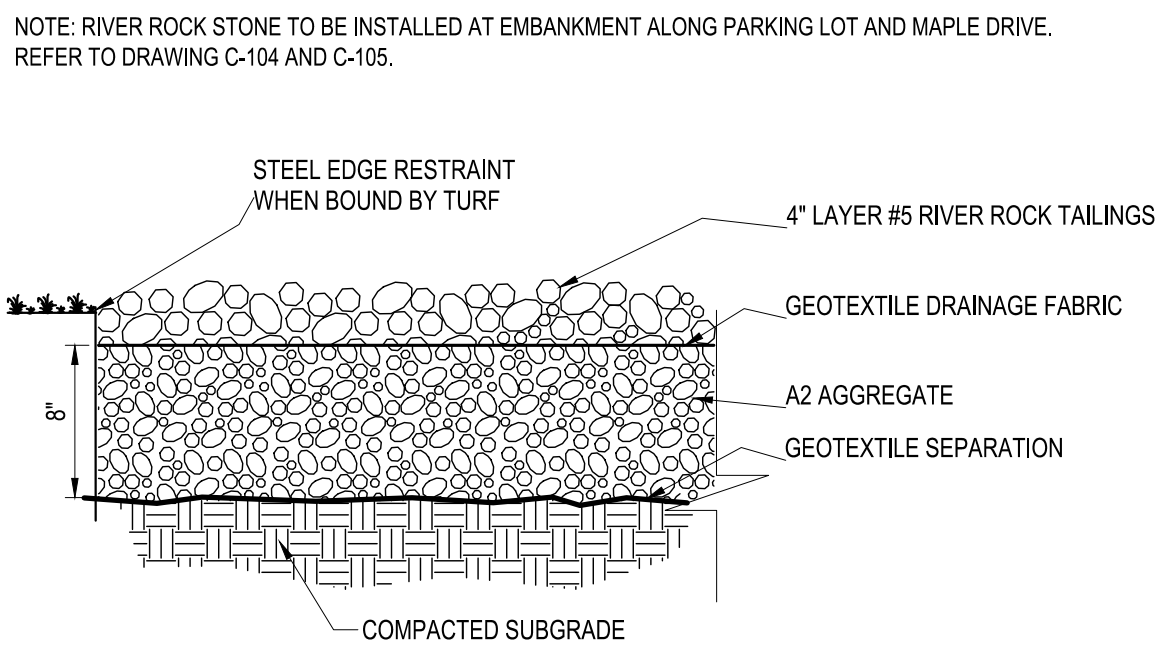
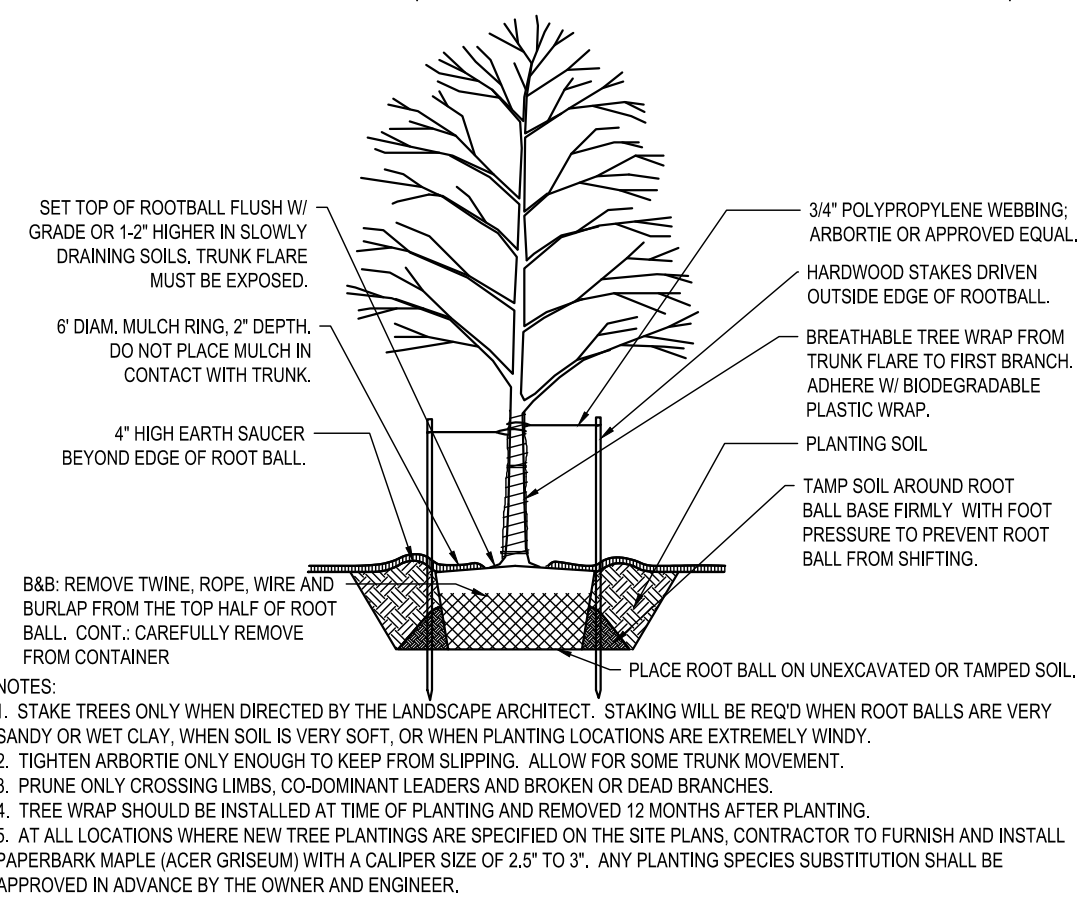


TABLE OF UNDERDRAIN		
FROM HCL STATION & OFFSET	TO HCL STATION & OFFSET	OUTLET STATION, (OUTLET), LOCATION
PERIMETER ROAD		
51+70, 14.00' LT	52+50, 14.00' LT	52+50, NEW ST CB 1-2
51+60, 14.00' RT	52+50, 14.00' RT	52+50, NEW ST CB 1-3
52+60, 14.00' LT	53+40, 14.00' LT	53+40, NEW ST MH 1-1
53+35, 14.00' RT	55+12, 14.00' RT	53+35, NEW ST CB 1-5
58+70, 39.00' RT	60+10, 14.00' RT	60+10, NEW ST CB 2-12
60+20, 14.00' RT	61+08, 14.00' RT	61+08, NEW ST MH 2-13
63+85, 14.00' LT	64+54, 14.00' LT	64+54, NEW ST CB 3-5A
64+82, 50.15' LT	65+13, 14.00' LT	65+13, NEW ST MH 3-5
65+15, 14.00' LT	65+84, 14.00' LT	65+84, NEW ST CB 3-6
65+84, 14.00' LT	66+41, 14.00' LT	66+41, NEW ST MH 3-3
66+41, 14.00' LT	67+34, 14.00' LT	67+34, NEW ST CB 4-12
67+34, 14.00' LT	68+88, 14.00' LT	69+13, NEW ST MH 4-8
69+19, 14.00' LT	70+48, 14.00' LT	78+48, NEW ST CB 4-15
65+49, 14.00' RT	67+33, 14.00' RT	67+33, NEW ST CB 4-14
69+09, 14.50' RT	70+48, 38.00' RT	70+48, NEW ST CB 4-4
70+48, 38.00' RT	71+07, 38.00' RT	71+07, NEW ST CB 4-3
71+50, 53.00' RT	71+07, 38.00' RT	71+07, NEW ST CB 4-3

- NOTES:
- INSTALL UNDERDRAIN PER DETAIL A8/C-507.
 - AT THE SOUTHWEST CURBLINE OF LOT #1, INSTALL 112 LINEAR FEET OF UNDERDRAIN AND OUTLET TO NEW ST CB 4-17.
 - AT THE SOUTHEAST CURBLINE OF LOT #1, INSTALL 157 LINEAR FEET OF UNDERDRAIN AND OUTLET TO NEW ST CB 5-8.
 - UNDERDRAIN PIPE HOLES IN DRAINAGE STRUCTURES SHALL BE PRECAST OR CORE DRILLED.
 - UPSTREAM END OF UNDERDRAIN TUBING TO BE CAPPED.
 - CONFIRM ALL UNDERDRAIN LOCATIONS WITH SITE REPRESENTATIVE.

G1 DECIDUOUS TREE PLANTING
SCALE: NOT TO SCALE

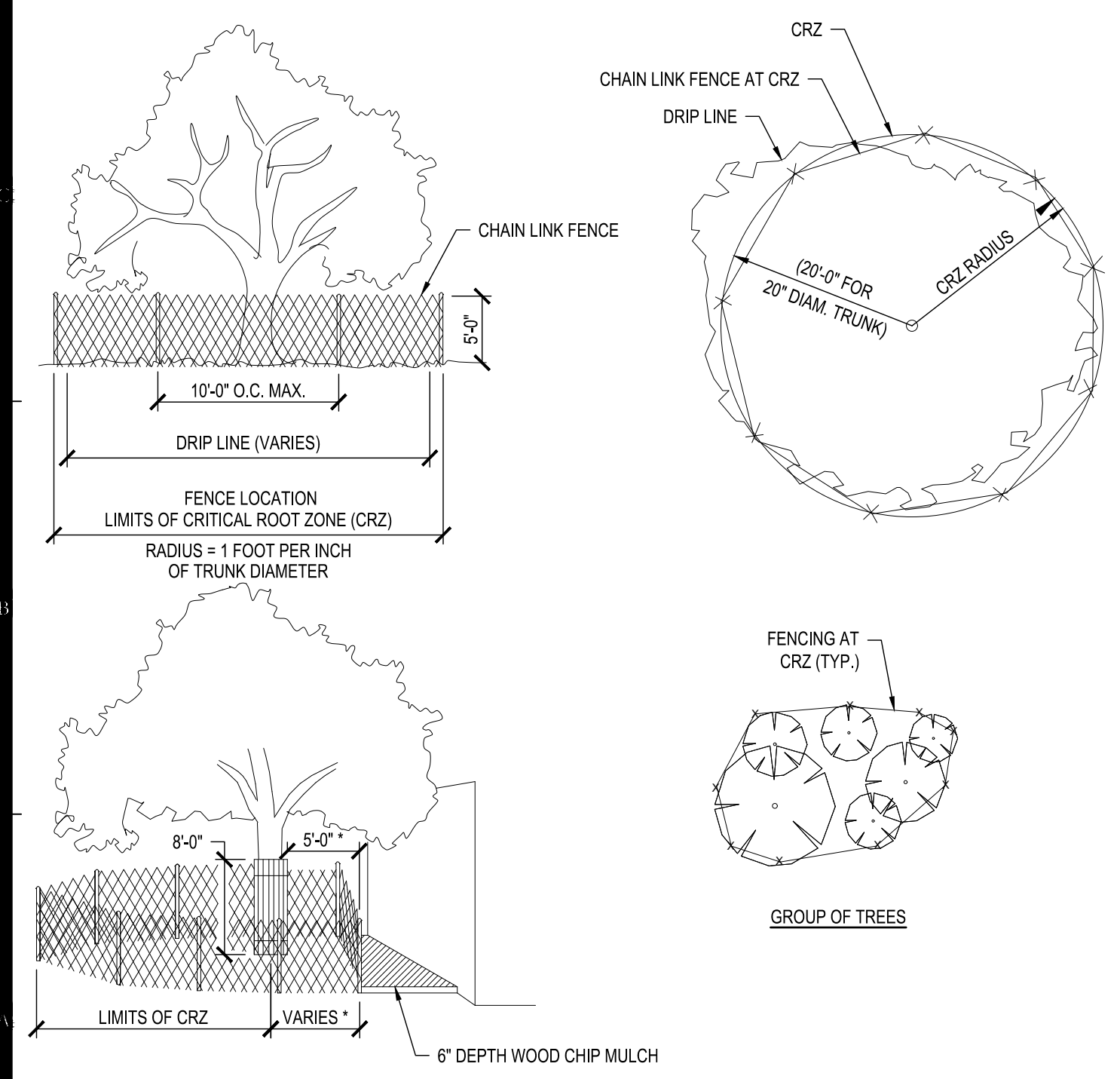
G3 RIVER ROCK STONE SECTION
SCALE: NOT TO SCALE

