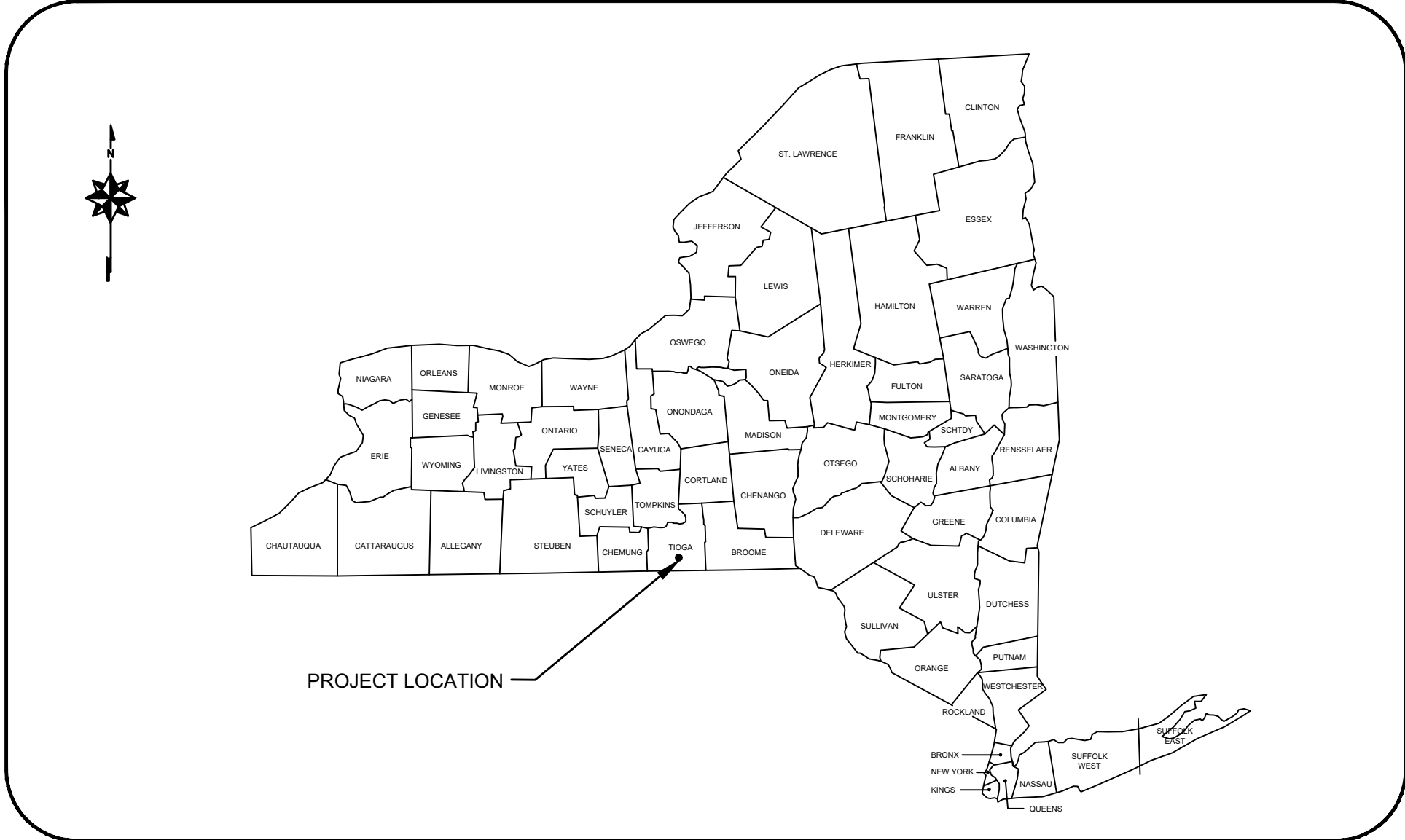


ENGINEERING DRAWINGS FOR OWEGO (V) DOWNTOWN REVITALIZATION INITIATIVE MARVIN PARK IMPROVEMENTS VILLAGE OF OWEGO OWEGO, TIOGA COUNTY, NY ISSUED FOR BID



SITE LOCATIONS

HUNT NO. 2550-011
ISSUED FOR BID: 02/24/2023

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7950
TOWANDA, PA 570 - 265 - 4868 BINGHAMTON, NY 607 - 798 - 8081
ALBANY, NY 607 - 798 - 8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

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ISSUED FOR BIDDING

GENERAL NOTES

1.
- IN AREAS WHERE THE CONTRACTOR IS EXCAVATING NEAR ANY UTILITY POLES AND TRAFFIC SIGNAL POLES, THE CONTRACTOR SHALL BRACE AND/OR HOLD THE POLE IN PLACE UNTIL EXCAVATED AREA IS BACKFILLED AND COMPACTED. THIS WORK IS TO BE PERFORMED AS APPROVED BY THE APPROPRIATE UTILITY COMPANY.
2.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING APPROPRIATE EROSION CONTROL MEASURES TO PREVENT SEDIMENT FROM MIGRATING OFF SITE, TO STORM SEWERS OR ADJACENT ROADWAYS. REFER TO EROSION AND SEDIMENTATION CONTROL PLANS AND DETAILS FOR ALL REQUIREMENTS.
3.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ANY MATERIAL GENERATED DURING DEMOLITION OR CONSTRUCTION. THE LOCAL WATER AUTHORITY RESERVES, IF SO DESIRED, THE SALVAGE RIGHTS TO ALL REMOVED MATERIAL AND EQUIPMENT.
4.
- ALL UNSUITABLE MATERIAL ENCOUNTERED DURING EXCAVATION SHALL BE REMOVED TO A DEPTH AND EXTENT ESTABLISHED BY THE RESIDENT ENGINEER. BACKFILL FOR THE EXCAVATION SHALL BE WITH APPROPRIATE MATERIALS AND COMPACTION MEASURES.
5.
- ALL DISTURBED LAWN AREAS SHALL BE RESTORED TO EQUAL OR BETTER THAN EXISTING CONDITION.
6.
- AFTER COMPLETION OF UTILITY WORK THE CONTRACTOR'S SURVEYOR SHALL CHECK ALL HORIZONTAL AND VERTICAL CONTROL POINTS PRIOR TO CONSTRUCTION ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
7.
- THE CONTRACTOR SHALL KEEP HIS OPERATIONS WITHIN THE DESIGNATED EASEMENTS, R.O.W. LIMITS AND LIMITS OF WORK AS INDICATED ON THE DRAWINGS. CONTRACTOR SHOULD PROVIDE NYSDOT STANDARD ORANGE SNOW FENCE OR SIMILAR BARRIER TO PREVENT PUBLIC ACCESS TO CONSTRUCTION SITE.
8.
- CONDITIONS OF CONSTRUCTION ALONG STATE, COUNTY, AND TOWN HIGHWAYS SHALL CONFORM TO SPECIFICATIONS LISTED AND PERMITS ISSUED BY THE APPROPRIATE AGENCIES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
9.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS NOT TO DISTURB AND/OR DAMAGE PROPERTY CORNERS (IRON PINS, HUBS, ETC.) ANY DISTURBED OR DAMAGED PROPERTY CORNERS SHALL BE REPLACED BY THE CONTRACTOR'S LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
10.
- ALL EXISTING UNDERGROUND UTILITIES SUCH AS ELECTRICAL, GAS MAINS, AND TELEPHONE LINES SHALL BE STAKED OUT BY THE RESPECTIVE UTILITY COMPANY PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES FOR STAKEOUT. EXISTING UTILITIES LOCATIONS SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE AND SHALL BE CONFIRMED BY THE CONTRACTOR.THE CONTRACTOR IS REQUIRED TO CONTACT "DIG SAFELY NEW YORK" 1-800-962-7962 A MINIMUM OF 72 HOURS PRIOR TO COMMENCING WORK.
11.
- LOCATIONS OF OVERHEAD UTILITY LINES SHOWN ON DRAWING WERE OBTAINED FROM AERIAL SURVEY AND SHOULD BE CONSIDERED APPROXIMATE. ALL STORM CROSSINGS ARE NOT SHOWN ON CONTRACT DRAWINGS.
12.
- LOCATIONS OF EXISTING STORM SHOWN ON DRAWINGS ARE APPROXIMATE. ALL DAMAGE TO STORM SEWER UTILITIES SHALL BE REPORTED TO THE RESIDENT ENGINEER AT ONCE.
13.
- THE CONTRACTOR SHALL PROTECT EXISTING SEWERS. IF EXISTING SEWERS ARE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL REPAIR THESE AT NO EXPENSE TO THE OWNER.
14.
- SAFE AND CONTINUOUS THROUGH TRAFFIC, INGRESS AND EGRESS FOR ADJACENT OWNER DRIVEWAYS, SERVICE ROADS, PUBLIC STREETS, AND SIDEWALKS SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
15.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PROPER DISPOSAL OF ALL REMOVED CATCH BASINS, MANHOLES, PAVEMENT, SOIL, CURBING, SIDEWALKS, SEWERS AND OTHER DISTURBED DEBRIS.
16.
- MAILBOXES, CUIDERAILS, DRIVEWAY CULVERTS, FENCES, ETC. THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED, RESET, AND/OR REPLACED IN-KIND TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
17.
- THE CONTRACTOR SHALL CONDUCT HIS ACTIVITIES, IN THE VICINITY OF TREES AND BUSHES, IN STRICT COMPLIANCE WITH THE APPROPRIATE SPECIFICATIONS. ALL COSTS OF CUTTING AND HAULING AWAY TREES THAT ARE PERMITTED TO BE REMOVED; AND ALL COSTS FOR PRESERVING, PROTECTING, TUNNELING UNDER AND/OR TRANSPLANTING TREES THAT HAVE TO STAY SHALL BE AT THE CONTRACTORS EXPENSE. SPECIAL CONSIDERATION MUST BE GIVEN TO THE FACT THAT ENVIRONMENTAL IMPACT IS TO BE KEPT TO A MINIMUM ON THIS PROJECT. ANY TREE REMOVAL SHALL BE LIMITED TO THE DIRECT PATH OF CONSTRUCTION.
18.
- HIGHWAY DRAINAGE, SIDE STREET DRAINAGE, SWALES, DITCHES, AND OTHER EXISTING DRAINAGE FACILITIES SHALL BE PROTECTED AND MAINTAINED IN ADEQUATE WORKING CONDITION DURING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE ANY OF SUCH FACILITIES THAT ARE DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE AUTHORITY HAVING JURISDICTION AND THE ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
19.
- ALL EXCAVATIONS AND OTHER CONSTRUCTION ACTIVITIES SHALL PROVIDE PROTECTION TO THE WORK FORCE AS PER THE CURRENT O.S.H.A. REQUIREMENTS, AS WELL AS ANY STATE AGENCY REQUIREMENTS. CONTRACTOR SHOULD PROVIDE NYSDOT STANDARD ORANGE SNOW FENCE OR SIMILAR BARRIER TO PREVENT PUBLIC ACCESS TO CONSTRUCTION SITE.
20.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING A MAINTENANCE AND PROTECTION OF TRAFFIC PLAN THAT IS ACCEPTABLE TO THE VILLAGE OF OWEGO, TIOGA COUNTY AND NYSDOT IN ACCORDANCE WITH THE NYSDOT. MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
21.
- LOCATION OF PROPOSED IMPROVEMENTS, DISTANCE BETWEEN FACILITIES AND APPURTENANCES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION DURING THE CONSTRUCTION STAKEOUT. LOCATION OF PIPE, VALVES, HYDRANTS, FITTINGS, AND SERVICES SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER.
22.
- ALL AREAS DISTURBED DURING CONSTRUCTION NOT PROPOSED FOR OTHER SURFACE TREATMENTS SHALL BE FURNISHED WITH A MINIMUM OF 4" TOPSOIL AND SEEDED, FERTILIZED, AND MULCHED. THESE REPAIRS SHALL BE TO THE SATISFACTION OF THE OWNER & THE ENGINEER AT NO ADDITIONAL COST.
23.
- ALL THICKNESS SHOWN ON THE PLANS, DETAILS, AND SPECIFIED IN THE SPECIFICATIONS ARE COMPACTED THICKNESS. ALL PAVED AREAS, ROAD SHOULDERS, DRIVES, ETC., WHERE VEHICLES CAN LEGALLY ACCESS OR PARK WILL REQUIRE COMPACTION TO 95% MAXIMUM DENSITY AS DIRECTED BY THE RESIDENT ENGINEER.
24.
- EXCAVATIONS IN DRIVING LANES, PAVED SHOULDERS, NON-PAVED SHOULDERS SHALL BE BACKFILLED, PATCHED OVERNIGHT. EXCAVATIONS OUTSIDE OF THESE AREAS MUST BE FENCED, BARRICADED, AND POSTED WITH WARNING LIGHTS.
25.
- THE CONTRACTOR SHALL NOTE THAT THIS PROJECT USES THE ENGLISH SYSTEM FOR MEASUREMENT, BUT MAY REFERENCE THE NYSDOT METRIC SPECIFICATIONS IN ADDITION TO ENGLISH SPECIFICATIONS. ALL WORK SHALL BE DONE ACCORDING TO THE REFERENCED SPECIFICATIONS. HOWEVER MEASUREMENT FOR PAYMENT SHALL USE THE ENGLISH SYSTEM.
26.
- THE CONTRACTOR IS RESPONSIBLE FOR EXPOSING ALL EXISTING BURIED UTILITIES IN THE GENERAL PATH OF CONSTRUCTION. POTENTIAL CONFLICTS BETWEEN EXISTING UTILITIES AND THE PROPOSED UTILITIES SHALL BE IDENTIFIED AND REPORTED TO THE ENGINEER.
27.
- THE TAX MAP LINES SHOWN ON THESE DRAWINGS ARE ONLY INTENDED FOR SCHEMATIC PURPOSES, THEY ARE IN NO WAY TO BE USED FOR CONSTRUCTION PURPOSES.
28.
- ALL SIGNS TO BE RELOCATED/ REINSTALLED USING NEW SIGN POSTS ACCORDING TO NYSDOT STANDARD SHEETS 645-01 TO 645-03. ANGLE IRON SHALL NOT BE UTILIZED.
29.
- ALL ASPHALT PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION IN A NEAT AND WORKMANLIKE MANNER.
30.
- REFERENCE TO THE NEW YORK STATE STANDARD SPECIFICATION REFERS TO THE MAY 1, 2008 EDITION (GREEN COVER) WITH THE CURRENT ADDITIONS AND MODIFICATIONS.
31.
- CONTRACTOR SHALL COORDINATE REPLACEMENT OF TREES, BUSHES, AND OTHER LANDSCAPING FEATURES IN THE ROW WITH THE VILLAGE REPRESENTATIVE.
32.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 24 HOUR NOTICE TO PROPERTY OWNER BEFORE DISTURBING PROPERTY OWNER'S DRIVEWAY.
33.
- THE CONTRACTOR MAY UTILIZE VILLAGE OWNED PROPERTY FOR STAGING AND STOCK PILING, ETC. SPECIFIC USE OF SAID PROPERTY AND EXACT LOCATION TO BE DESIGNATED AND APPROVED BY THE VILLAGE.
34.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EMERGENCY SERVICES AND PUBLIC TRANSPORTATION (INCLUDING, BUT NOT LIMITED TO THE FIRE DEPARTMENT, AMBULANCE, POLICE, STATE TROOPERS, AND LOCAL AREA SCHOOL DISTRICT BUS GARAGE) ON A WEEKLY BASIS FOR WORK TO BE PERFORMED THE FOLLOWING WEEK. ANY CHANGES TO THAT SCHEDULE SHALL ALSO BE REPORTED AS THEY OCCUR.
35.
- IF ROCK IS ENCOUNTERED DURING TRENCH EXCAVATION AND SURFACE AREAS OUTSIDE OF THE TRENCH WALLS ARE DAMAGED, THE VILLAGE WATER AND HIGHWAY DEPARTMENT MUST BE NOTIFIED OF SAID AREA(S) BEFORE BACKFILLING OF TRENCH.

MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1.
- THE MAINTENANCE AND PROTECTION OF TRAFFIC PLANS SHOWN ON THE PLANS ARE CONSIDERED TO BE MINIMUM REQUIREMENTS.
2.
- CONTRACTOR SHALL SUBMIT MAINTENANCE AND PROTECTION OF TRAFFIC PLAN.
3.
- PAYMENT FOR MAINTENANCE AND PROTECTION OF TRAFFIC SHALL INCLUDE ALL EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ADEQUATELY AND SAFELY MAINTAIN AND PROTECT TRAFFIC, EXCEPT AS PROVIDED IN SEPARATE PAYMENT ITEMS IN THE PROPOSAL.
4.
- CONTRACTOR SHALL FURNISH AND ERECT, MOVE AND REMOVE AS REQUIRED AND AS ORDERED BY NYSDOT, DELINEATION AND GUIDING DEVICES, CONSTRUCTION SIGNS, REFLECTORIZED SIGNS, CONSTRUCTION BARRICADES, AND LIGHTING FOR CONSTRUCTION BARRICADES TO ADEQUATELY AND SAFELY INFORM AND DIRECT MOTORISTS.
5.
- IN ORDER TO MAINTAIN EFFECTIVE TRAFFIC CONTROL, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE ALL SIGNS, CONES, BARRICADES, LIGHTS, ETC... ARE IN PLACE AND IN GOOD CONDITION. IF THE ENGINEER NOTIFIES THE CONTRACTOR OF ANY HAZARDOUS CONSTRUCTION PRACTICES, ALL OPERATIONS IN THAT AREA SHALL BE DISCONTINUED AND IMMEDIATE REMEDIAL ACTION SHALL BE TAKEN TO CORRECT THE SITUATION TO THE SATISFACTION OF THE ENGINEER BEFORE WORK IS RESUMED. IF AT ANY TIME THE RESIDENT ENGINEER DETERMINES THAT TRAFFIC IS NOT BEING PROPERLY MAINTAINED WITHIN A WORK ZONE, THE CONTRACTOR SHALL IMMEDIATELY CORRECT THE INDICATED DEFICIENCY AS DIRECTED, TO THE SATISFACTION OF THE RESIDENT ENGINEER.
6.
- WHEN VISIBILITY OF THE TRAVELING PUBLIC IS RESTRICTED DUE TO WEATHER CONDITIONS AND/OR THE WORK OPERATIONS COMMENCE PRIOR TO DAWN OR CONTINUE BEYOND DUSK, FLASHING BEACONS AND STEADY BURNING LIGHTS SHALL BE PROVIDED BY THE CONTRACTOR AND PLACED AS DIRECTED BY THE RESIDENT ENGINEER. IF A FLAGGING OPERATION IS NECESSARY BEYOND THE DAYLIGHT HOURS, FLAGGERS ARE TO USE FLASHLIGHTS WITH ORANGE CONES ATTACHED PER MUTCD.
7.
- VEHICLE BELONGING TO THE CONTRACTOR AND THEIR PEOPLE SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC WITHIN THE PROJECT LIMITS. VEHICLES BELONGING TO THE CONTRACTOR AND THEIR PEOPLE SHALL NOT BE PARKED IN A MANNER WHICH OBSTRUCTS ANY SIGNS, BARRICADES OR ANY OTHER TRAFFIC CONTROL DEVICE. THE CONTRACTOR SHALL NOT PARK THEIR EQUIPMENT OR STORE MATERIAL WHERE IT IS DEEMED BY THE CONSTRUCTION INSPECTOR OR NYSDOT TO BE A SAFETY HAZARD.
8.
- ANY EXISTING PAVEMENT MARKINGS OR SIGNS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED, AS ORDERED BY THE RESIDENT ENGINEER.
9.
- THE CONTRACTOR SHALL SCHEDULE THEIR CONSTRUCTION OPERATIONS IN A MANNER SO AS TO MINIMIZE THE LENGTH OF TIME THAT NORMAL TRAFFIC FLOWS ARE DISTURBED.
10.
- AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR MUST PROVIDE SAFE AND CONVENIENT EMERGENCY ACCESS. LOCAL FIRE, POLICE, AND AMBULANCE AGENCIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF WORK IN ORDER TO COORDINATE AND MAINTAIN SUFFICIENT EMERGENCY SERVICES.
11.
- ROAD SHALL BE KEPT CLEAN OF MUD AND DEBRIS AT ALL TIMES. ANY ROADSIDE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES.

SEQUENCE OF CONSTRUCTION

THE FOLLOWING ARE STEPS REGARDING THE CONSTRUCTION AND INSTALLATION OF VARIOUS PROJECT COMPONENTS THAT WILL ASSIST IN THE CONTROL OF EROSION AND SEDIMENT CONTROL:

1.
- CONTRACTOR SHALL REVIEW AND SIGN/CERTIFY THE EROSION CONTROL DOCUMENTATION. A COPY OF THE PROJECT PLANS SHALL BE RETAINED AT THE PROJECT SITE THROUGHOUT THE DURATION OF THE PROJECT.
2.
- A FIELD MEETING SHALL BE CONDUCTED WITH THE SITE INSPECTOR AND THE CONTRACTOR IN CHARGE OF EROSION AND SEDIMENT CONTROL MEASURES.
3.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER PROTECTION MEASURES (SILT SOCK, STORM INLET PROTECTION, ETC.).
4.
- ROUGH GRADE SITE WITH E&SC CONTROL MEASURES AS SHOWN ON PLANS.
5.
- TEMPORARILY STABILIZE ALL DISTURBED AREAS.
6.
- INSTALL UTILITIES AND STORM CONVEYANCE STRUCTURES AND PIPES. PROVIDE STORM INLET PROTECTION AS INDICATED.
7.
- INSTALL PAVEMENT AND ALL OTHER PROPOSED SITE IMPROVEMENTS.
8.
- PROVIDE PERMANENT VEGETATION ON ALL DISTURBED AREAS.
9.
- REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROLS ONCE 80% STABILIZATION HAS BEEN ACHIEVED.
10.
- CONTRACTOR SHALL NOTIFY PROJECT DESIGN ENGINEER/ARCHITECT THAT SITE STABILIZATION IS COMPLETED,FOR FINAL REVIEW OF SITE CONDITIONS.

NOTE: AT NO POINT DURING CONSTRUCTION SHALL GREATER THAN 5 ACRES OF THE PROJECT SITE BE DISTURBED AT ANY ONE TIME WITHOUT PRIOR APPROVAL OF A 5-ACRE WAIVER FROM THE NYSDEC.

TOPSOIL REQUIREMENTS

- A.
- ON-SITE TOPSOIL:

1.

EXCAVATED AND REUSED MATERIAL.

2.

GRADED.

3.

FREE OF ROOTS, ROCKS LARGER THAN 1/2 INCH, SUBSOIL, DEBRIS, LARGE WEEDS AND FOREIGN MATTER.

a.

SCREENING: SINGLE SCREENED.

4.

CONFORMING TO ASTM D2487.
- B.
- IMPORTED TOPSOIL

1.

IMPORTED BORROW.

2.

FRIABLE LOAM.

3.

REASONABLY FREE OF ROOTS, ROCKS LARGER THAN 1/2 INCH, SUBSOIL, DEBRIS, LARGE WEEDS, AND FOREIGN MATTER.

a.

SCREENING: DOUBLE SCREENED.

4.

ACIDITY RANGE (PH) OF 5.5 TO 7.5

5.

CONTAINING MINIMUM OF 4 PERCENT AND MAXIMUM OF 25 PERCENT INORGANIC MATTER.

6.

CONFORMING TO ASTM D2487.

7.

LIMIT DECAYING MATTER TO 5 PERCENT OF TOTAL CONTENT BY VOLUME.

DRAWN BY: JCB

CHECKED BY: JCB

DATE: 02/20/23

PHASE: ISSUED FOR BID

DESCRIPTION OF REVISION:

DATE:

#

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.

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ENGINEERS | ARCHITECTS | SURVEYORS

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TOWSON, MD 410 - 528 - 9085
NEW YORK, NY 212 - 696 - 8081
PA CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

GENERAL CONSTRUCTION NOTES

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

NOTE:

DEED MAP LINES SHOWN HEREON SHOULD BE CONSIDERED APPROXIMATE. DEED MAP LINES WERE ESTABLISHED FROM EXISTING MONUMENTATION AND SCALED DIMENSIONS.

HORIZONTAL/VERTICAL DATUM NOTE:

VERTICAL CONTROL IS REFERENCED TO NGS PID NB0340 DESIGNATION 77 PRR BENCHMARK OF THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88/GEOD 12B).

HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83/NA 2011).