G5 UNDERDRAIN TABLE
SCALE: NOT TO SCALE

PLANT SCHEDULE

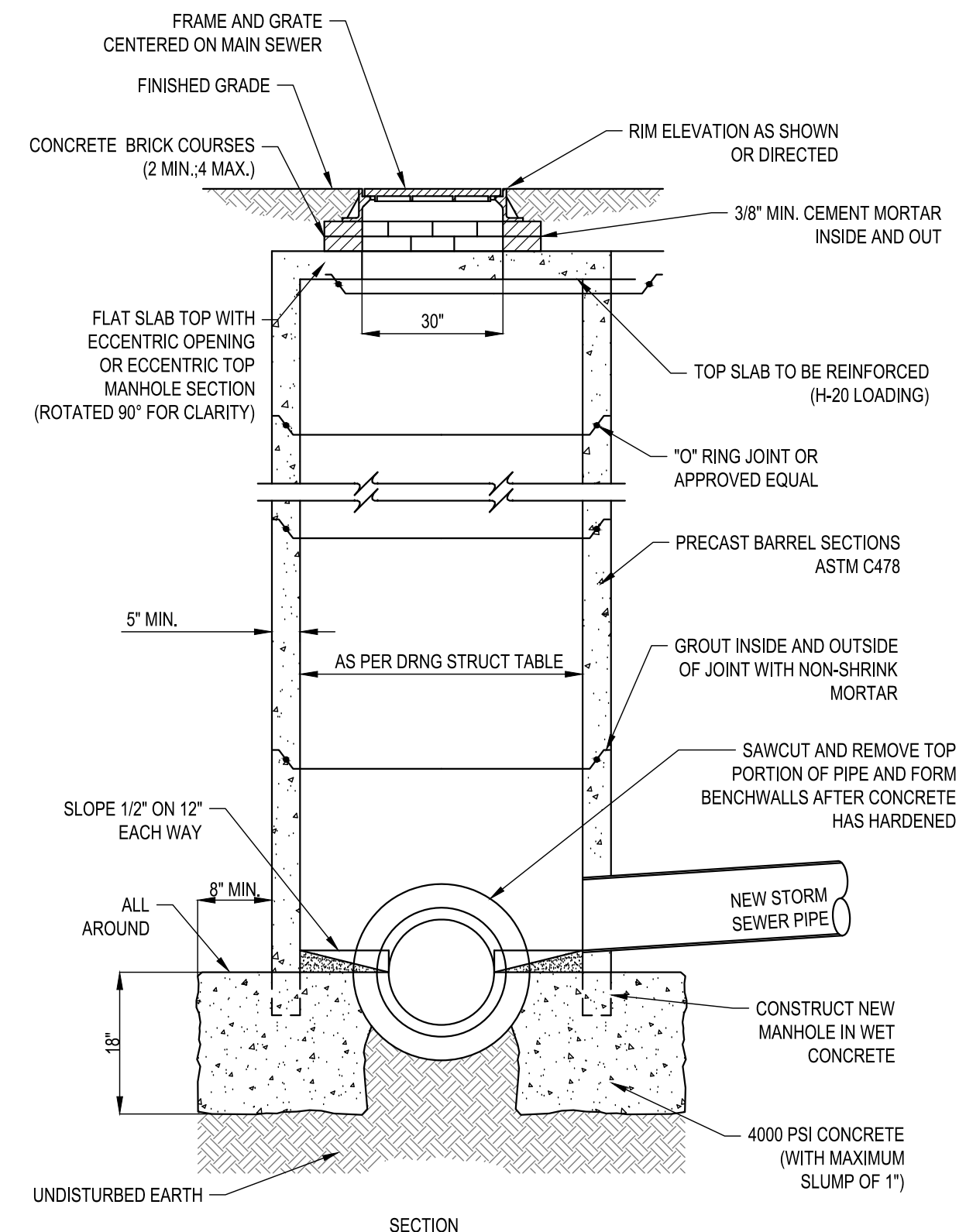
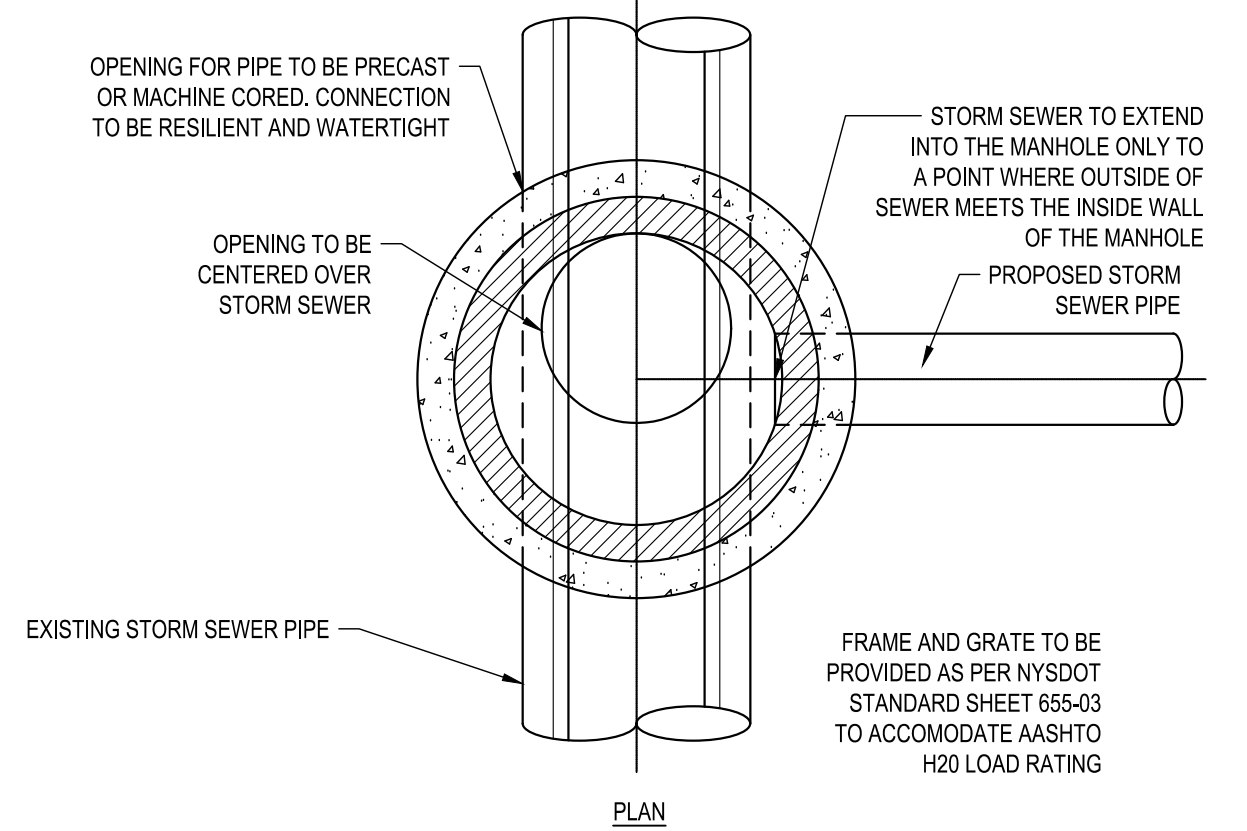
SYM.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
DECIDUOUS TREES					
Ag	1	Acer griseum	Paperbark Maple	2.5-3"	
Ar	1	Acer rubrum	Red Sunset Red Maple	3.5-4"	
Cc	1	Cercis canadensis	Eastern Redbud	2.5-3"	Single stem TF

C1 PLANT SCHEDULE
SCALE: NOT TO SCALE

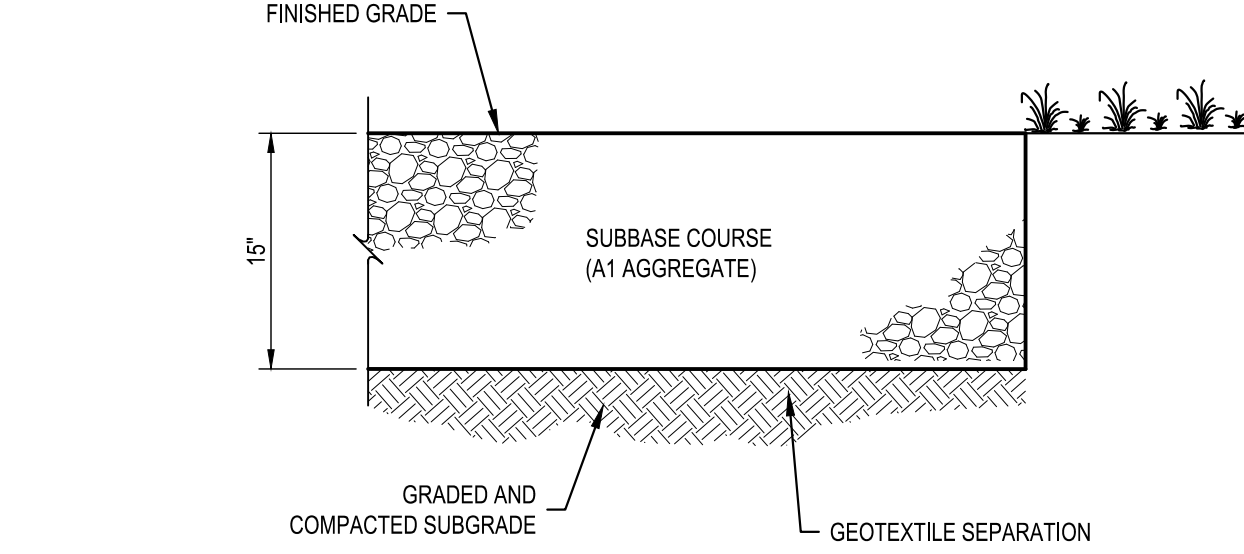


- TREE PROTECTION NOTES**
- ALL TREES NOT LOCATED WITHIN THE LIMITS OF CONSTRUCTION AND OUTSIDE OF DISTURBED AREAS SHALL BE PRESERVED. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL TREES TO BE PRESERVED FROM THEIR ACTIVITIES.
 - ALL TREES SHOWN TO BE RETAINED WITHIN THE LIMITS OF CONSTRUCTION ON THE PLANS, SHALL BE PROTECTED DURING CONSTRUCTION WITH FENCING.
 - TREE PROTECTION FENCES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR GRADING) AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
 - EXCEPTIONS TO INSTALLING TREE FENCES AT THE TREE DRIPLINES OR CRZ, WHICHEVER IS GREATER, MAY BE PERMITTED IN THE FOLLOWING CASES:
 - WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, OR TREE WELL;
 - WHERE PERMEABLE PAVING IS TO BE INSTALLED, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA.
 - WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE NO CLOSER THAN 6 FEET TO THE BUILDING.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE THAT IS CLOSER THAN 6 FEET TO A TREE TRUNK, THE TRUNK SHALL BE PROTECTED BY STRAPPED-ON PLANKING TO A HEIGHT OF 8 FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
 - WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN AREAS OF UNPROTECTED ROOT ZONES UNDER THE DRIPLINE OR CRZ, WHICHEVER IS GREATER, THOSE AREAS SHOULD BE COVERED WITH 4 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION.
 - ALL GRADING WITHIN CRZ AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE. PRIOR TO GRADING, RELOCATE PROTECTIVE FENCING TO 2 FEET BEHIND THE GRADE CHANGE AREA.
 - ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL AND BACKFILLED WITH GOOD QUALITY TOP SOIL WITHIN TWO DAYS. IF EXPOSED ROOT AREAS CANNOT BE BACKFILLED WITHIN 2 DAYS, AN ORGANIC MATERIAL WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION SHALL BE PLACED TO COVER THE ROOTS UNTIL BACKFILL CAN OCCUR.
 - PRIOR TO EXCAVATION OR GRADE CUTTING WITHIN TREE DRIPLINES, A CLEAN CUT SHALL BE MADE WITH A ROCK SAW OR SIMILAR EQUIPMENT.
 - TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES WILL BE WATERED DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. TREE CROWNS ARE TO BE SPRAYED WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON LEAVES.
 - WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, A PLASTIC VAPOR BARRIER SHALL BE PLACED BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE CRZ.
 - PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND CONSTRUCTION EQUIPMENT SHALL TAKE PLACE BEFORE CONSTRUCTION
 - FENCES SHALL COMPLETELY SURROUND THE TREE OR CLUSTERS OF TREES, LOCATED AT THE OUTERMOST LIMITS OF THE TREE BRANCHES (DRIPLINE) OR CRITICAL ROOT ZONE (CRZ), WHICHEVER IS GREATER, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROJECT IN ORDER TO PREVENT THE FOLLOWING:
 - SOIL COMPACTION IN CRZ AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIAL.
 - CRZ DISTURBANCES DUE TO GRADE CHANGES OR TRENCHING
 - WOUNDS TO EXPOSED ROOTS, TRUNK, OR LIMBS BY MECHANICAL EQUIPMENT
 - OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CONCRETE TRUCK CLEANING, AND FIRES.
 - NO TOPSOIL DRESSING GREATER THAN FOUR (4) INCHES SHALL BE PERMITTED WITHIN THE DRIPLINE OR CRZ OF TREES, WHICHEVER IS GREATER. NO TOPSOIL IS PERMITTED ON ROOT FLARES OF ANY TREE.

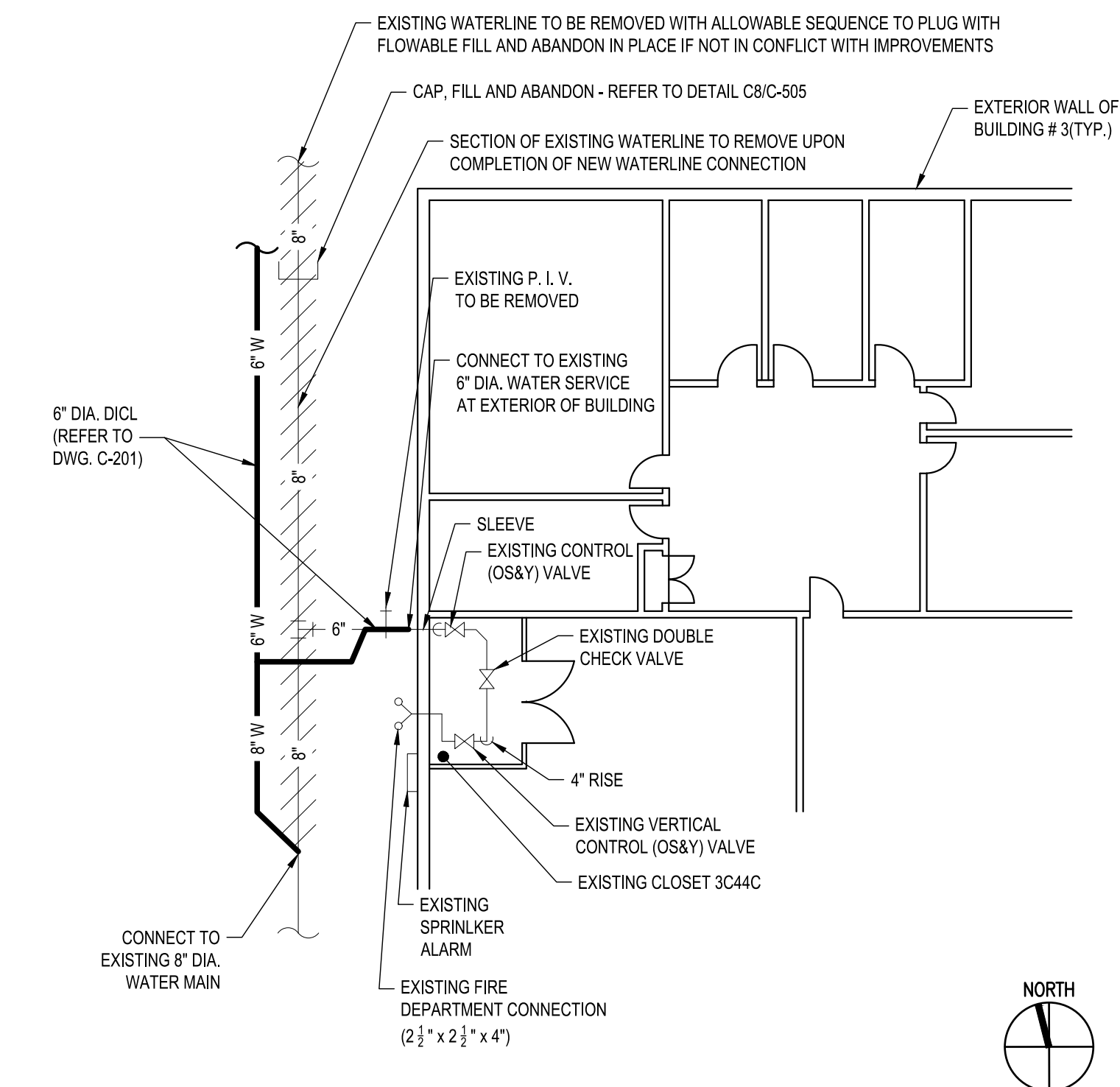
A1 TREE PROTECTION
SCALE: NOT TO SCALE



A5 TYPICAL DOG HOUSE MANHOLE DETAIL
SCALE: NOT TO SCALE



C8 CRUSHED STONE PAVEMENT SECTION
SCALE: NOT TO SCALE



A8 WATER CONNECTION DETAIL AT BUILDING # 3
SCALE: NOT TO SCALE

NEW YORK STATE OF OPPORTUNITY **DASNY**

515 Broadway, Albany, New York 12207-2964
One Penn Plaza, 52 Floor, NY, NY 10119-0098
539 Franklin Street, Buffalo, NY 14202-1109
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Project Key

REVISIONS

Rev No	Description	Date:

NEW YORK STATE OF OPPORTUNITY **Office for People With Developmental Disabilities**

NEW YORK STATE OPWDD
44 HOLLAND AVENUE
ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
249 GLENWOOD ROAD
BINGHAMTON, NEW YORK, 13901