SURVEY CONTROL POINT TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	765961.5090	904606.4640	805.20	CP-PK
2	765790.6970	904715.8040	803.75	CP-PK
3	765620.5440	904813.9550	803.02	CP-PK
4	765393.2020	904936.3940	802.47	CP-PK
5	765195.4080	905066.5520	801.84	CP-PK
6	765056.2790	904759.4410	801.05	CP-PK
7	764857.5650	904546.7460	802.80	CP-PK
8	764686.0600	904281.0080	806.18	CP-PK
9	764614.6880	904117.1300	803.50	CP-N

UNDERGROUND UTILITIES NOTE:

UNDERGROUND UTILITIES SHOWN WERE MAPPED USING A COMBINATION OF FIELD LOCATED EVIDENCE AND EXISTING UTILITY MAPS. THE ACCURACY OF THESE UTILITY LOCATIONS CANNOT BE GUARANTEED. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BEFORE EXCAVATING. CALL 'DIG SAFELY NEW YORK' 1-800-962-7962.

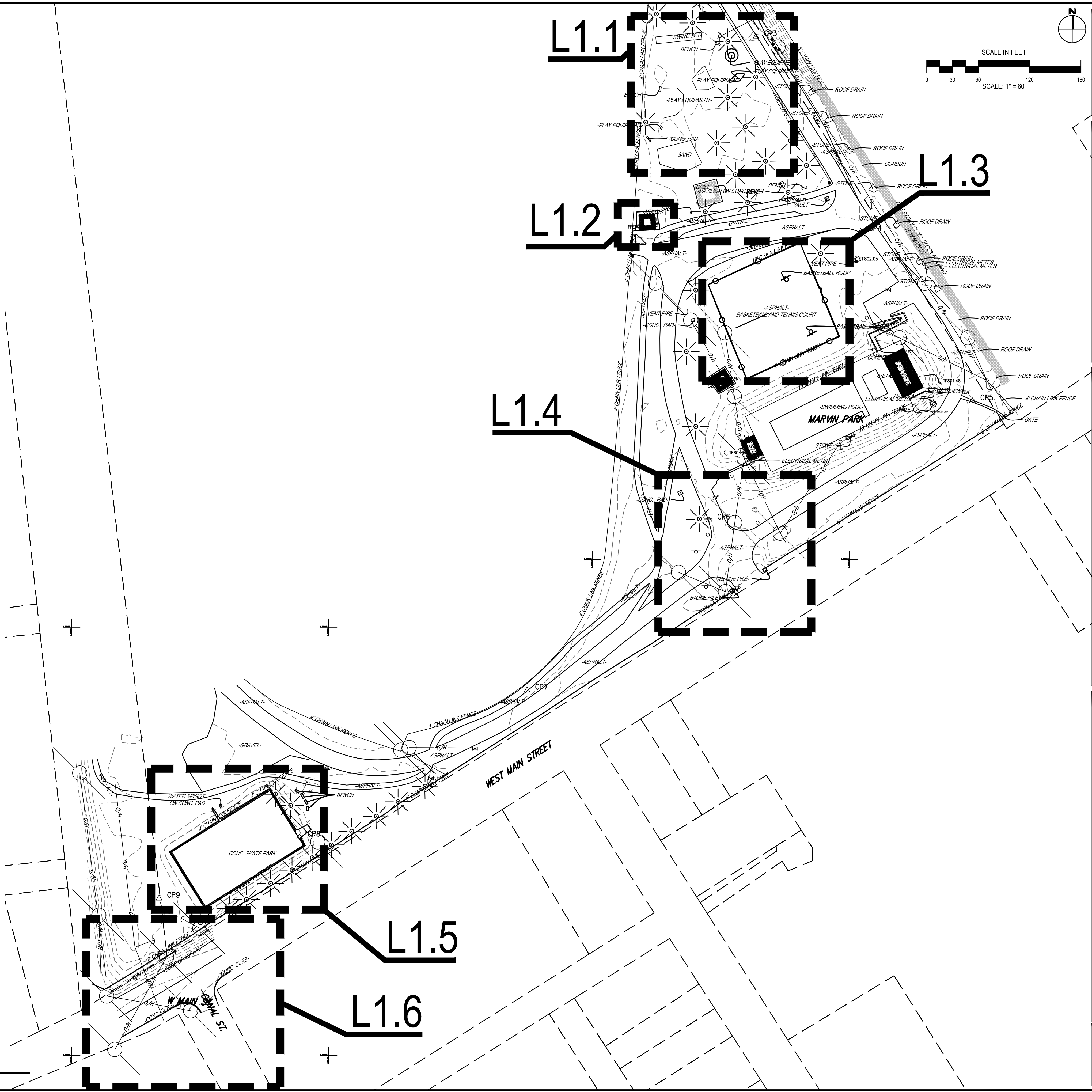
UTILITY STATEMENT: THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ALL UTILITIES SHOULD BE FIELD VERIFIED PRIOR TO ANY EXCAVATION.

GENERAL NOTES:

- CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
- ALL REMAINING DISTURBED AREAS OUTSIDE OF THE PROPOSED SITE LIMITS SHALL BE RETURNED TO EXISTING CONDITIONS OR BETTER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC FOR ALL WORK. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH NYS DOT REQUIREMENTS.
- EXISTING STORMWATER FACILITIES MAY NEED TO BE ADJUSTED TO ALIGN WITH FINAL GRADE ELEVATIONS. CONTRACTOR IS RESPONSIBLE FOR THESE ADJUSTMENTS.
- ALL EXISTING UTILITIES TO REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AND SHALL REPAIR OR REPLACE TO THE SATISFACTION OF THE VILLAGE AND ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
- CONTRACTOR TO CONFIRM ADJACENT FACILITY ENTRY/EXITS ELEVATIONS TO BE MAINTAINED. FINAL GRADES TO BE ADJUSTED TO ACCOMMODATE THESE ENTRANCES.
- CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR INSTALLATION OF ANY SITE IMPROVEMENTS. FIELD CONDITIONS MAY VARY FROM WHAT IS CURRENTLY SHOWN.
- CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL.
- CONTRACTOR TO REVIEW CONSTRUCTION BEFORE STARTING WORK AND DISCUSS WITH ENGINEER AS REQUIRED. CONTRACTOR TO PROVIDE SCHEDULE AND RECOMMENDED SEQUENCE OF CONSTRUCTION. EXISTING UTILITIES ARE TO REMAIN ON SITE AND SHOULD NOT BE DISTURBED UNLESS OTHERWISE NOTED.
- ALL LIGHT POLES, PULL BOXES, DRAINS AND CATCH BASINS ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED AND SHOULD BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- CONTRACTOR TO TAKE PARTICULAR CARE WHEN WORKING NEAR OR AROUND THE ADJACENT PROPERTIES AND UTILITIES. DAMAGE TO ANY STRUCTURE WILL NOT BE ACCEPTED AND COULD RESULT IN EXTREME PENALTIES OR REPARATIONS.
- CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

LEGEND:

- BOLLAR
- BOULDER
- BUSH
- CATCH BASIN
- ELECTRICAL BOX
- CONIFER TREE
- DECIDUOUS TREE
- UTILITY POLE
- UTILITY POLE GUY ANCHOR
- STREET LIGHT
- MANHOLE
- SIGN
- TAX LOT LINE
- SURVEY CONTROL POINT
- OVERHEAD UTILITY LINES
- STORM PIPE LINE
- WATER VALVE OR GAS VALVE
- WOOD POST



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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

MARVIN PARK KEY PLAN

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L1.0

PROJECT NO: 2550.011

GENERAL NOTES:

1. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
2. ALL REMAINING DISTURBED AREAS OUTSIDE OF THE PROPOSED SITE LIMITS SHALL BE RETURNED TO EXISTING CONDITIONS OR BETTER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC FOR ALL WORK. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH NYSDOT REQUIREMENTS.
4. EXISTING STORMWATER FACILITIES MAY NEED TO BE ADJUSTED TO ALIGN WITH FINAL GRADE ELEVATIONS. CONTRACTOR IS RESPONSIBLE FOR THESE ADJUSTMENTS.
5. ALL EXISTING UTILITIES TO REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AND SHALL REPAIR OR REPLACE TO THE SATISFACTION OF THE VILLAGE AND ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
6. CONTRACTOR TO CONFIRM ADJACENT FACILITY ENTRY/EXITS ELEVATIONS TO BE MAINTAINED. FINAL GRADES TO BE ADJUSTED TO ACCOMMODATE THESE ENTRANCES.
7. CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR INSTALLATION OF ANY SITE IMPROVEMENTS. FIELD CONDITIONS MAY VARY FROM WHAT IS CURRENTLY SHOWN.
8. CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL.
9. CONTRACTOR TO REVIEW CONSTRUCTION BEFORE STARTING WORK AND DISCUSS WITH ENGINEER AS REQUIRED. CONTRACTOR TO PROVIDE SCHEDULE AND RECOMMENDED SEQUENCE OF CONSTRUCTION.
10. EXISTING UTILITIES ARE TO REMAIN ON SITE AND SHOULD NOT BE DISTURBED UNLESS OTHERWISE NOTED.
11. ALL LIGHT POLES, PULL BOXES, DRAINS AND CATCH BASINS ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED AND SHOULD BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
12. CONTRACTOR TO TAKE PARTICULAR CARE WHEN WORKING NEAR OR AROUND THE ADJACENT PROPERTIES AND UTILITIES. DAMAGE TO ANY STRUCTURE WILL NOT BE ACCEPTED AND COULD RESULT IN EXTREME PENALTIES OR REPARATIONS.
13. CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE PLAYGROUND EQUIPMENT AND FOUNDATIONS IN ITS ENTIRETY FOR DISPOSAL.
2. CONTRACTOR SHALL REMOVE PLAY SURFACE 6" - 12", TOPSOIL, AND GRASS OVERGROWTH IN AREA INDICATED ON THE DRAWINGS TO PREPARE SITE FOR NEW ENGINEERED WOOD FIBER SURFACE. APPROX. 10,650 SF. CONTRACTOR TO UTILIZED CPSI TO DETERMINE APPROPRIATE SAFETY ZONE.
3. CONTRACTOR TO REMOVE EXISTING TREE FROM DESIGNATED FALL AREA. STUMP TO BE GROUND DOWN BELOW SUBGRADE FOR NEW PLAY SURFACE

HORIZONTAL/VERTICAL DATUM NOTE:


















VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN
VERTICAL DATUM OF 1988 (NAVD 88/GEOD 12A).

HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83/NA 2011).

UNDERGROUND UTILITIES NOTE:

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LEGEND:

- | | |
|-------------------------------------------------------------------------------------|--------------------------|
| • | BOLLAR |
|  | BOULDER |
|  | BUSH |
|  | CATCH BASIN |
|  | ELECTRICAL BOX |
|  | CONIFER TREE |
|  | DECIDUOUS TREE |
|  | UTILITY POLE |
|  | UTILITY POLE GUY ANCHOR |
|  | STREET LIGHT |
|  | MANHOLE |
|  | SIGN |
|  | TAX LOT LINE |
|  | SURVEY CONTROL POINT |
|  | OVERHEAD UTILITY LINES |
|  | STORM PIPE LINE |
|  | WATER VALVE OR GAS VALVE |
|  | WOOD POST |



1 EXISTING CONDITIONS
SCALE: 1" = 10'

DRAWN BY:	JCP	Copyright: 2023
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#	DATE:	DESCRIPTION OF REVISION:
		<p>"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER, ARCHITECT'S OR SURVEYOR'S SEAL."</p>

HUNT
ENGINEERS | ARCHITECTS | SURVEYORS

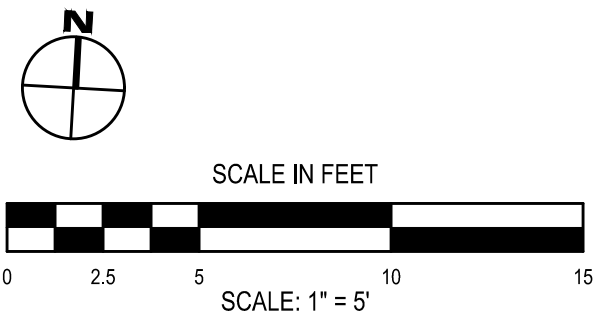
HORSEHEADS, NY 607-368-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 570-265-4868 BINGHAMTON, NY 607-798-8081
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 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

EXISTING CONDITIONS - PLAYGROUND

L1.1

PROJECT NO: 2550.011



D# DEMOLITION NOTES:

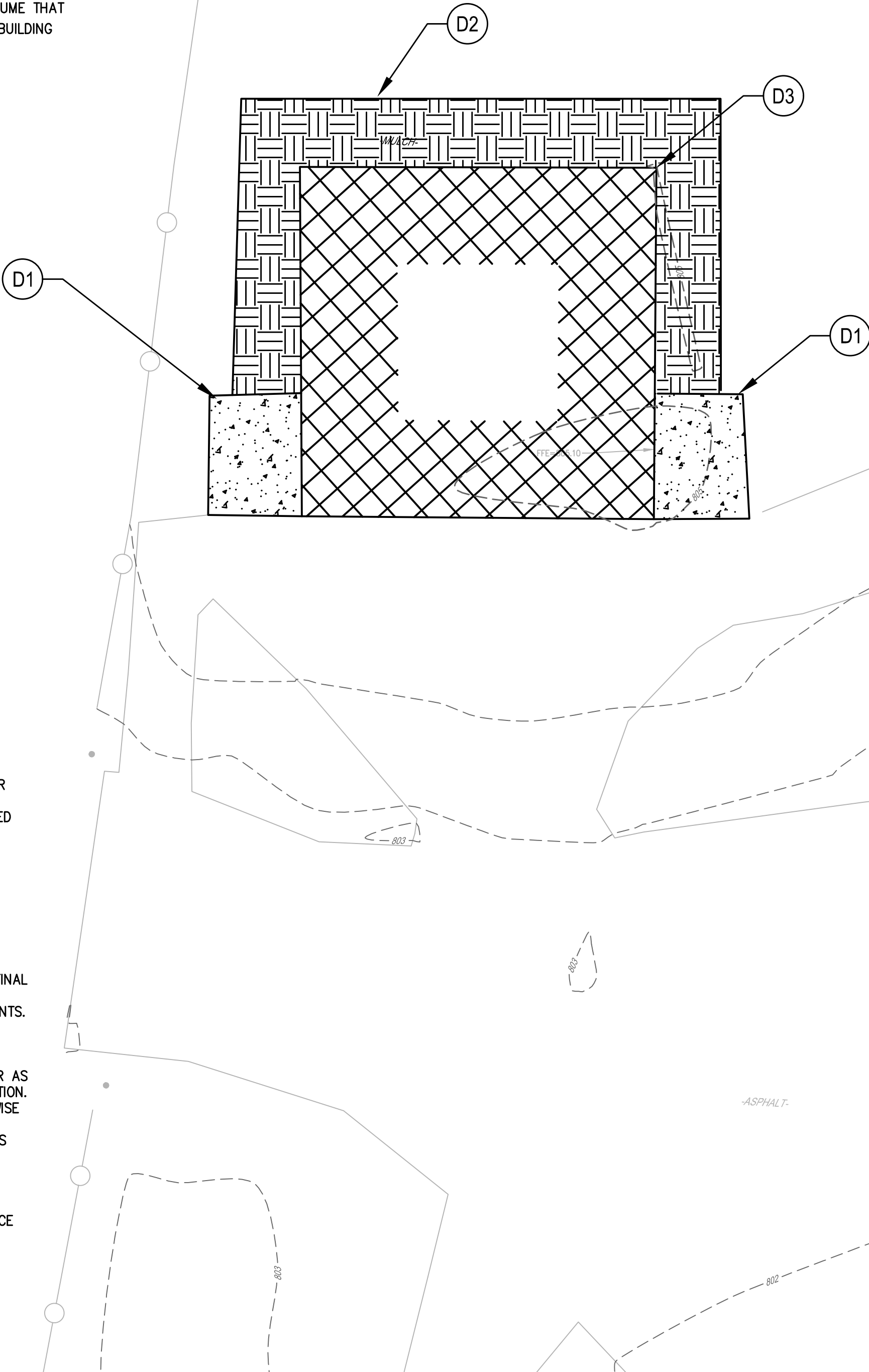
1. CONTRACTOR SHALL REMOVE CONCRETE ENTRANCE PAD IN ITS ENTIRETY. APPROXIMATELY 62SF TOTAL.
2. CONTRACTOR SHALL REMOVE ALL EXTERIOR PLANTING AND MULCH BEDS FROM AROUND THE BUILDING. APPROXIMATELY 168SF.
3. CONTRACTOR SHALL REMOVE EXISTING STRUCTURE IN ITS ENTIRETY. ALL TECHNICAL EQUIPMENT, PANELS AND SECURITY SYSTEMS ARE TO BE SALVAGED AND STORED FOR REINSTALLATION. ELECTRICAL CONNECTIONS TO BE RE-ESTABLISHED IN THE PROPOSED CONDITIONS. REFER TO DRAWING A0.1. BUILDING FOOTPRINT: 335SF. NO MATERIAL OR FACILITIES ARE TO BE SALVAGED FOR FUTURE USE AND SHOULD BE DISPOSED OF BY THE CONTRACTOR. MASONRY WALLS AND FOUNDATIONS ARE TO BE REMOVED CAREFULLY IN A NEAT AND WORKMAN LIKE MANNER. CONTRACTOR IS TO TAKE CARE LOCATING ALL UNDERGROUND SANITARY AND WATER LINES TO BE RE-CONNECTED TO NEW STRUCTURE AND PROTECTED DURING DEMOLITION. EXCAVATION SHALL BE KEPT TO A MINIMUM AS TO NOT DISTURB UNNECESSARY AREAS OF THE PARK. FOR BIDDING PURPOSES ASSUME THAT UNDERGROUND UTILITIES WILL REQUIRE DEMO AND TRENCHING 10' BEYOND THE BUILDING BOUNDARY.

GENERAL NOTES:

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1 EXISTING CONDITIONS

SCALE: 1"= 5'



LEGEND:

- BOLLAR
- ⬮ BOULDER
- ⬮ BUSH
- ⬮ CATCH BASIN
- ⬮ ELECTRICAL BOX
- ⬮ CONIFER TREE
- ⬮ DECIDUOUS TREE
- ⬮ UTILITY POLE
- ⬮ UTILITY POLE GUY ANCHOR
- ⬮ STREET LIGHT
- ⬮ MANHOLE
- ⬮ SIGN
- TAX LOT LINE
- Δ SURVEY CONTROL POINT
- OH — OVERHEAD UTILITY LINES
- ST — STORM PIPE LINE
- ⬮ WATER VALVE OR GAS VALVE
- ⬮ WOOD POST

HORIZONTAL/VERTICAL DATUM NOTE:

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HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83/NA 2011).

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HORSEHEADS, NY 807 - 398 - 1000 ROCHESTER, NY 895 - 327 - 7850
TOWN OF OWEGO, NY 808 - 785 - 8081
TOWN OF OWEGO, NY 808 - 785 - 8081
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

EXISTING CONDITIONS - RESTROOM AREA

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L1.2

PROJECT NO: 2550.011

GENERAL NOTES:

- CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
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- CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

D# DEMOLITION NOTES:

- CONTRACTOR SHALL REMOVE ASPHALT BASKETBALL & TENNIS COURT SURFACE (APPROXIMATELY 13,957SF). INSPECTION OF BASE MATERIAL SHALL BE CONDUCTED PRIOR TO INSTALLATION OF NEW SURFACE AND ANY AREAS THAT REQUIRE REPAIR OR REPLACEMENT SHALL BE COMPLETED. ASSUME APPROX. 625SF OF SUB-BASE REPAIR FOR BIDDING PURPOSES.
- CONTRACTOR SHALL REMOVE 10' TALL PERIMETER FENCE AND GATES IN ITS ENTIRETY, 475 LF.
- CONTRACTOR SHALL REMOVE BOTH BASKETBALL GOALS IN THEIR ENTIRETY.
- CONTRACTOR SHALL REMOVE TENNIS NETTING AND POSTS/ANCHORS IN THEIR ENTIRETY.

LEGEND:

- BOLLAR
- BOULDER
- BUSH
- CATCH BASIN
- ELECTRICAL BOX
- CONIFER TREE
- DECIDUOUS TREE
- UTILITY POLE
- UTILITY POLE GUY ANCHOR
- STREET LIGHT
- MANHOLE
- SIGN
- TAX LOT LINE
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- OVERHEAD UTILITY LINES
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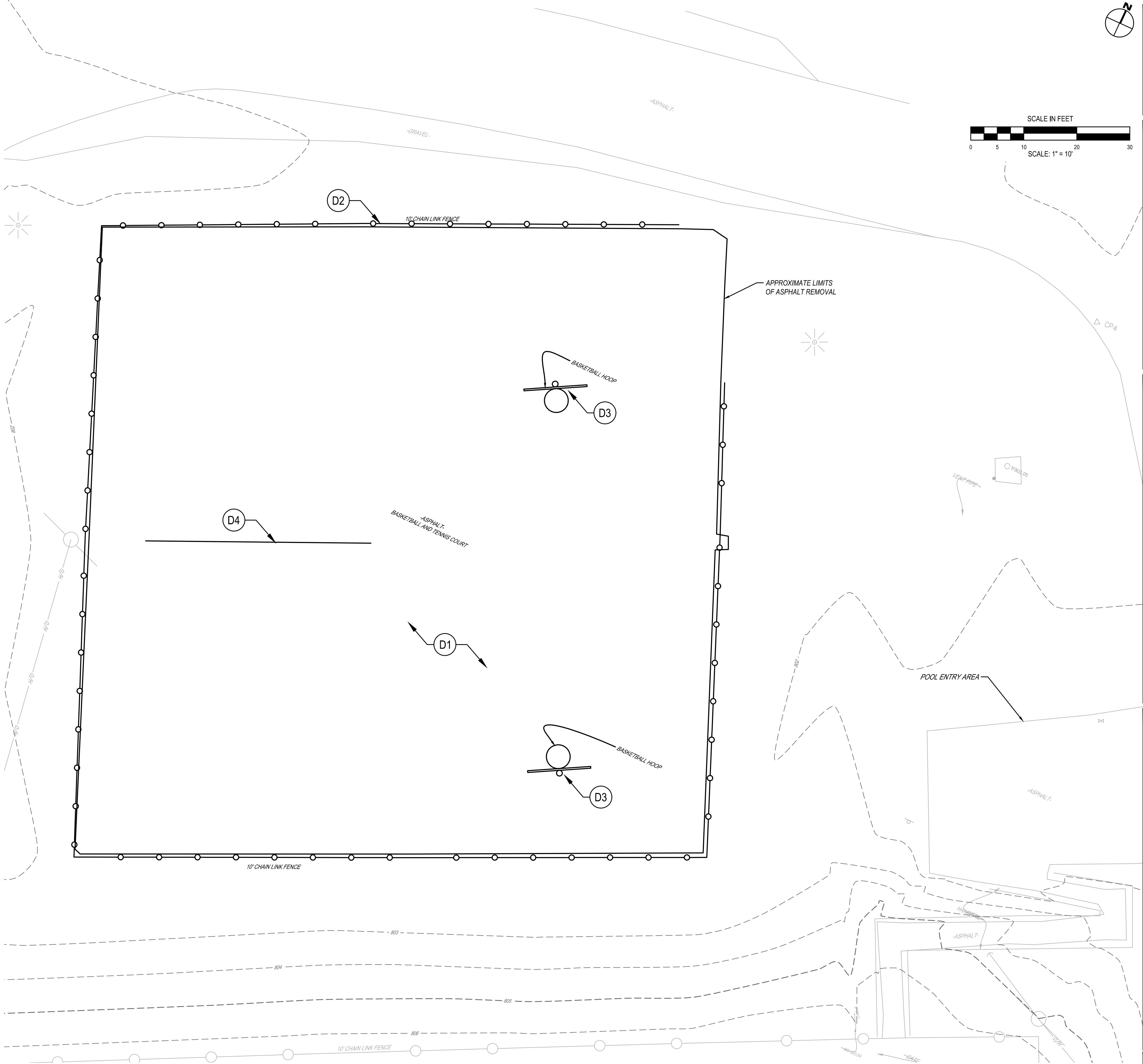
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1 EXISTING CONDITIONS

SCALE: 1" = 10'



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DESCRIPTION OF REVISION:		
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DATE:		

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ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 807 - 396 - 1000 ROCHESTER, NY 585 - 327 - 7850
TOWANNA, NY 510 - 205 - 7885
TOWANNA, NY 510 - 205 - 7885
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

EXISTING CONDITIONS - COURT REFERBISH

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L1.3

PROJECT NO: 2550.011

GENERAL NOTES:

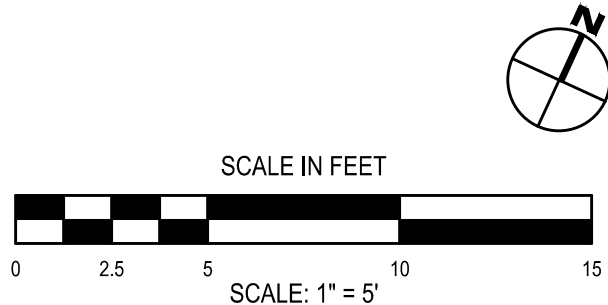
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D# DEMOLITION NOTES:

- CONTRACTOR SHALL REMOVE EXISTING 6' TALL CHAIN LINK FENCE IN ITS ENTIRETY. FENCE SHALL BE REMOVED ALONG THE ENTIRE FRONT OF MARVIN PARK ALONG WEST MAIN STREET (APPROXIMATELY 1,250LF).
- CONTRACTOR SHALL REMOVE ALL LOOSE AND FALLING STONE, INCLUDING TOP OF COLUMNS IN A NEAT AND WORKMAN LIKE MANNER. ANY STONES DEEMED TO BE FIT FOR REUSE SHALL BE SET ASIDE FOR REPAIRING OF THESE COLUMNS. CONTRACTOR TO TAKE PARTICULAR CARE WHEN WORKING AROUND THE INSTALLED PLAQUE, WHICH MAY BE REMOVED IF NOT FIRMLY MOUNTED, TO BE CLEANED AND REINSTALLED.
- CONTRACTOR SHALL REMOVE AND SALVAGE PARK SIGN TO BE REINSTALLED.