Drawing Title
DETAILS

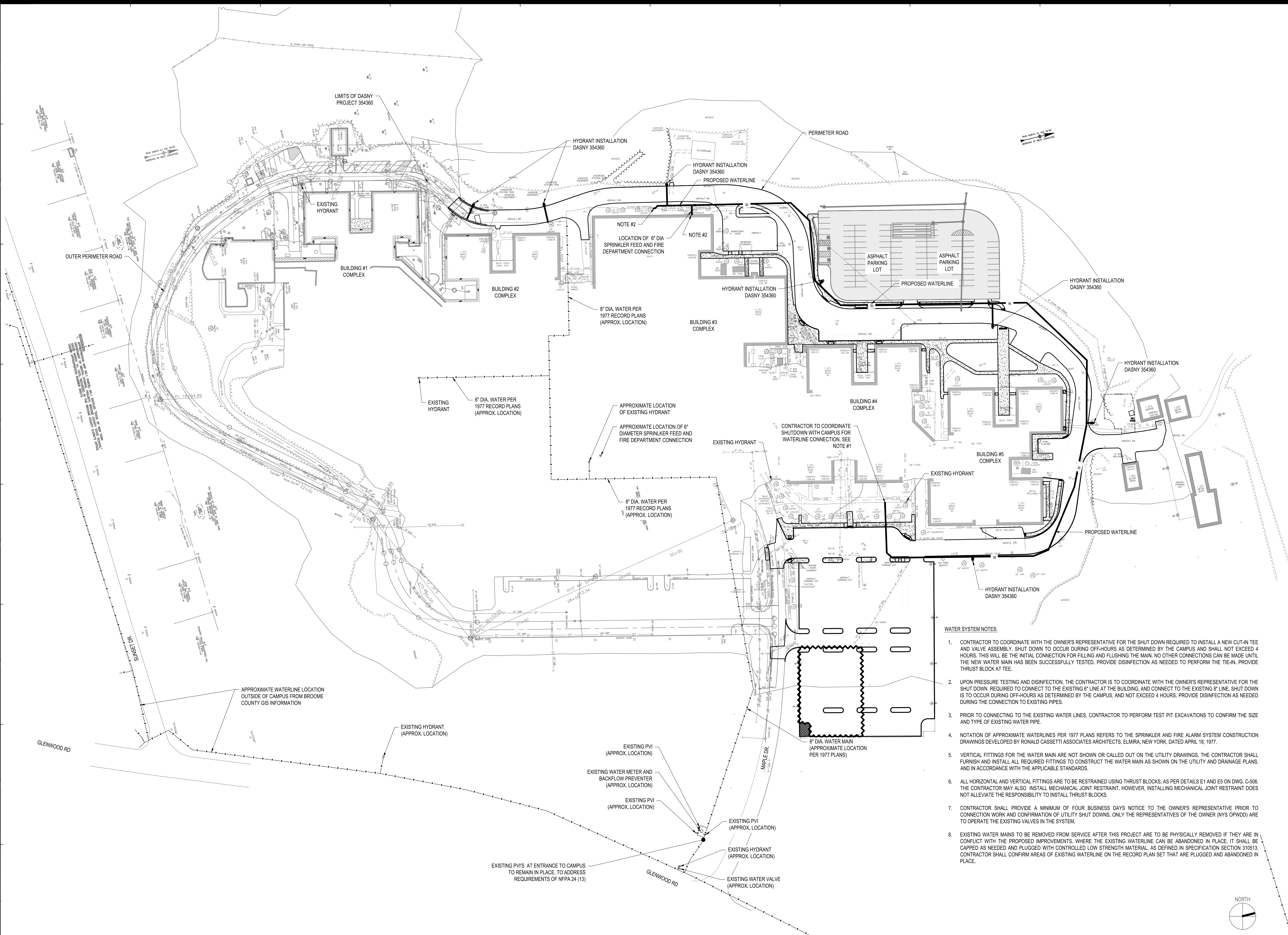
Phase
BID DOCUMENTS

Drawn By: **NJS** Checked By: **DHW** Date: **9/20/2024**

Seal & Signature: **BRIGHT H. VETTER** DASNY Project No: **354360**

Professional Engineer Drawing Number: **C-509**

58 OF 66



Project Key



REVISIONS

Rev No	Description	Date

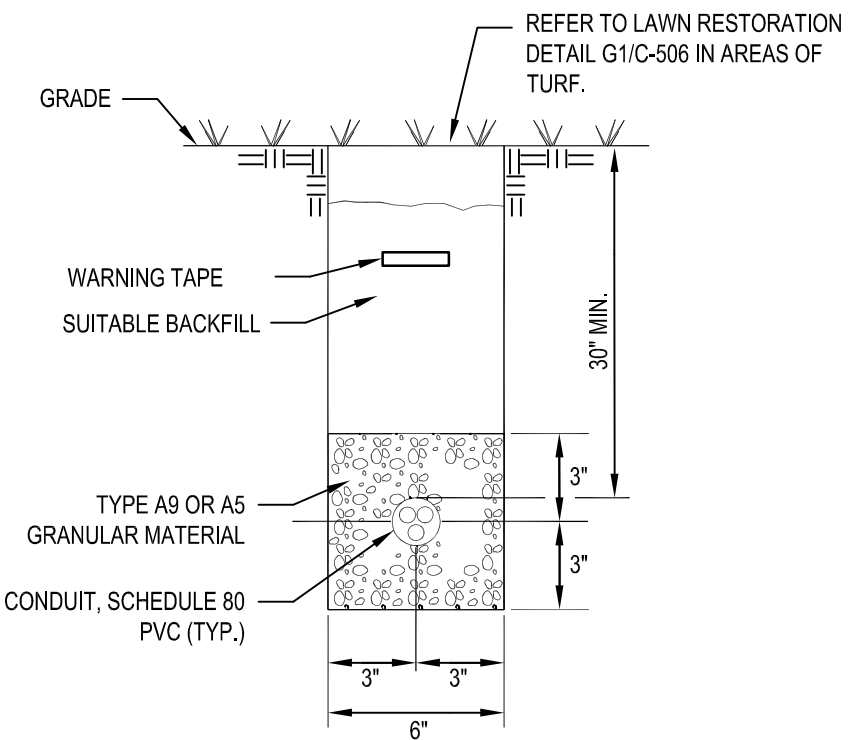
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 Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208
 Project Title
BROOMIE DDSO ROAD PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

OVERALL WATER PLAN AND PHASING NOTES

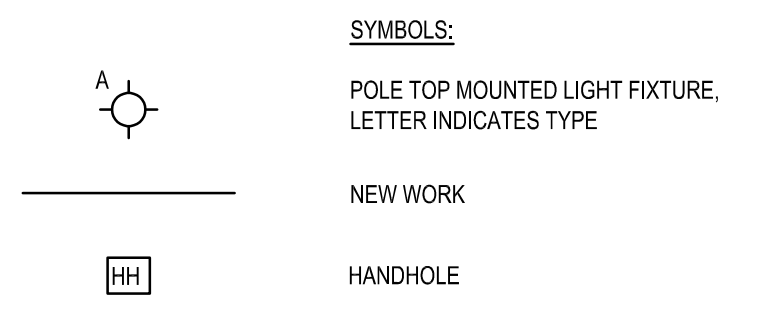
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Drawn By: **DGB** Checked By: **DHW** Date: **9/20/2024**
 DASNY Project No: **354360**
 Drawing Number: **C-510**
 Drawing 59 of 66

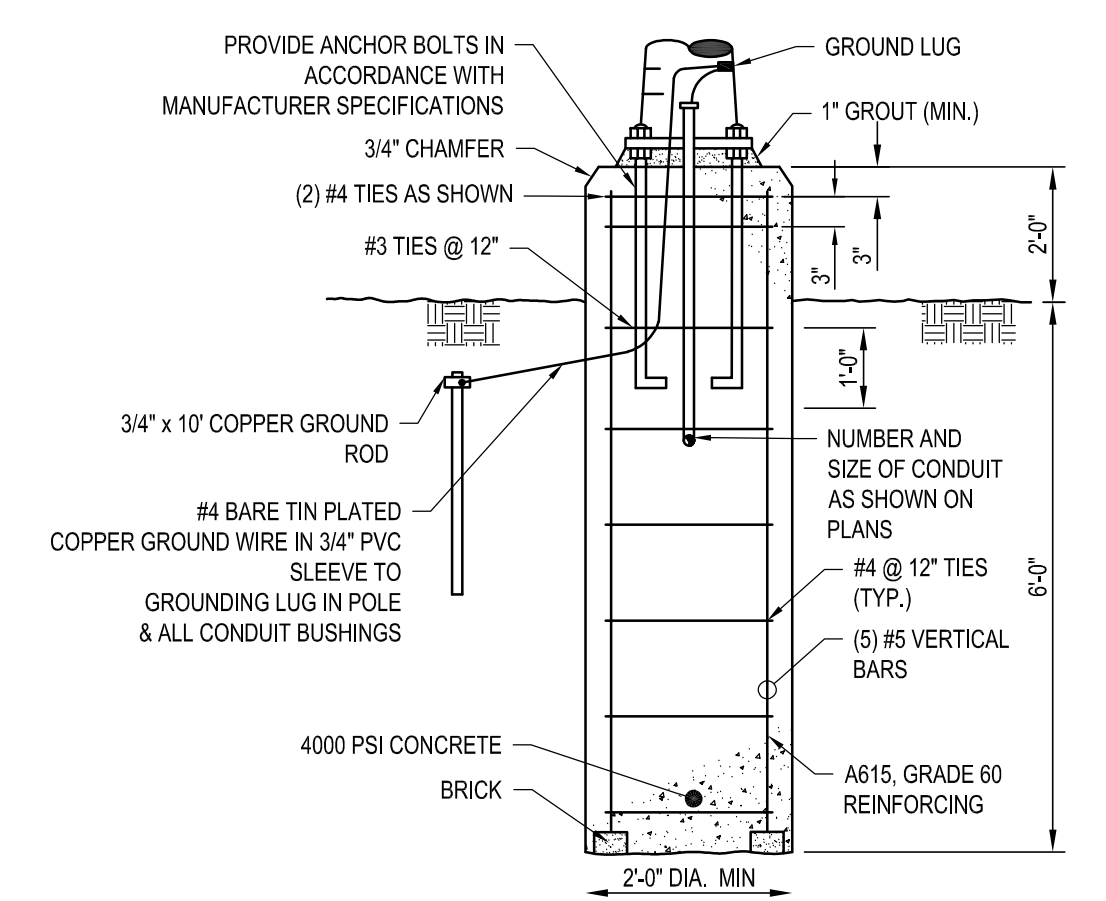
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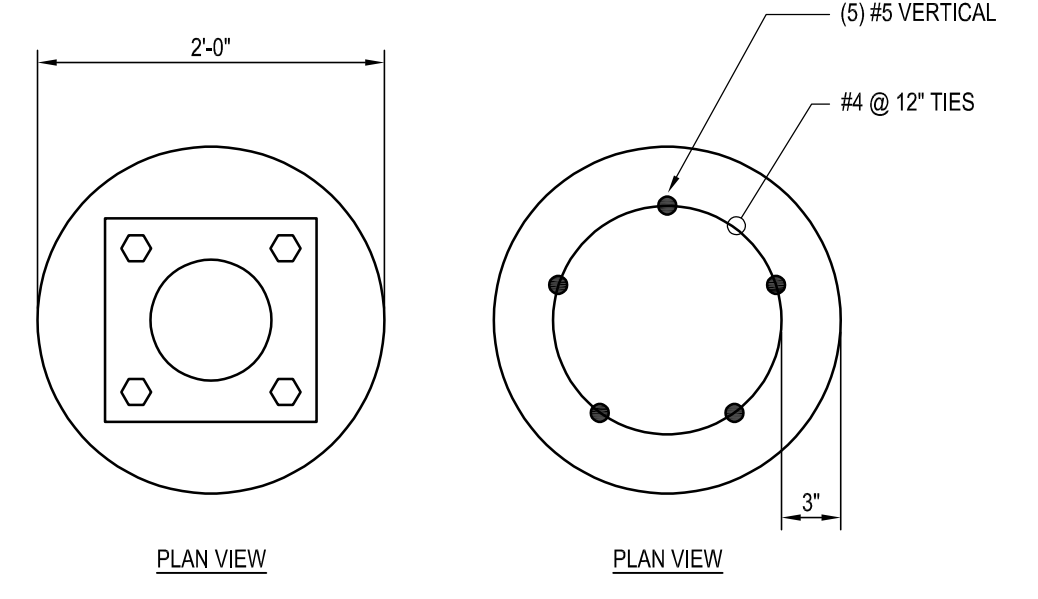
C1 CONDUIT TRENCH DETAIL
 SCALE: NOT TO SCALE



C3 ELECTRICAL SYMBOLS
 SCALE: NOT TO SCALE

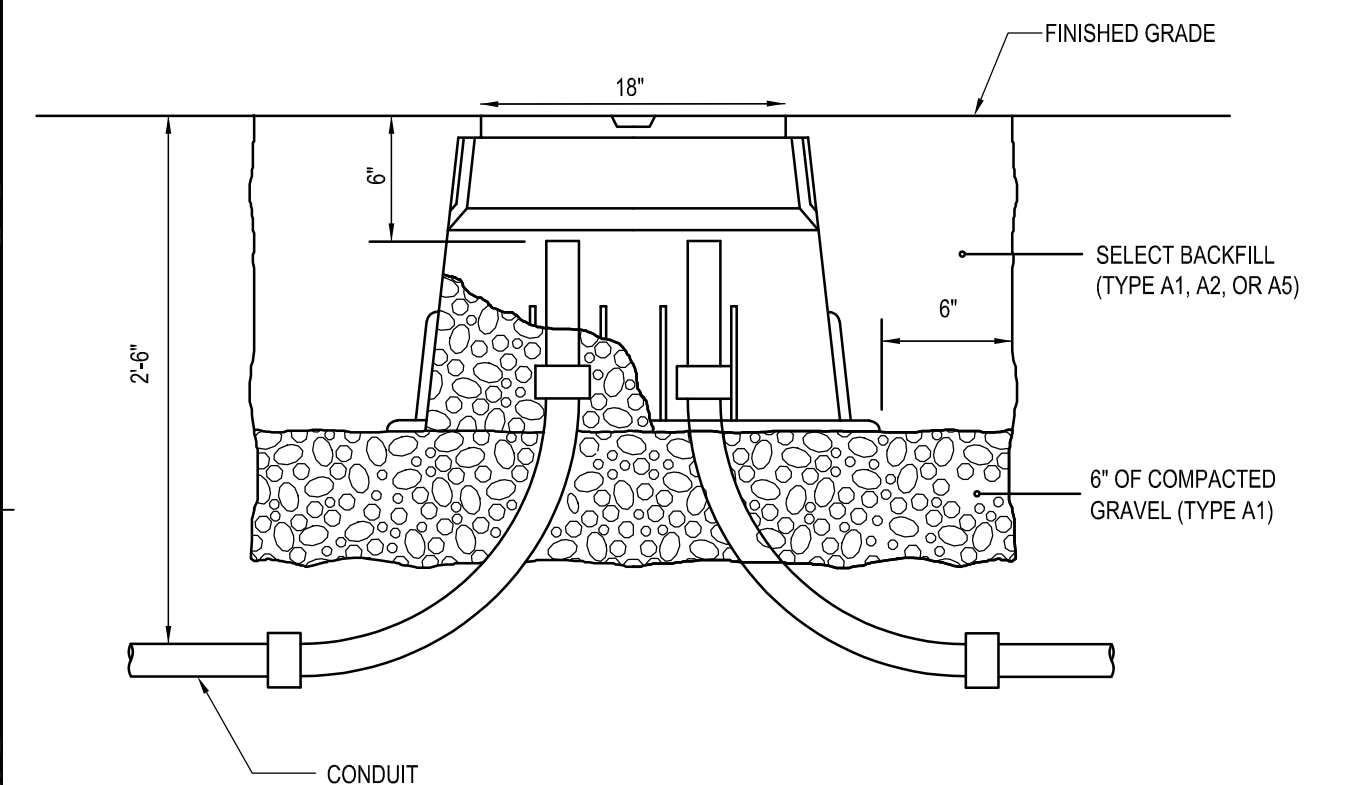


B1 LIGHT POLE FOUNDATION DETAIL
 SCALE: NOT TO SCALE



GENERAL NOTES:

- ALL ELECTRICAL WORK SHALL CONFORM TO ALL STATE, LOCAL, AND THE NATIONAL ELECTRICAL CODE 2017 EDITION (NFPA 70).
- ELECTRICAL CHARACTERISTICS SHALL BE VERIFIED WITH EQUIPMENT MANUFACTURER.
- ITEMS OF SPECIFIC MANUFACTURERS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTIONS AND/OR MANUFACTURER'S REPRESENTATIVE'S DIRECTIONS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS AND DIMENSIONS SHOWN ON DRAWINGS.
- ALL CONDUIT AND WIRING SCHEDULES SHALL BE VERIFIED BEFORE INSTALLATION.
- CONTRACTOR SHALL STAKE THE LOCATION OF EACH PROPOSED LIGHT POLE FOUNDATION AND REVIEW WITH THE OWNERS REPRESENTATIVE PRIOR TO THE INSTALLATION OF THE POLE FOUNDATION.
- ALL AREAS DISTURBED BY WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ORIGINAL AS DETERMINED BY THE OWNERS REPRESENTATIVE.
- THE CONTRACTOR SHALL PROVIDE RACEWAYS, WIRING, AND CONNECTIONS FOR ALL CONTROL CIRCUITS AND INTERLOCK.
- ALL ELECTRICAL CONDUIT AND CONDUCTORS DISCONNECTED AND NOT TO BE REUSED SHALL BE REMOVED.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE STARTING WORK. IF ONLY A PORTION OF AN EXISTING CIRCUIT IS BEING REMOVED FOR DEMOLITION, CONTINUITY SHALL BE MAINTAINED TO THE REST OF THE REMAINING CIRCUIT.
- ALL BRANCH CIRCUITS SHALL CONSIST OF 2 CONDUCTORS PLUS GROUND, UNLESS OTHERWISE SHOWN. NO SHARED NEUTRALS.
- PROVIDE SUBMITTALS FOR ALL EQUIPMENT BEING PROVIDED IN CONTRACT.
- REMOVE EXISTING CEILING TILES AS REQUIRED TO PERFORM WORK ABOVE CEILING. REPLACE CEILING TILES THAT ARE DAMAGED FROM CONSTRUCTION WORK.



A1 HANDHOLE DETAIL
 SCALE: NOT TO SCALE

A3 ELECTRICAL GENERAL NOTES
 SCALE: NOT TO SCALE

MASTER LUMINAIRE SCHEDULE

FIXTURE DESCRIPTION	MANUFACTURER & MODEL NO.	NUMBER AND TYPE OF LAMP	VOLTS	BALLAST	MOUNTING	REMARKS
A	LITHONIA DSX1 SERIES / DSX1-LED-P2-40K-T2M-208-DF	70 WATT / LED	208V	NA	SQUARE POLE 21'	COLOR: BLACK
B	LITHONIA DSX1 SERIES / DSX1-LED-P2-40K-T2M-208-DF	54 WATT / LED	208V	NA	SQUARE POLE 21'	COLOR: BLACK
C	LITHONIA DSX1 SERIES / DSX1-LED-P1-40K-BLC-208-DF	54 WATT / LED	208V	NA	SQUARE POLE 21'	COLOR: BLACK
D	LITHONIA DSX1 SERIES / DSX1-LED-P1-40K-T5W-208-DF	38 WATT / LED	208V	NA	SQUARE POLE 16'	COLOR: BLACK
E	LITHONIA DSX1 SERIES / DSX1-LED-P1-40K-T5M-208-DF	54 WATT / LED	208V	NA	SQUARE POLE 21'	COLOR: BLACK

A6 LUMINAIRE SCHEDULE
 SCALE: NOT TO SCALE

Project Key

REVISIONS

Rev No	Description	Date:

NEW YORK STATE Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
NOTES, SYMBOLS, DETAILS AND SCHEDULES

Phase
BID DOCUMENTS

Drawn By: **AMK** Checked By: **JLR** Date: **9/20/2024**

Seal & Signature: [Professional Engineer Seal]

DASNY Project No: **354360**
 Drawing Number: **E-001**

EXPIRATION: 10/31/2026
 Drawing 60 of 66

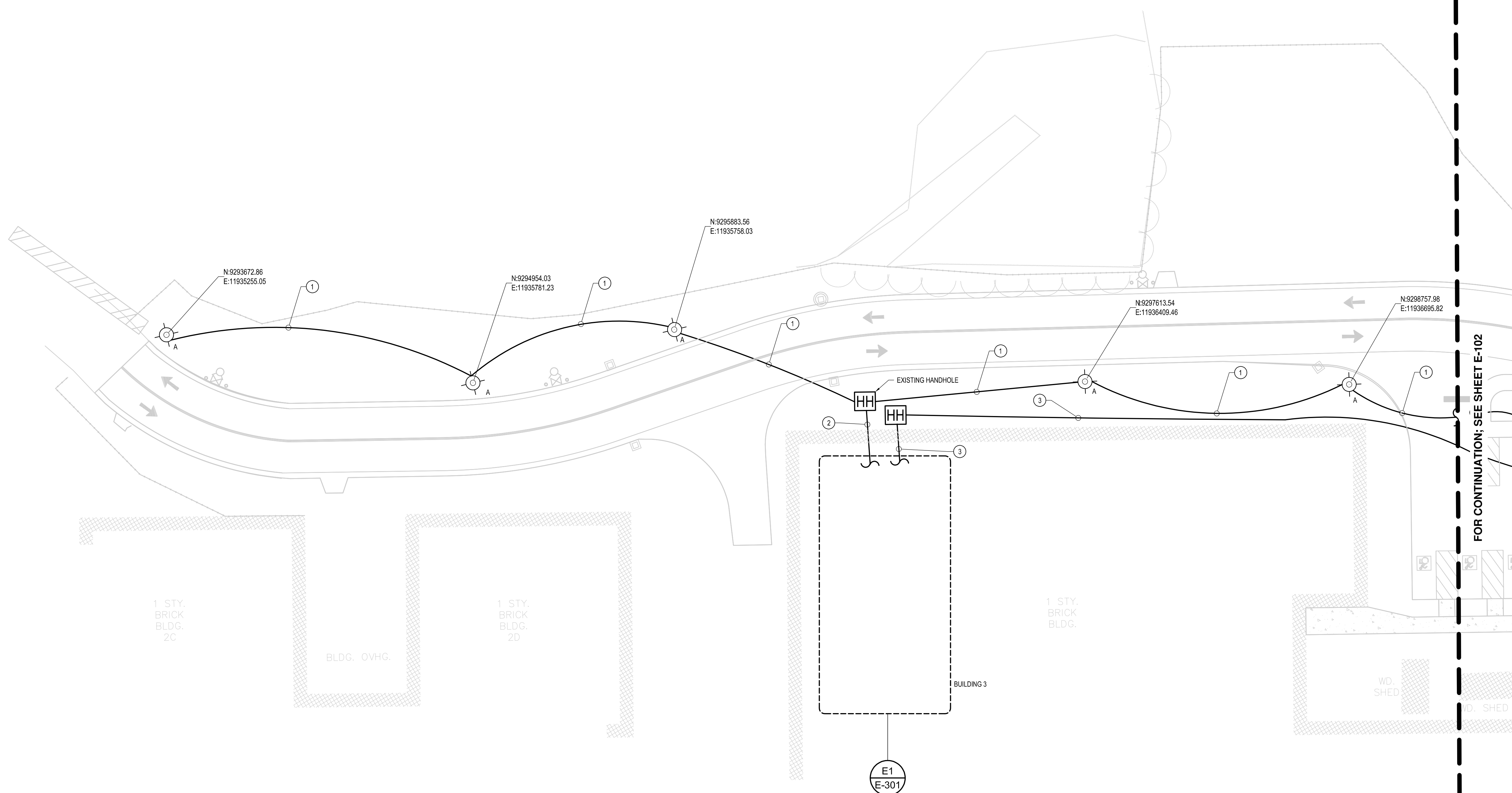
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 Fax: 315-455-9667

- CONDUIT/CABLE SCHEDULE:
- ① 2#8 AWG, 1#8 AWG GND., 1-1" SCHEDULE 80 PVC CONDUIT.
 - ② 2#8 AWG, 1#8 AWG GND., 1-1" EXISTING CONDUIT TO BLDG. 3 ELECTRICAL ROOM.
 - ③ 1-1" SCHEDULE 80 PVC CONDUIT (SPARE) TO NEW 18"X18" HANDHOLE



Project Key

REVISIONS

Rev No	Description	Date:

NEW YORK STATE DEPARTMENT OF SOCIAL SERVICES
 Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
 ALBANY, NEW YORK, 12208

Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
LIGHTING PLAN

Phase
BID DOCUMENTS

Drawn By: **AMK** Checked By: **JLR** Date: **9/20/2024**

Seal & Signature

 DASNY Project No: **354360**
 Drawing Number: **E-101**

EXPIRATION: 10/31/2026
 Drawing 61 of 66

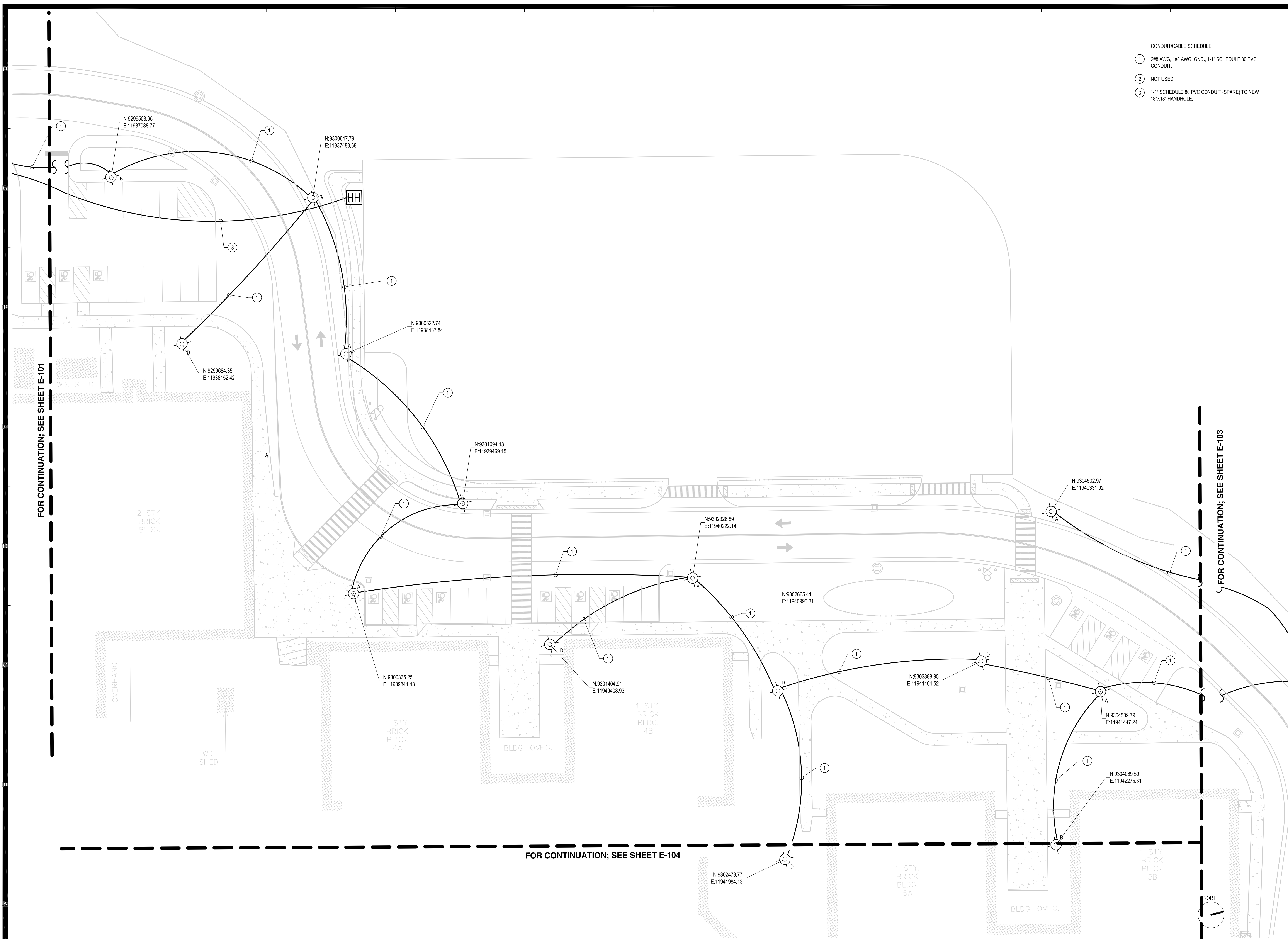
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- CONDUIT/CABLE SCHEDULE:
- ① 2#8 AWG, 1#8 AWG, GND., 1-1" SCHEDULE 80 PVC CONDUIT.
 - ② NOT USED
 - ③ 1-1" SCHEDULE 80 PVC CONDUIT (SPARE) TO NEW 18"X18" HANDHOLE.



Project Key

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Rev. No.	Description	Date:

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Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

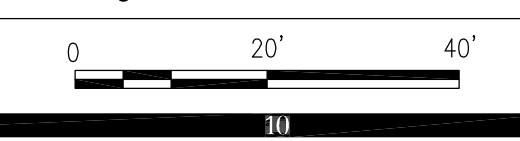
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LIGHTING PLAN

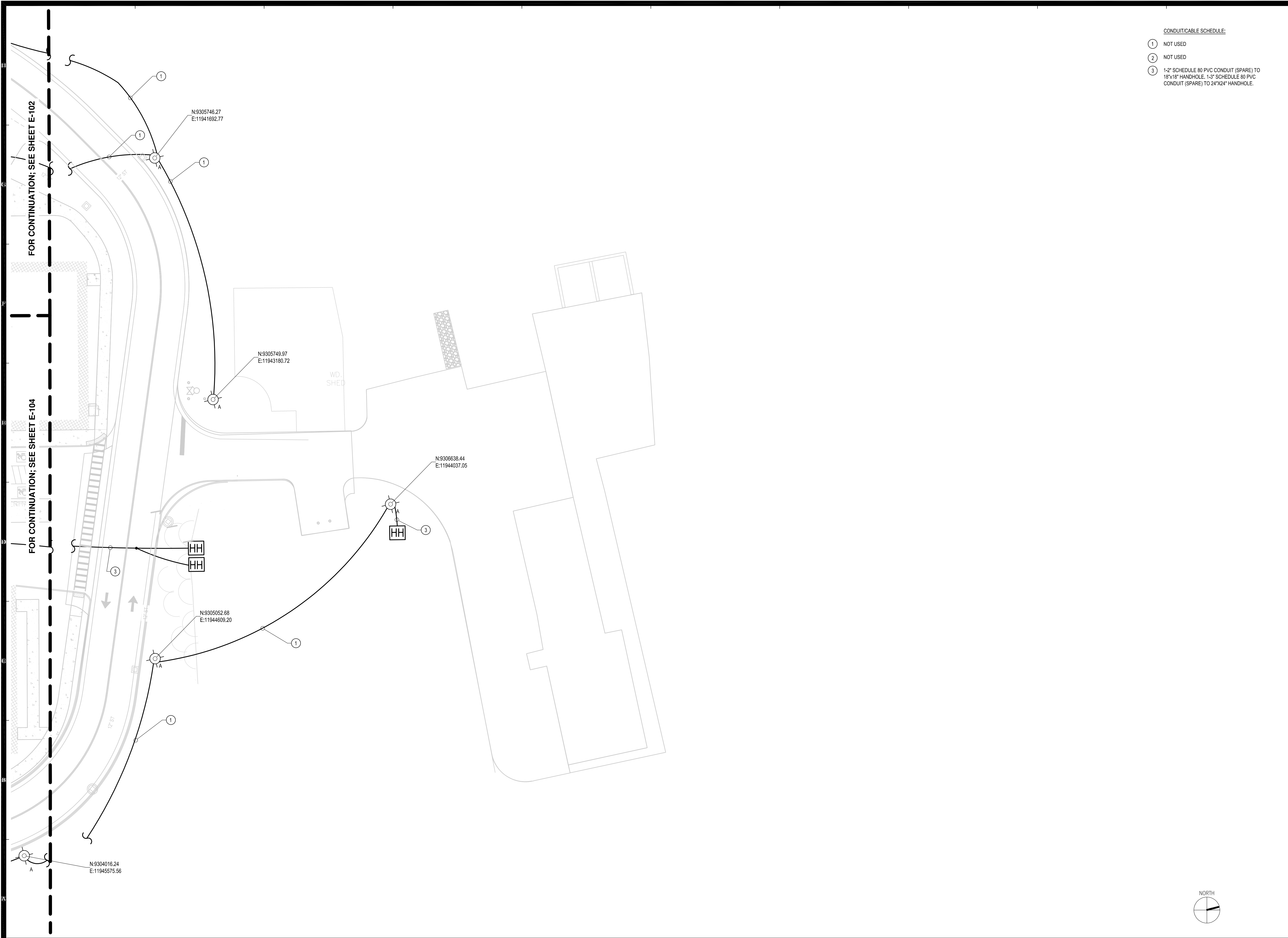
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Drawn By: **AMK** Checked By: **JLR** Date: **9/20/2024**

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 **354360**
 Drawing Number

E-102
 Drawing 62 of 66
 EXPIRATION: 10/31/2026

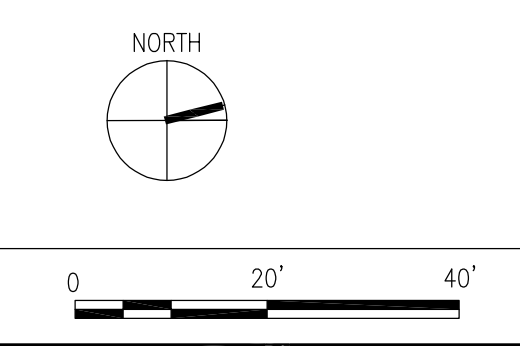




- CONDUIT/CABLE SCHEDULE:
- ① NOT USED
 - ② NOT USED
 - ③ 1-2" SCHEDULE 80 PVC CONDUIT (SPARE) TO 18"x18" HANDHOLE, 1-3" SCHEDULE 80 PVC CONDUIT (SPARE) TO 24"x24" HANDHOLE.