LEGEND:

- BOLLAR
- BOULDER
- BUSH
- CATCH BASIN
- ELECTRICAL BOX
- CONIFER TREE
- DECIDUOUS TREE
- UTILITY POLE
- UTILITY POLE GUY ANCHOR
- STREET LIGHT
- MANHOLE
- SIGN
- TAX LOT LINE
- SURVEY CONTROL POINT
- OVERHEAD UTILITY LINES
- STORM PIPE LINE
- WATER VALVE OR GAS VALVE
- WOOD POST



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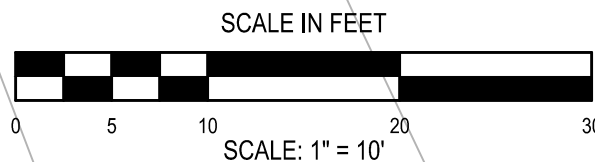


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2. CONTRACTOR SHALL REMOVE CONCRETE ENTRANCE PADS IN ITS ENTIRETY (APPROXIMATELY 180SF).
3. CONTRACTOR SHALL REMOVE 4' CHAIN LINK PERIMETER FENCE IN ITS ENTIRETY (APPROXIMATELY 420LF).
4. CONTRACTOR SHALL REMOVE WOODEN BENCH IN ITS ENTIRETY.
5. CONTRACTOR SHALL REMOVE CONCRETE PAD DOWN TO SUB-BASE WITHIN LIMITS SHOWN ON THE DRAWINGS (APPROXIMATELY 10,650SF). THIS INCLUDES REMOVAL OF ALL EXISTING BOLTED DOWN AND CONCRETE OBSTACLES CURRENTLY OCCUPYING SKATEPARK. COORDINATE WITH VILLAGE FOR SALVAGE OF ANY OBSTACLES REMOVED.

•	BOLLAR
	BOULDER
	BUSH
	CATCH BASIN
	ELECTRICAL BOX
	CONIFER TREE
	DECIDUOUS TREE
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ALBANY, NY 607-798-8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

EXISTING CONDITIONS - SKATEPARK

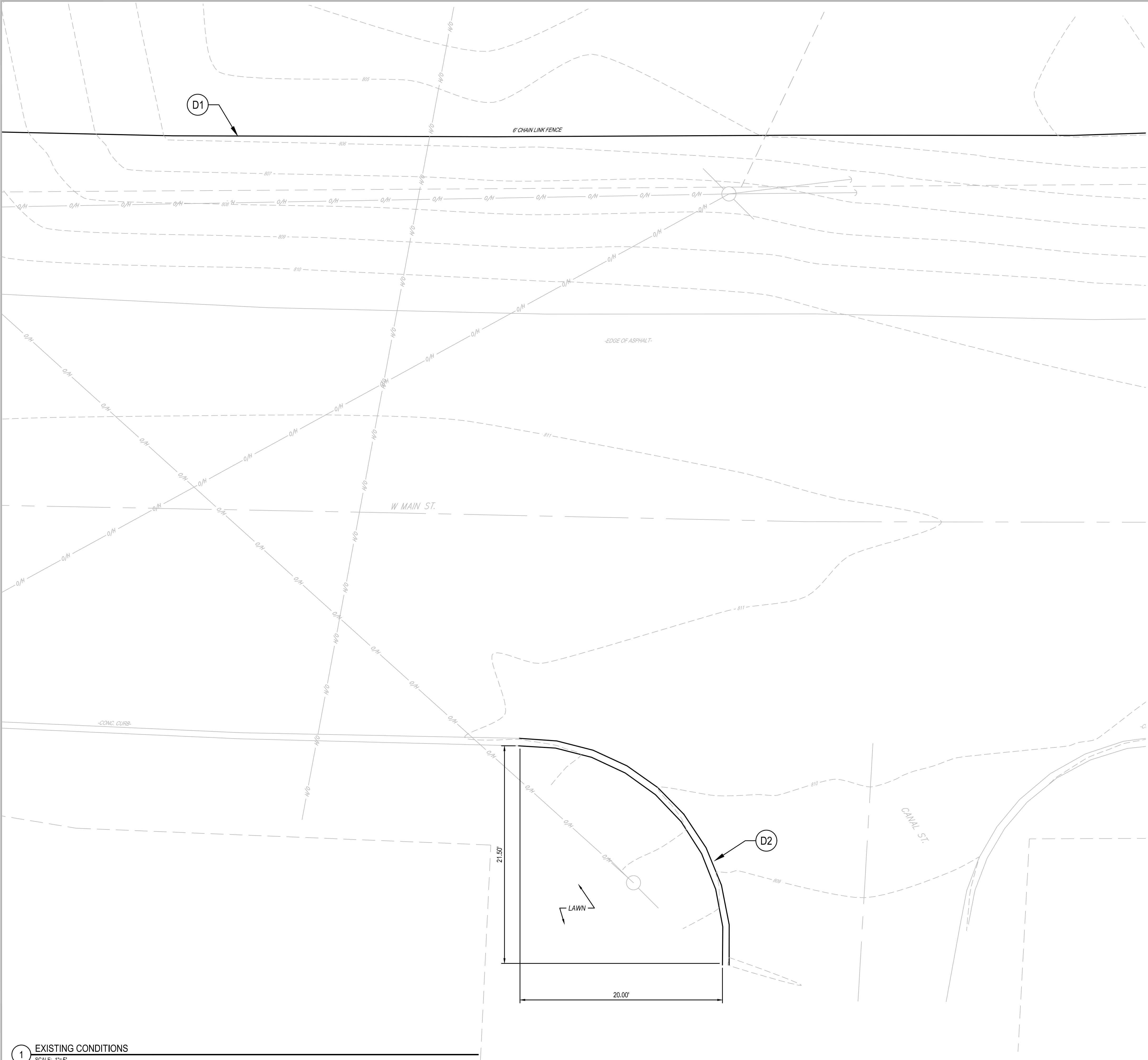
OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L1.5

PROJECT NO: 2550.011



GENERAL NOTES:

1. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
2. ALL REMAINING DISTURBED AREAS OUTSIDE OF THE PROPOSED SITE LIMITS SHALL BE RETURNED TO EXISTING CONDITIONS OR BETTER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
3. CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC FOR ALL WORK. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH NYSOT REQUIREMENTS.
4. EXISTING STORMWATER FACILITIES MAY NEED TO BE ADJUSTED TO ALIGN WITH FINAL GRADE ELEVATIONS.CONTRACTOR IS RESPONSIBLE FOR THESE ADJUSTMENTS.
5. ALL EXISTING UTILITIES TO REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AND SHALL REPAIR OR REPLACE TO THE SATISFACTION OF THE VILLAGE AND ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
6. CONTRACTOR TO CONFIRM ADJACENT FACILITY ENTRY/EXITS ELEVATIONS TO BE MAINTAINED. FINAL GRADES TO BE ADJUSTED TO ACCOMMODATE THESE ENTRANCES.
7. CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR INSTALLATION OF ANY SITE IMPROVEMENTS. FIELD CONDITIONS MAY VARY FROM WHAT IS CURRENTLY SHOWN.
8. CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL.
9. CONTRACTOR TO REVIEW CONSTRUCTION BEFORE STARTING WORK AND DISCUSS WITH ENGINEER AS REQUIRED. CONTRACTOR TO PROVIDE SCHEDULE AND RECOMMENDED SEQUENCE OF CONSTRUCTION. EXISTING UTILITIES ARE TO REMAIN ON SITE AND SHOULD NOT BE DISTURBED UNLESS OTHERWISE NOTED
10. ALL LIGHT POLES, PULL BOXES, DRAINS AND CATCH BASINS ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED AND SHOULD BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
11. CONTRACTOR TO TAKE PARTICULAR CARE WHEN WORKING NEAR OR AROUND THE ADJACENT PROPERTIES AND UTILITIES. DAMAGE TO ANY STRUCTURE WILL NOT BE ACCEPTED AND COULD RESULT IN EXTREME PENALTIES OR REPARATIONS.
12. CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

DEMOLITION NOTES:

1. CONTRACTOR SHALL REMOVE EXISTING 6' TALL CHAIN LINK FENCE IN ITS ENTIRETY. FENCE SHALL BE REMOVED ALONG THE ENTIRE FRONT OF MARVIN PARK ALONG WEST MAIN STREET (APPROXIMATELY 1,250LF).
2. CONTRACTOR SHALL REMOVE CONCRETE CURBING TO THE LIMITS INDICATED ON THE DRAWINGS (APPROXIMATELY 35LF).

LEGEND:

- BOLLAR
- BOULDER
- BUSH
- CATCH BASIN
- ELECTRICAL BOX
- CONIFER TREE
- DECIDUOUS TREE
- UTILITY POLE
- UTILITY POLE GUY ANCHOR
- STREET LIGHT
- MANHOLE
- SIGN
- TAX LOT LINE
- SURVEY CONTROL POINT
- OVERHEAD UTILITY LINES
- STORM PIPE LINE
- WATER VALVE OR GAS VALVE
- WOOD POST

HORIZONTAL/VERTICAL DATUM NOTE:

VERTICAL CONTROL IS REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88/GEOID 12A).

HORIZONTAL CONTROL IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83/NA 2011).

UNDERGROUND UTILITIES NOTE:

UNDERGROUND UTILITIES SHOWN WERE MAPPED USING A COMBINATION OF FIELD LOCATED EVIDENCE AND EXISTING UTILITY MAPS. THE ACCURACY OF THESE UTILITY LOCATIONS CANNOT BE GUARANTEED. ALL UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED BEFORE EXCAVATING. THE CONTRACTOR IS REQUIRED TO CONTACT "DIG SAFELY NEW YORK" 1-800-962-7962 A MINIMUM OF 72 HOURS PRIOR TO COMMENCING WORK

DRAWN BY:	JCP
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HUNT

ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 807 - 395 - 1000

ROCHESTER, NY 585 - 327 - 7950

TOWNSEND, NY 510 - 265 - 4688

ONEIDA, NY 315 - 488 - 8083

ALBANY, NY 518 - 868 - 8083

NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TS02203131484-1

EXISTING CONDITIONS - PEDESTRIAN CROSSING

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L1.6

PROJECT NO: 2550.011

G#

GENERAL SITE IMPROVEMENT NOTES:

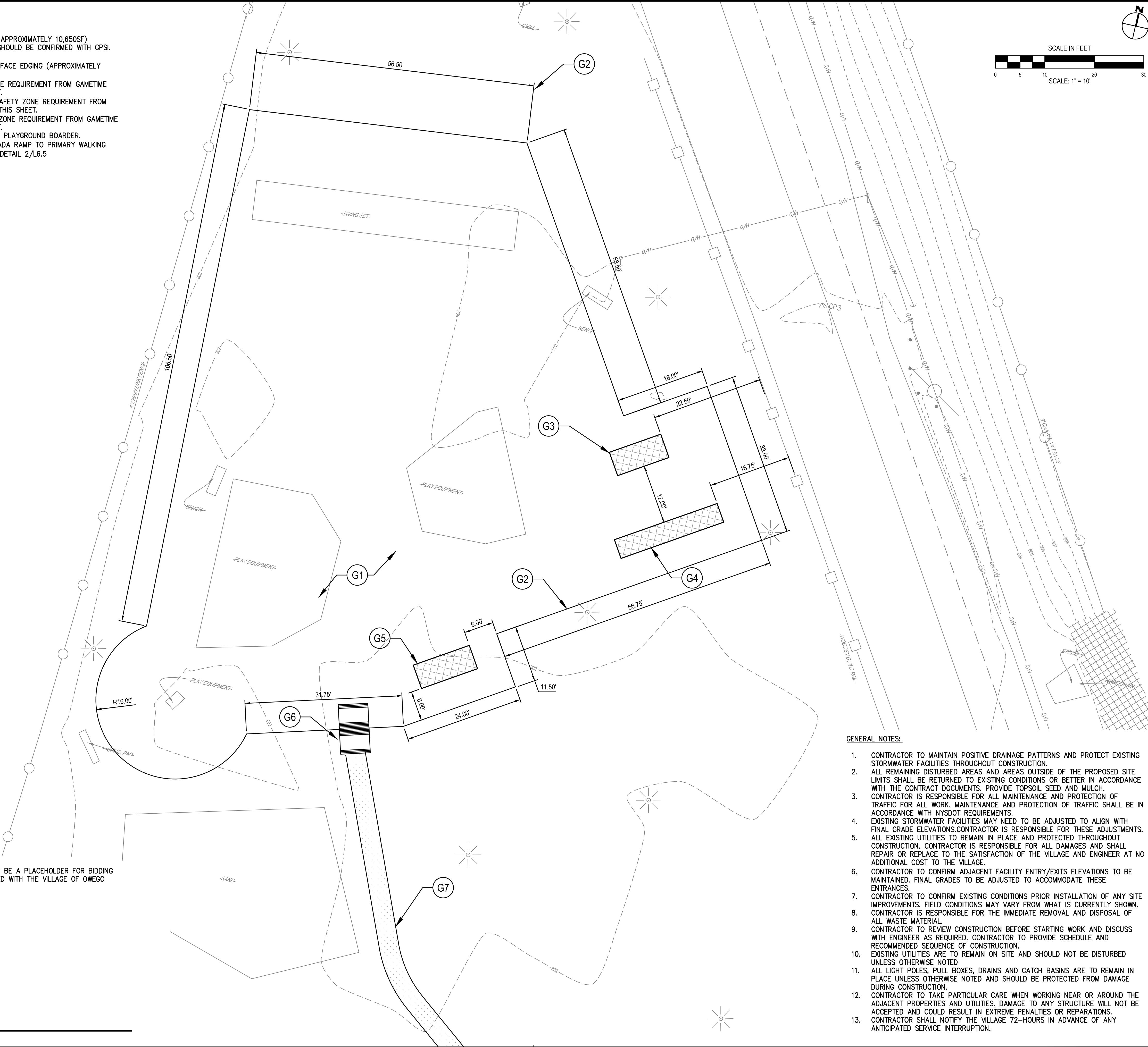
1. CONTRACTOR TO PROVIDE 12" FINISHED THICKNESS WOOD ENGINEERED FIBER SURFACE (APPROXIMATELY 10,650SF) PROVIDING THE REQUIRED FALL SAFETY AREAS FOR PLAYGROUND EQUIPMENT. LAYOUT SHOULD BE CONFIRMED WITH CPSI. REFER TO DETAIL 5/L6.2.
2. CONTRACTOR TO PROVIDE "FRAME IT ALL PLAYGROUND BORDER" FOR PLAYGROUND SURFACE EDGING (APPROXIMATELY 475LF) OR APPROVED EQUAL. REFER TO DETAIL 5/L6.2.
3. CONTRACTOR TO PROVIDE "3" FREE STANDING DOUBLE SLIDE" WITH 23'X17' SAFETY ZONE REQUIREMENT FROM GAMETIME PLAY EQUIPMENT OR APPROVED EQUAL. SEE PLAYGROUND EQUIPMENT NOTE THIS SHEET.
4. CONTRACTOR TO PROVIDE "7" FREE STANDING SINGLE SECTIONAL SLIDE" WITH 34'X16' SAFETY ZONE REQUIREMENT FROM GAMETIME PLAY EQUIPMENT OR APPROVED EQUAL. SEE PLAYGROUND EQUIPMENT NOTE THIS SHEET.
5. CONTRACTOR TO PROVIDE "FREESTANDING ARCH CRAWL TUNNEL" WITH 24'X17' SAFETY ZONE REQUIREMENT FROM GAMETIME PLAY EQUIPMENT OR APPROVED EQUAL. SEE PLAYGROUND EQUIPMENT NOTE THIS SHEET.
6. CONTRACTOR TO PROVIDE PREMANUFACTURED ADA ACCESSIBLE RAMP COMPATIBLE WITH PLAYGROUND BOARDER.
7. CONTRACTOR TO PROVIDE STONE DUST PATHWAY 4' WIDTH 110' IN LONG TO CONNECT ADA RAMP TO PRIMARY WALKING AREA THROUGH PARK GRASS AS INDICATED THIS DRAWING AND SHEET L3.1. REFER TO DETAIL 2/L6.5

PLAYGROUND EQUIPMENT NOTE:
DUE TO THE NATURE OF SEASONAL PLAY EQUIPMENT THE SELECTED EQUIPMENT IS MEANT TO BE A PLACEHOLDER FOR BIDDING PURPOSES. THE FINAL EQUIPMENT SELECTION WILL BE COMPLETED AFTER PROJECT IS AWARDED WITH THE VILLAGE OF OWEGO INPUT FOR FINAL ORDERING BASED ON AVAILABILITY OF EQUIPMENT.

1

SITE IMPROVMENT PLAN

SCALE: 1" = 10'



GENERAL NOTES:

1. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
2. ALL REMAINING DISTURBED AREAS AND AREAS OUTSIDE OF THE PROPOSED SITE LIMITS SHALL BE RETURNED TO EXISTING CONDITIONS OR BETTER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. PROVIDE TOPSOIL SEED AND MULCH.
3. CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC FOR ALL WORK. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH NYSDOT REQUIREMENTS.
4. EXISTING STORMWATER FACILITIES MAY NEED TO BE ADJUSTED TO ALIGN WITH FINAL GRADE ELEVATIONS. CONTRACTOR IS RESPONSIBLE FOR THESE ADJUSTMENTS.
5. ALL EXISTING UTILITIES TO REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AND SHALL REPAIR OR REPLACE TO THE SATISFACTION OF THE VILLAGE AND ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
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13. CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607 - 396 - 1000 ROCHESTER, NY 695 - 327 - 7850
TOWNSEND, NY 510 - 205 - 7885 BINGHAMTON, NY 607 - 799 - 8081
OWEGO, NY 607 - 396 - 1000
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

SITE IMPROVEMENTS PLAN - PLAYGROUND

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

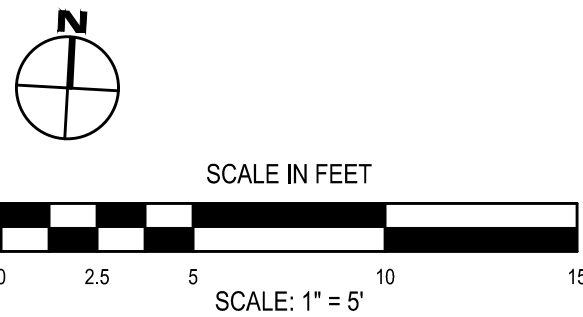
VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L2.1

PROJECT NO: 2550.011

DRAWN BY:	JCP	2023
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DATE:		
		IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.



GENERAL SITE IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE CONCRETE CAST-IN-PLACE CONCRETE WALKWAY AS INDICATED ON THE DRAWINGS (APPROXIMATELY 160SF). REFER TO DETAIL 2/L6.2.
2. CONTRACTOR TO REFER TO ARCHITECT DRAWINGS A0.1 TO T1.1 FOR NEW BATH HOUSE CONSTRUCTION. UTILITY CONNECTIONS FOR SANITARY DRAIN AND INCOMING WATER TO BE FIELD LOCATED DURING DEMOLITION, SEE GRADING PLAN L3.2.
3. CONTRACTOR TO PROVIDE "OWEGO RESTROOM" IDS SIGN. REFER TO DETAIL 6/L6.4.

CONTRACTOR TO TAKE CARE
NOT TO DAMAGE ADJACENT
FENCE

CONTROL JOINT (TYP)

GENERAL NOTES:

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1 SITE IMPROVMENT PLANS

SCALE: 1"=5'

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HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607 - 396 - 1000 ROCHESTER, NY 696 - 327 - 7850
TOWANNA, NY 510 - 233 - 7486
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NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

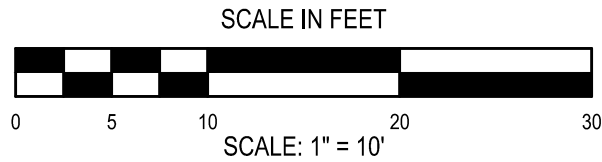
SITE IMPROVEMENT PLANS - RESTROOM AREA
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L2.2

PROJECT NO: 2550.011

GENERAL NOTES:

1. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
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13. CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.



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HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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TOWNSEND, NY 510 - 235 - 7885
TOWSON, MD 410 - 528 - 9085
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

SITE IMPROVEMENT PLANS- COURT REFERBISH

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L2.3

PROJECT NO: 2550.011

G# GENERAL SITE IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE STANDARD DUTY ASPHALT FINISHED PAVEMENT AND NEW SUBBASE AS INDICATED ON THE DRAWINGS (APPROXIMATELY 12,720SF). REFER TO DETAIL 11/L6.2. FOR BIDDING PURPOSES ASSUME 625SF OF SUB-BASE REPAIR REQUIRED.
2. CONTRACTOR TO PROVIDE (7) PARK SEATING BENCH AS INDICATED ON THE DRAWINGS AND PER MATERIAL PLAN. SEE SHEET L5.1.
3. CONTRACTOR TO PROVIDE (5) LARGE SHADE TREE PLANTINGS AS INDICATED ON THE DRAWINGS AND PER PLANTING PLAN. SEE SHEET 5.1.
4. CONTRACTOR TO PROVIDE BASKETBALL COALS AND WHITE REFLECTORIZED PAINT FOR BASKETBALL COURT LINES AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 3&4/L6.3

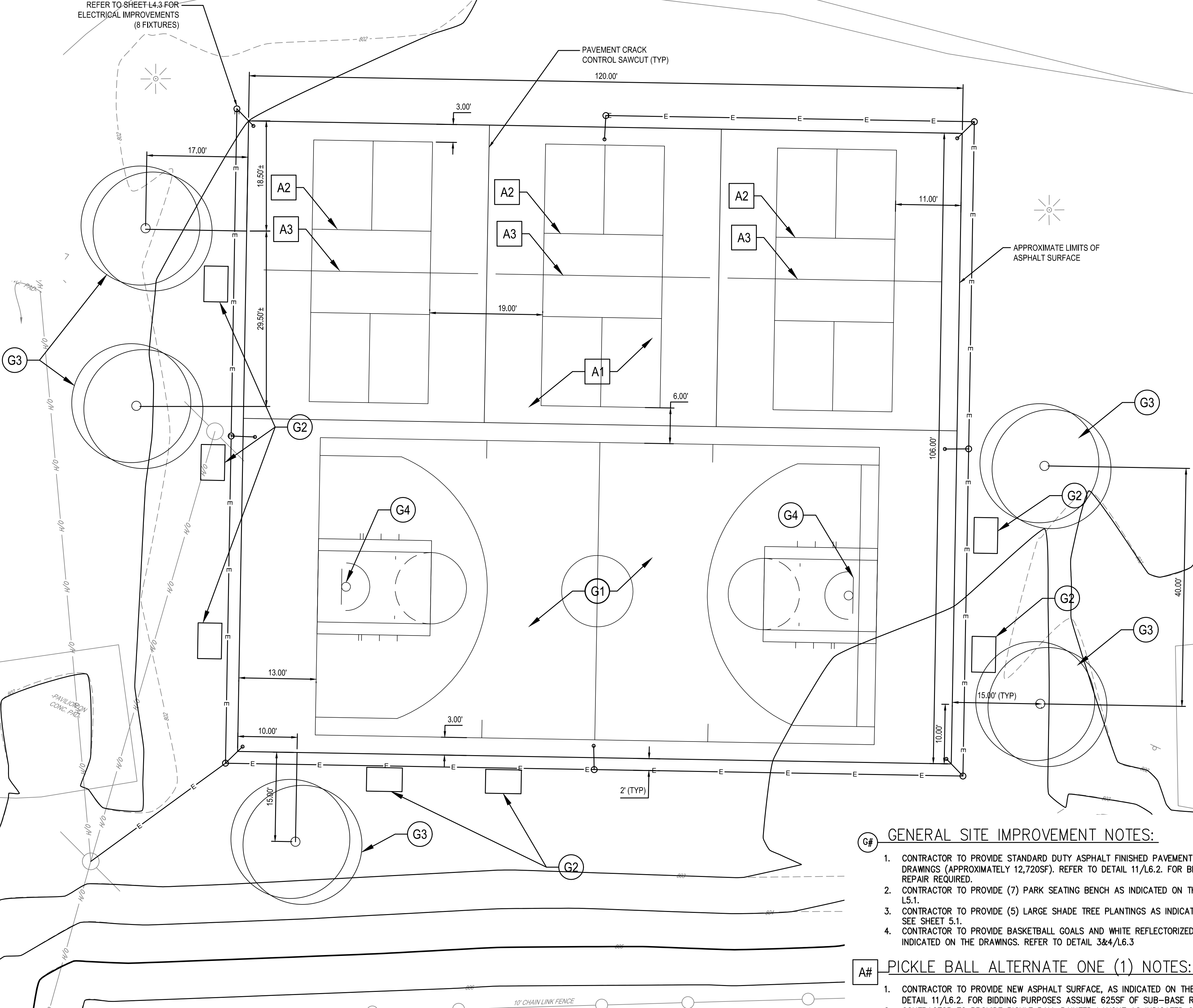
A# PICKLE BALL ALTERNATE ONE (1) NOTES:

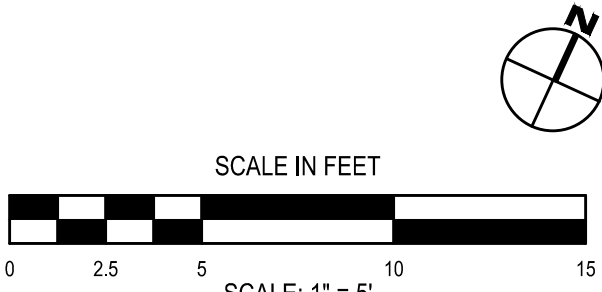
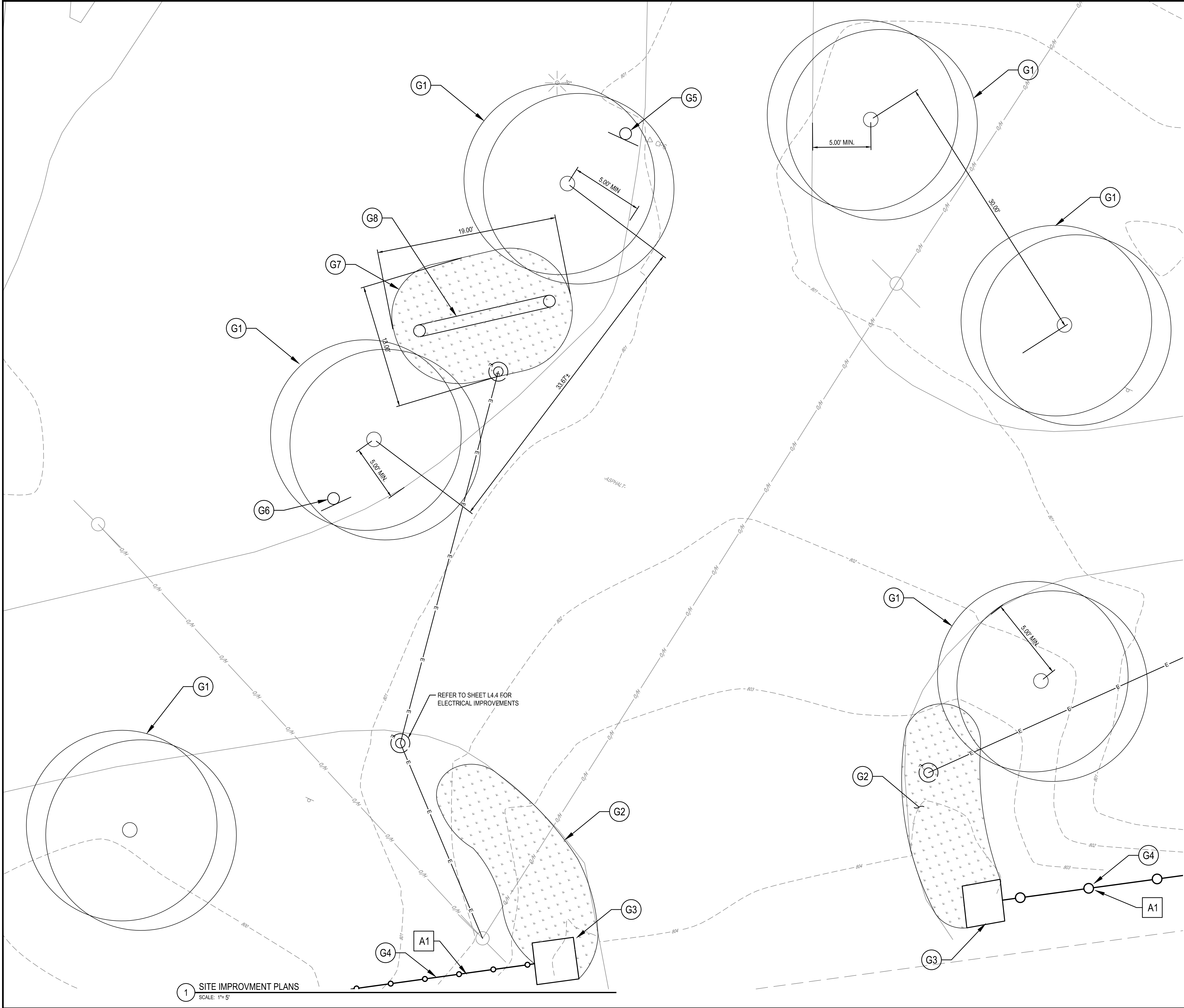
1. CONTRACTOR TO PROVIDE NEW ASPHALT SURFACE, AS INDICATED ON THE DRAWINGS (APPROXIMATELY 12,720SF). REFER TO DETAIL 11/L6.2. FOR BIDDING PURPOSES ASSUME 625SF OF SUB-BASE REPAIR REQUIRED.
2. CONTRACTOR TO PROVIDE PICKLE BALL PAINTED LAYOUT AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 1/L6.4
3. CONTRACTOR TO PROVIDE PICKLE BALL NETTING AND POSTS AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 2 & 3 ON SHEET L6.4

REFER TO SHEET L4.3 FOR ELECTRICAL IMPROVEMENTS (8 FIXTURES)

PAVEMENT CRACK CONTROL SAWCUT (TYP)
120.00'

APPROXIMATE LIMITS OF ASPHALT SURFACE





G# GENERAL SITE IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE (6) LARGE SHADE TREE AS INDICATED ON THE DRAWINGS AND PER PLANTING PLAN ON SHEET L5.1.
2. CONTRACTOR TO PROVIDE LANDSCAPE PLANTING BED WITH MULCH AND EDGING AS INDICATED ON THE DRAWINGS AND PER PLANTING PLAN L5.1.
3. CONTRACTOR TO WASH AND RESTORE ENTRANCE COLUMNS IN A NEAT AND WORKMAN LIKE MANNER. LOSE STONES REMOVED DURING DEMOLITION SHOULD BE REINSTALLED AND MORTARED IN PLACE WITH COLORING TO MATCH EXISTING. ANY PLANTING GROWTH OR OTHERWISE UNSIGHTLY BLEMISHES ARE TO BE REMOVED. CONTRACTOR MAY WISH TO SUB-CONTRACT TO A SPECIALIST.
4. CONTRACTOR TO PROVIDE AMERTISTAR VINYLCOAT (BLACK) 4' CHAIN LINK FENCE OR APPROVED EQUAL ACROSS THE ENTIRE FRONT OF MARVIN PARK & WEST MAIN STREET AS INDICATED ON THE PLANS (APPROXIMATELY 1250LF PLUS GATE SECTION AS SHOWN ON L2.6. REFER TO 1/L6.3.
5. CONTRACTOR TO REINSTALL "PARK SPEED LIMIT" SIGNAGE ON NEW BREAK AWAY SIGN MOUNTING. REFER TO DETAIL 3/L6.1.
6. CONTRACTOR TO REINSTALL "PARK RULES" SINGAGE ON NEW BREAK AWAY SIGN MOUNTING. REFER TO DETAIL 3/L6.3.
7. CONTRACTOR TO PROVIDE LANDSCAPE PLANTING BED AREA WITH CENTRAL IDS SIGN FEATURE AS INDICATED ON THE DRAWINGS AND PER THE PLANTING AND MATERIALS PLANS. SEE SHEET L5.1.
8. CONTRACTOR TO PROVIDE IDS SIGN. REFER TO DETAIL 5/L6.4..

A# PRIMARY FENCING ALTERNATE TWO (2) NOTES:

1. CONTRACTOR TO PROVIDE AMERTISTAR MONTAGE COMMERCIAL GRADE FENCE (BLACK) 4' OR APPROVED EQUAL ACROSS THE ENTIRE FRONT OF MARVIN PARK & WEST MAIN STREET AS INDICATED ON THE PLANS (APPROXIMATELY 1250LF PLUS GATE SECTION) REFER TO DETAIL 1/L6.5.

GENERAL NOTES:

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8. CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL.
9. CONTRACTOR TO REVIEW CONSTRUCTION BEFORE STARTING WORK AND DISCUSS WITH ENGINEER AS REQUIRED. CONTRACTOR TO PROVIDE SCHEDULE AND RECOMMENDED SEQUENCE OF CONSTRUCTION.
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- 13.

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HUNT
ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 807 - 396 - 1000
TOWNSEND, NY 807 - 396 - 1000
TOWNSHIP, NY 807 - 396 - 1000
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ROCHESTER, NY 585 - 327 - 7850
SINGAPORE, SINGAPORE 65 - 896 - 8081
NEW JERSEY, NJ 908 - 988 - 8081
PA CERTIFICATE NO. TSC22203131464-1

SITE IMPROVEMENT PLANS - ENTRANCE

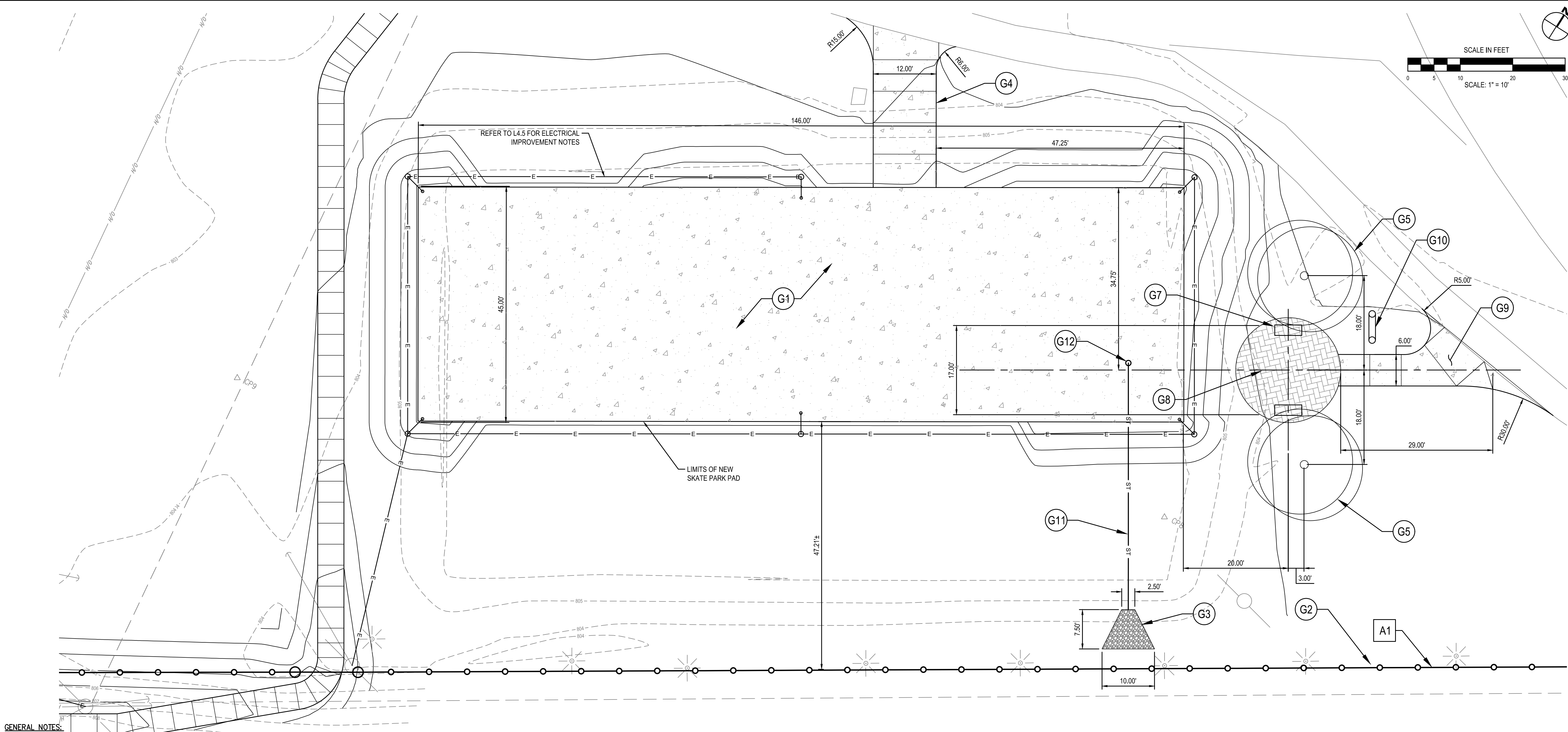
OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L2.4