A1 SITE LIGHTING PLAN

SCALE: 1" = 20'



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Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
LIGHTING PLAN

Phase
BID DOCUMENTS

Drawn By: **AMK** Checked By: **JLR** Date: **9/20/2024**

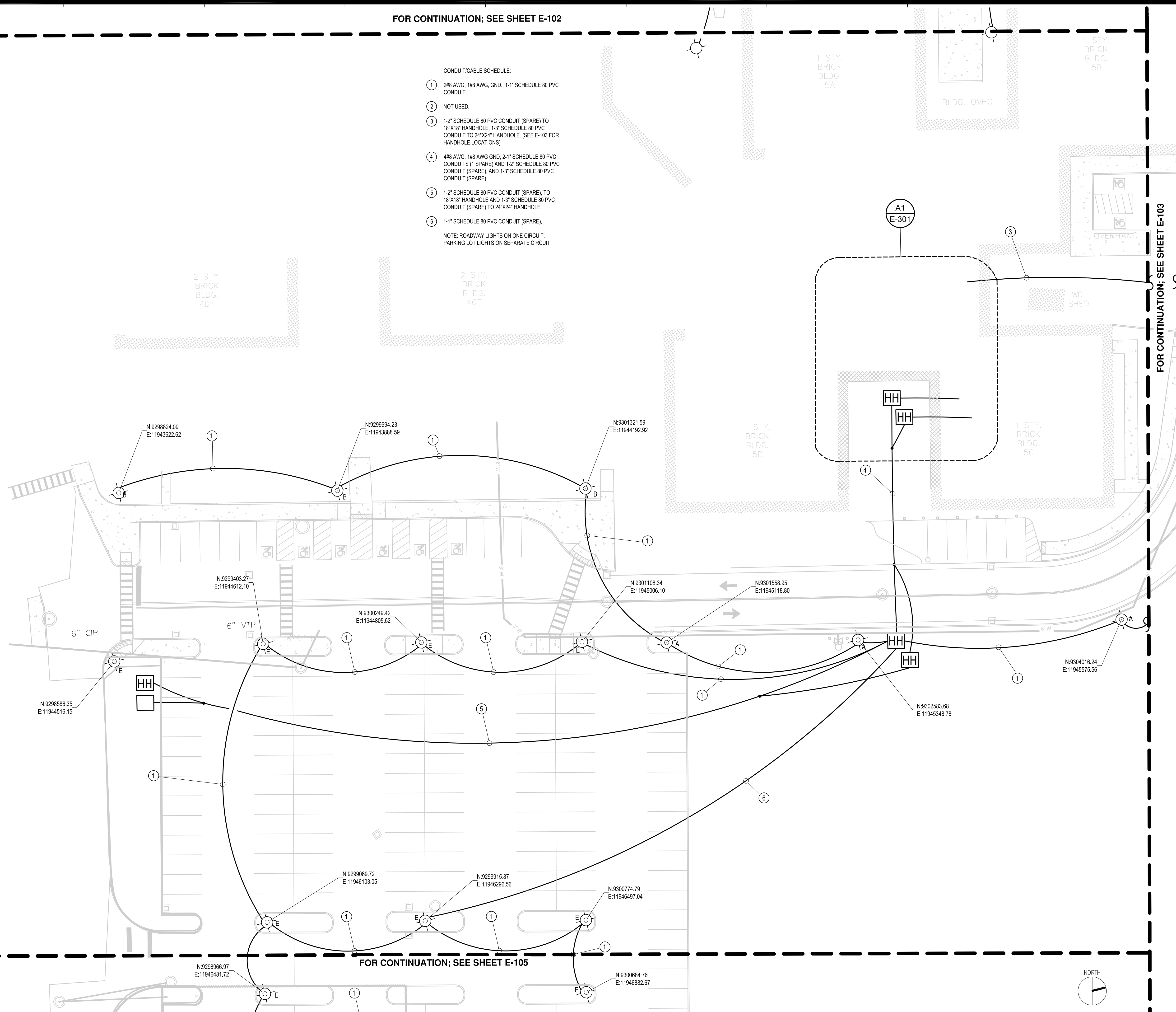
Seal & Signature
 State of New York Professional Engineer
 Drawing Number: **354360**
E-103
 Drawing 63 of 66
 EXPIRATION: 10/31/2026

FOR CONTINUATION; SEE SHEET E-102

CONDUIT/CABLE SCHEDULE:

- ① 2#8 AWG, 1#8 AWG GND., 1-1" SCHEDULE 80 PVC CONDUIT.
- ② NOT USED.
- ③ 1-2" SCHEDULE 80 PVC CONDUIT (SPARE) TO 18"X18" HANDHOLE, 1-3" SCHEDULE 80 PVC CONDUIT TO 24"X24" HANDHOLE. (SEE E-103 FOR HANDHOLE LOCATIONS)
- ④ 4#8 AWG, 1#8 AWG GND, 2-1" SCHEDULE 80 PVC CONDUITS (1 SPARE) AND 1-2" SCHEDULE 80 PVC CONDUIT (SPARE), AND 1-3" SCHEDULE 80 PVC CONDUIT (SPARE).
- ⑤ 1-2" SCHEDULE 80 PVC CONDUIT (SPARE) TO 18"X18" HANDHOLE AND 1-3" SCHEDULE 80 PVC CONDUIT (SPARE) TO 24"X24" HANDHOLE.
- ⑥ 1-1" SCHEDULE 80 PVC CONDUIT (SPARE).

NOTE: ROADWAY LIGHTS ON ONE CIRCUIT, PARKING LOT LIGHTS ON SEPARATE CIRCUIT.



FOR CONTINUATION; SEE SHEET E-105

FOR CONTINUATION; SEE SHEET E-103

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Project Key

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Rev No	Description	Date:


NEW YORK STATE DEPARTMENT OF SOCIAL SERVICES
 Office for People With Developmental Disabilities
NEW YORK STATE OPWDD
 44 HOLLAND AVENUE
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Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
LIGHTING PLAN

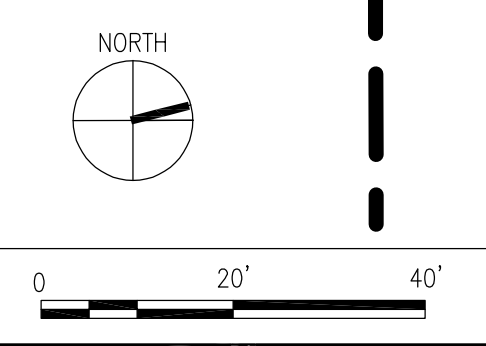
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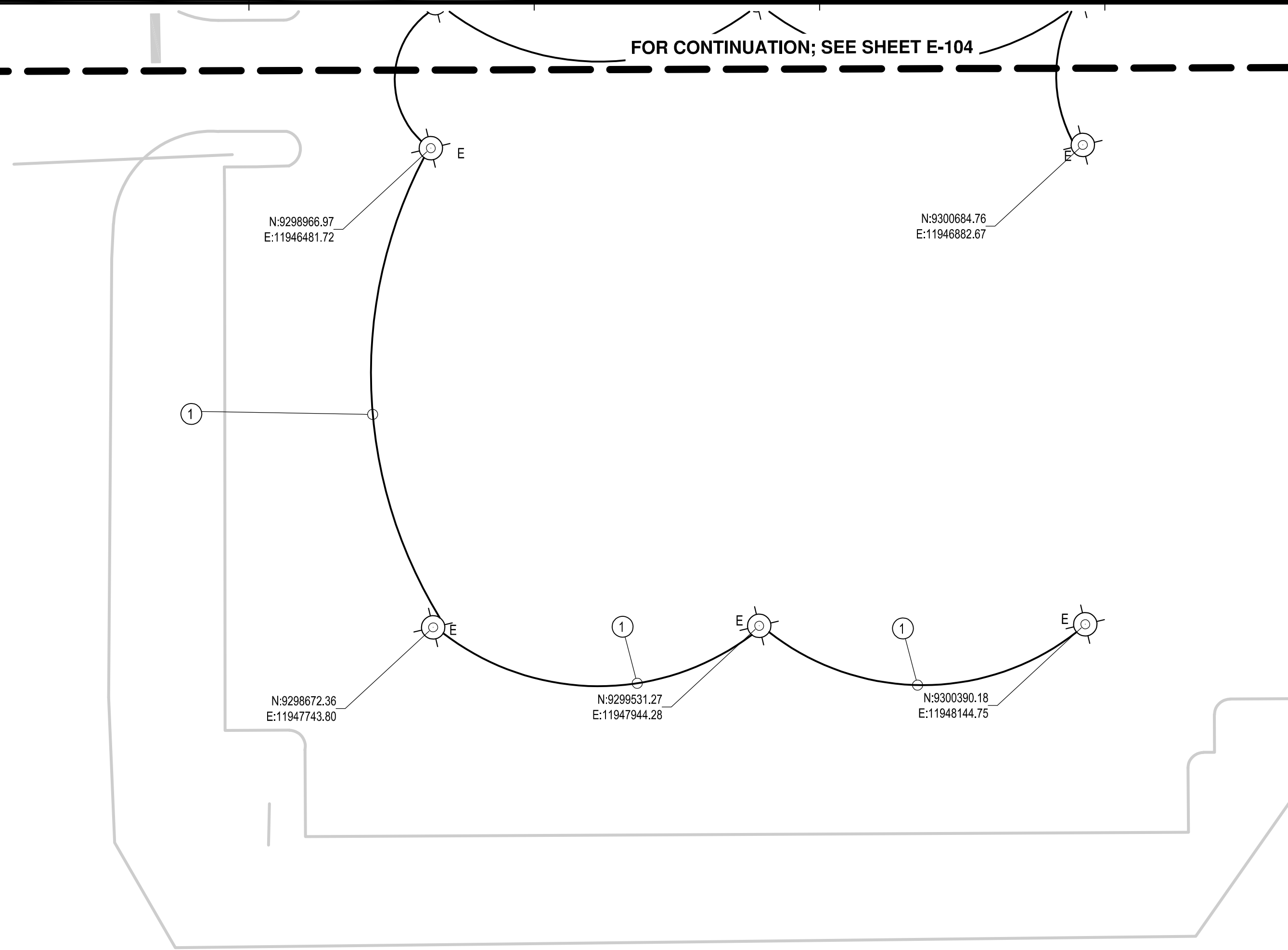
DASNY Project No: **354360**
 Drawing Number: **E-104**
 Drawing 64 of 66

EXPIRATION: 10/31/2026



FOR CONTINUATION; SEE SHEET E-104

CONDUIT/CABLE SCHEDULE:
① 2#8 AWG, 1#8 AWG, GND., 1-1" SCHEDULE 80 PVC CONDUIT.



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Project Key

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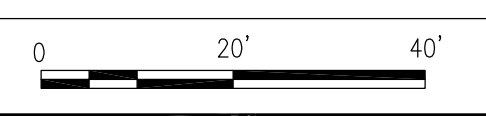
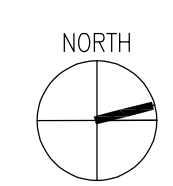
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Project Title
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PARKING-EXPANSION**
249 GLENWOOD ROAD
BINGHAMTON, NEW YORK, 13901

Drawing Title
LIGHTING PLAN

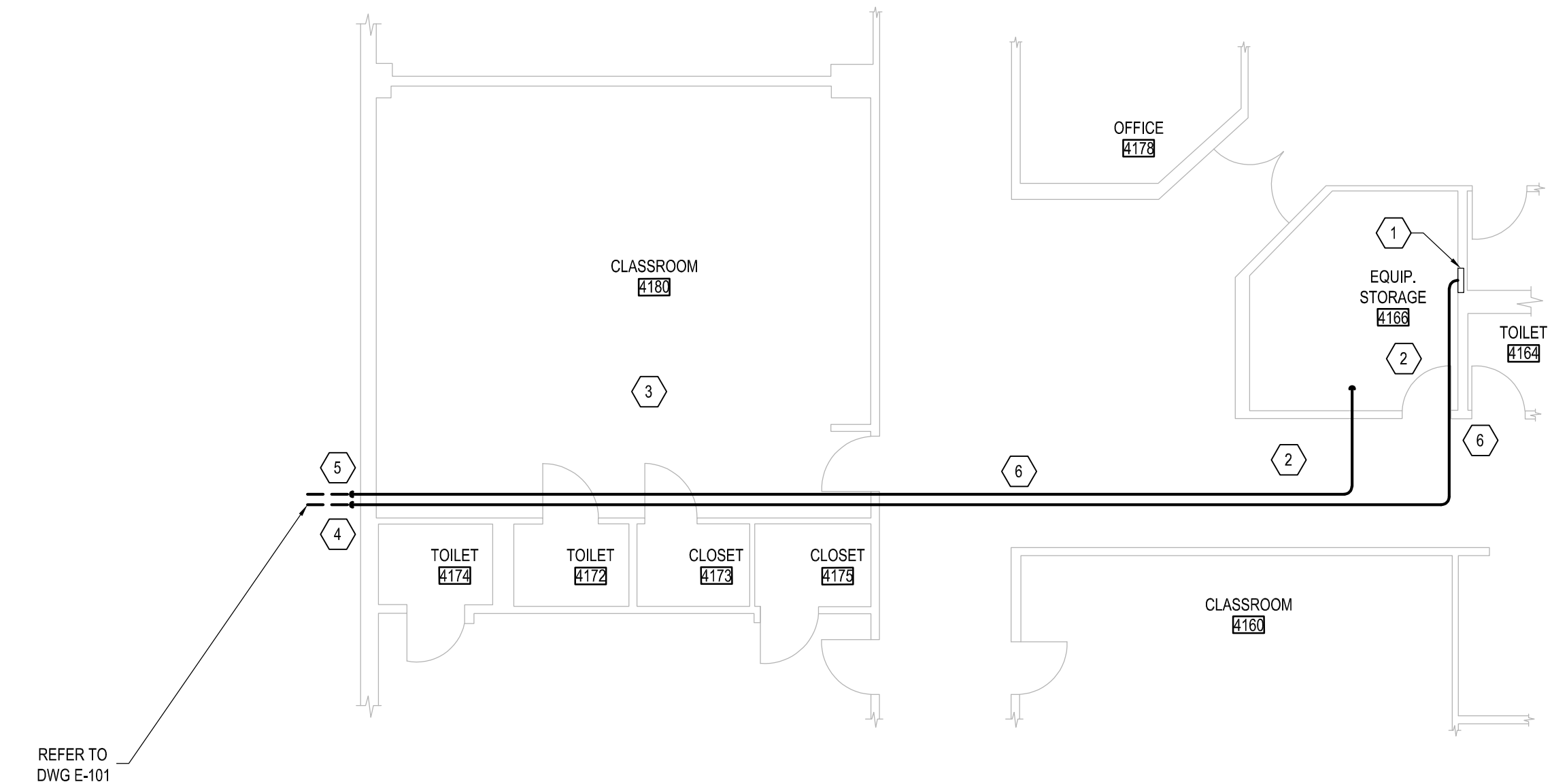
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Drawn By: **AMK** Checked By: **JLR** Date: **9/20/2024**

DASNY Project No: **354360**
Drawing Number: **E-105**
Drawing 65 of 66
EXPIRATION: 10/31/2026

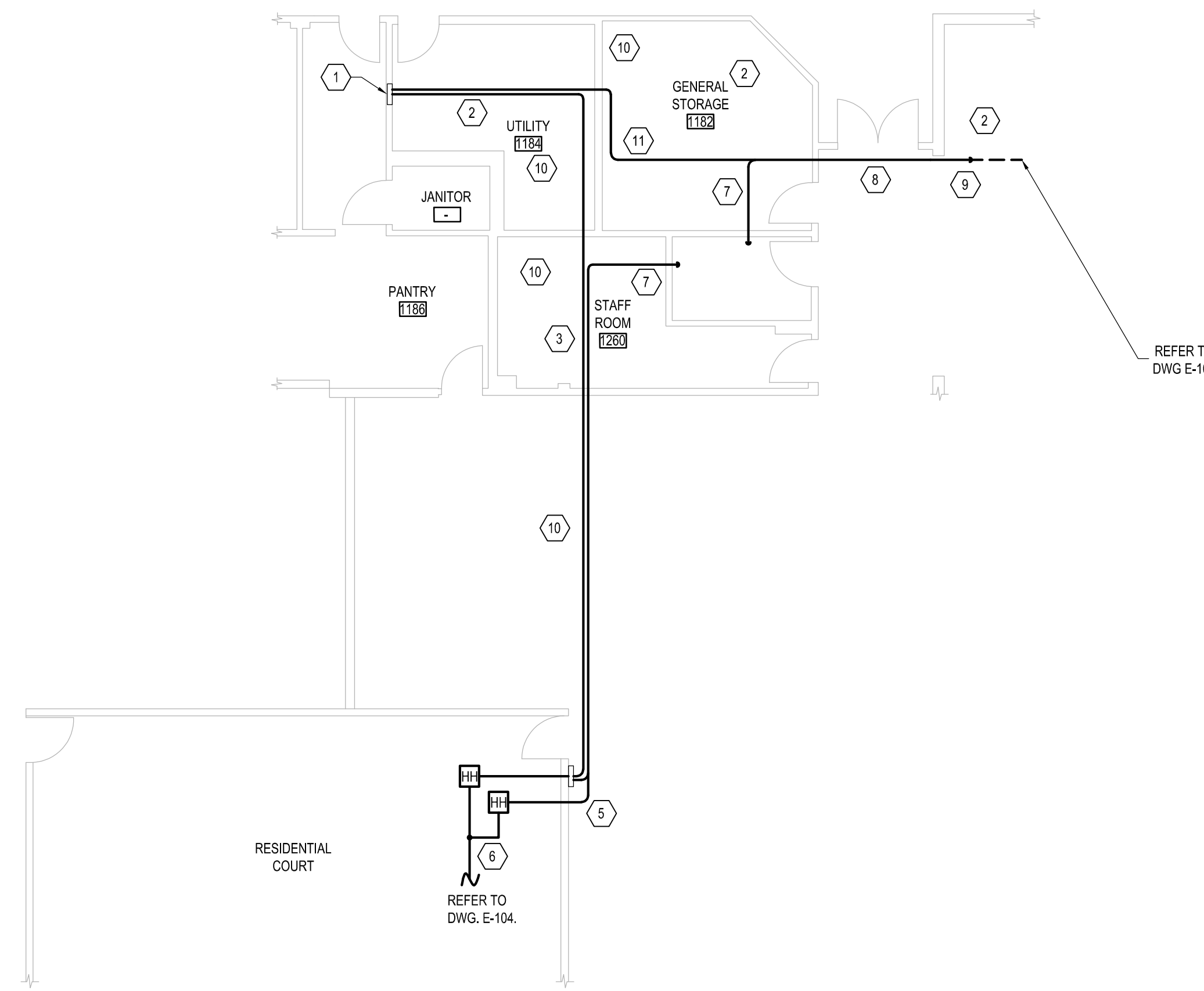


- KEYED NOTES:**
- 1 EXISTING RECESSED SITE LIGHTING PANELBOARD, PROVIDE 1-20A-2P, 10KAIC CIRCUIT BREAKER FOR LIGHTING CIRCUIT (1-208V CIRCUIT) PANEL SQUARE D TYPE NQ. PROVIDE UPDATED TYPED CIRCUIT DIRECTORY.
 - 2 EXISTING EMT CONDUIT ABOVE HARD CEILING, 2-1" CONDUITS, (1 SPARE) 2-#8 AWG, 1-#8 GND IN SPARE CONDUIT, EXISTING ACCESS PANELS IN AREA TO ALLOW WORK.
 - 3 EXISTING EMT CONDUITS ABOVE SPLINE CEILING, 2-1" CONDUITS.
 - 4 EXISTING 2-1" RGS CONDUITS BURIED TO HANDHOLE.
 - 5 NEW 1-1" RGS CONDUIT BURIED TO NEW 18"X18" HANDHOLE.
 - 6 NEW 1" EMT ABOVE SPLINE CEILING, STUB INTO EQUIPMENT STORAGE ROOM TO ACCESSIBLE LOCATION.



E1 BUILDING 3 PARTIAL PLAN
 SCALE: 1/8" = 1'-0"

- KEYED NOTES:**
- 1 EXISTING RECESSED SITE LIGHTING PANELBOARD, PROVIDE 2-20A-2P, 10KAIC CIRCUIT BREAKERS FOR LIGHTING CIRCUITS (2-208V CIRCUITS), PROVIDE UPDATED TYPED CIRCUIT DIRECTORY.
 - 2 EMT CONDUIT ABOVE HARD CEILING, 1-1" CONDUIT AND 1-3" CONDUIT (SPARE), 4-#8 AWG, 1-#8 GND IN ACTIVE CONDUIT, EXISTING ACCESS PANELS IN AREA TO ALLOW WORK, TERMINATE SPARE NEAR ACCESS PANEL IN CEILING.
 - 3 EMT CONDUIT ABOVE HARD CEILING, 2-1" CONDUITS (1 SPARE) AND 2-2" CONDUITS (SPARES), 4#8 AWG, 1#8 GND IN ACTIVE CONDUIT, ACCESS PANELS IN AREA TO ALLOW WORK.
 - 4 EMT CONDUIT ABOVE SPLINE CEILING, 2-1" CONDUITS (1 SPARE) AND 2-2" CONDUITS (SPARES), 4#8 AWG, 1#8 GND IN ACTIVE CONDUIT.
 - 5 RUN CONDUITS DOWN WALL, CORE DRILL WALL 12" AFF AND USE LB'S TO EXIT BUILDING, CONDUITS OUTSIDE TO HANDHOLES SHALL BE RGS.
 - 6 SCHEDULE 80, PVC, 2-1" CONDUITS (1 SPARE) AND 2-2" CONDUITS (SPARES) 4#8 AWG, 1#8 AWG GND IN ACTIVE CONDUIT.
 - 7 2" EMT CONDUITS (SPARES) TO DATA CLOSET.
 - 8 RUN CONDUIT DOWN WALL ADJACENT TO EXISTING CONDUIT, CORE DRILL THROUGH WALL AT 12" AFF, SEAL OPENING WATER TIGHT.
 - 9 1-2" AND 1-3" SCHEDULE 80 PVC BURIED CONDUIT TO HANDHOLES.
 - 10 CONSIDER ALL WALLS AS 1-HOUR FIRE RATED, PROVIDE FIRE SEALANTS AT WALL PENETRATIONS PER SPECIFICATIONS.
 - 11 EMT CONDUIT ABOVE HARD CEILING, 1-3" CONDUIT (SPARE), TERMINATE SPARE NEAR ACCESS PANEL IN CEILING.
- GENERAL NOTES:**
- TERMINATE SPARE CONDUITS IN PANELBOARD.



A1 BUILDING 5 PARTIAL PLAN
 SCALE: 1/8" = 1'-0"

Project Key

REVISIONS

Rev/No	Description	Date:


NEW YORK STATE DEPARTMENT OF CORRECTIONS
NEW YORK STATE OPWDD
 Office for People With Developmental Disabilities
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Project Title
BROOME DDSO ROAD-PARKING-EXPANSION
 249 GLENWOOD ROAD
 BINGHAMTON, NEW YORK, 13901

Drawing Title
PARTIAL ELECTRICAL PLANS

Phase
BID DOCUMENTS

Drawn By: **AMK** Checked By: **JLR** Date: **9/20/2024**

Seal & Signature

JEFFREY L. ROBERTS
 PROFESSIONAL ENGINEER

DASNY Project No: **354360**
 Drawing Number: **E-301**
 Drawing 66 of 66

EXPIRATION: 10/31/2026