PROJECT NO: 2550.011



GENERAL NOTES:

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6. CONTRACTOR TO CONFIRM ADJACENT FACILITY ENTRY/EXITS ELEVATIONS TO BE MAINTAINED. FINAL GRADES TO BE ADJUSTED TO ACCOMMODATE THESE ENTRANCES.
7. CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR INSTALLATION OF ANY SITE IMPROVEMENTS. FIELD CONDITIONS MAY VARY FROM WHAT IS CURRENTLY SHOWN.
8. CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL.
9. CONTRACTOR TO REVIEW CONSTRUCTION BEFORE STARTING WORK AND DISCUSS WITH ENGINEER AS REQUIRED. CONTRACTOR TO PROVIDE SCHEDULE AND RECOMMENDED SEQUENCE OF CONSTRUCTION.
10. EXISTING UTILITIES ARE TO REMAIN ON SITE AND SHOULD NOT BE DISTURBED UNLESS OTHERWISE NOTED.
11. ALL LIGHT POLES, PULL BOXES, DRAINS AND CATCH BASINS ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED AND SHOULD BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
12. CONTRACTOR TO TAKE PARTICULAR CARE WHEN WORKING NEAR OR AROUND THE ADJACENT PROPERTIES AND UTILITIES. DAMAGE TO ANY STRUCTURE WILL NOT BE ACCEPTED AND COULD RESULT IN EXTREME PENALTIES OR REPARATIONS.
13. CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

A#

PRIMARY FENCING ALTERNATE TWO (2) NOTES:

1. CONTRACTOR TO PROVIDE AMERTISTAR MONTAGE COMMERCIAL GRADE FENCE (BLACK) 4' OR APPROVED EQUAL ACROSS THE ENTIRE FRONT OF MARVIN PARK & WEST MAIN STREET AS INDICATED ON THE PLANS (APPROXIMATELY 1250LF PLUS GATE SECTION) REFER TO DETAIL 1/L6.5.

G#

GENERAL SITE IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE NEW CONCRETE SURFACE AND SKATEPARK OBSTACLES AS INDICATED ON DRAWINGS PROVIDED BY GRINDLINE.
2. CONTRACTOR TO PROVIDE AMERISTAR VINYL COAT (BLACK) 4' CHAIN LINK FENCE OR APPROVED EQUAL ACROSS THE ENTIRE FRONT OF MARVIN PARK & WEST MAIN STREET AS INDICATED ON THE PLANS (APPROXIMATELY 1250LF PLUS GATE SECTION) AS SHOWN ON L2.6. REFER TO DETAILS 1 & 2/L6.3
3. CONTRACTOR TO PROVIDE HDPE OUTLET ENDSECTION WITH RIP RAP AS INDICATED ON THE DRAWING. REFER TO DETAIL 5/L7.1.
4. CONTRACTOR TO PROVIDE CONCRETE CAST-IN-PLACE SIDEWALK ACCESS AS INDICATED ON THE DRAWINGS (APPROXIMATELY 435SF). REFER TO DETAIL 2/L6.2.
5. CONTRACTOR TO PROVIDE (2) LARGE SHADE TREE AS INDICATED ON THE DRAWINGS AND PER PLANTING PLANS. REFER TO SHEET L5.1
6. RESERVED.
7. CONTRACTOR TO PROVIDE (2) BENCH SEATING AS INDICATED ON THE DRAWINGS AND PER MATERIAL PLANS. REFER TO SHEET L5.1.
8. CONTRACTOR TO PROVIDE PAVER SURFACE FOR SHADED SEATING AREA AS INDICATED ON THE DRAWINGS (APPROXIMATELY 250SF). REFER TO DETAIL 9/L6.2 AND SHEET L5.1.
9. CONTRACTOR TO PROVIDE CONCRETE CAST-IN-PLACE SIDEWALK ACCESS AS INDICATED ON THE DRAWINGS (APPROXIMATELY 230SF). REFER TO DETAIL 2/L6.2.
10. CONTRACTOR TO PROVIDE "RYAN ROOFNER MEMORIAL SKATEPARK" IDS SIGN. REFER TO DETAIL 6/L6.4
11. CONTRACTOR TO PROVIDE 50' LF OF 10" DIA. HDPE DRAINPIPE AT MIN 1% SLOPE FOR STORM DRAINAGE. REFER TO DETAIL 5/L6.3. OUTLET INVERT EL. 803.75'
12. CONTRACTOR TO PROVE 10" DRAIN CAST-IN CONCRETE, CONNECTED TO STORM DRAIN LINE. REFER TO DETAIL 5/L6.3.

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TOWN OF OWEGO, NY 510 - 235 - 7885
TOWNSHIP OF OWEGO, NY 510 - 235 - 7885
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

SITE IMPROVEMENT PLANS - SKATEPARK
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK



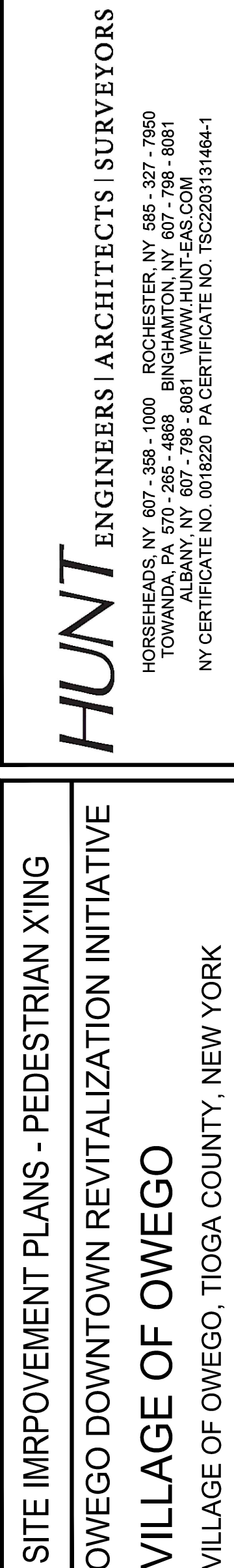
- GENERAL NOTES:**
1. CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE PATTERNS AND PROTECT EXISTING STORMWATER FACILITIES THROUGHOUT CONSTRUCTION.
 2. ALL REMAINING DISTURBED AREAS OUTSIDE OF THE PROPOSED SITE LIMITS SHALL BE RETURNED TO EXISTING CONDITIONS OR BETTER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
 3. CONTRACTOR IS RESPONSIBLE FOR ALL MAINTENANCE AND PROTECTION OF TRAFFIC FOR ALL WORK, MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH NYSDOT REQUIREMENTS. REFER TO NYSDOT NOTES THIS SHEET.
 4. ALL EXISTING UTILITIES TO REMAIN IN PLACE AND PROTECTED THROUGHOUT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGES AND SHALL REPAIR OR REPLACE TO THE SATISFACTION OF THE VILLAGE AND ENGINEER AT NO ADDITIONAL COST TO THE VILLAGE.
 5. CONTRACTOR TO CONFIRM EXISTING CONDITIONS PRIOR INSTALLATION OF ANY SITE IMPROVEMENTS. FIELD CONDITIONS MAY VARY FROM WHAT IS CURRENTLY SHOWN.
 6. CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE REMOVAL AND DISPOSAL OF ALL WASTE MATERIAL.
 7. CONTRACTOR TO REVIEW CONSTRUCTION BEFORE STARTING WORK AND DISCUSS WITH ENGINEER AS REQUIRED. CONTRACTOR TO PROVIDE SCHEDULE AND RECOMMENDED SEQUENCE OF CONSTRUCTION.
 8. CONTRACTOR TO TAKE PARTICULAR CARE WHEN WORKING NEAR OR AROUND THE ADJACENT PROPERTIES AND UTILITIES. DAMAGE TO ANY STRUCTURE WILL NOT BE ACCEPTED AND COULD RESULT IN EXTREME PENALTIES OR REPARATIONS.
 9. CONTRACTOR SHALL NOTIFY THE VILLAGE 72-HOURS IN ADVANCE OF ANY ANTICIPATED SERVICE INTERRUPTION.

- ## 2 SITE IMPROVEMENT PLANS

SCALE IN FEET

0 2.5 5 10 15

SCALE: 1" = 5'



L2.6

PROJECT NO: 2550.011

1. ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO SITE FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE BMPS.
2. EROSION AND SEDIMENT BMPS MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPS.
3. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO BE REMOVED IMMEDIATELY.
4. VEHICLES SHALL ONLY ENTER AND EXIT ACROSS THE ROCK CONSTRUCTION ENTRANCE.
5. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
6. REFER TO UTILITY PLANS FOR UNDERGROUND UTILITY APPROXIMATE LOCATION PRIOR TO EXCAVATION.

LEGEND:

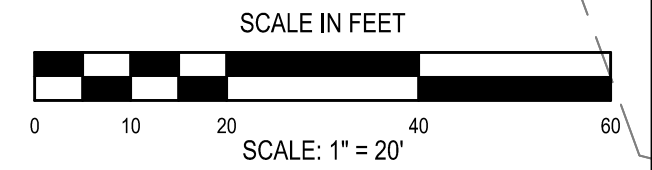
LIMIT OF WORK

COMPOST SILT SOCK (CSS 12")

ROCK CONSTRUCTION ENTRANCE (RCE)

CONCRETE WASHOUT

CSS INLET PROTECTION (12")



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		<p>"IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER, ARCHITECT'S OR SURVEYOR'S SEAL."</p>

HUNT
ENGINEERS | ARCHITECTS | SURVEYORS

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HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
ALBANY, NY 607-798-8081 WWW.HUNT-EAS.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

GRADING & EROSION CONTROL - PLAYGROUND

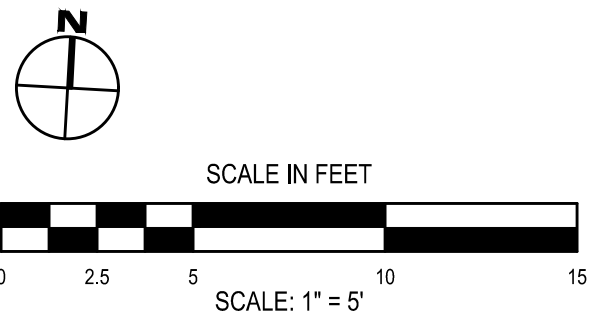
OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L3.1

PROJECT NO: 2550.011



STANDARD EROSION AND SEDIMENT CONTROL NOTES:

1. ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO SITE FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE BMPs.
2. EROSION AND SEDIMENT BMPs MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPs.
3. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO BE REMOVED IMMEDIATELY.
4. VEHICLES AND EQUIPMENT SHALL ONLY ENTER AND EXIT ACROSS THE ROCK CONSTRUCTION ENTRANCE.
5. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
6. REFER TO UTILITY PLANS FOR UNDERGROUND UTILITY APPROXIMATE LOCATION PRIOR TO EXCAVATION.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVEN AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

LEGEND:

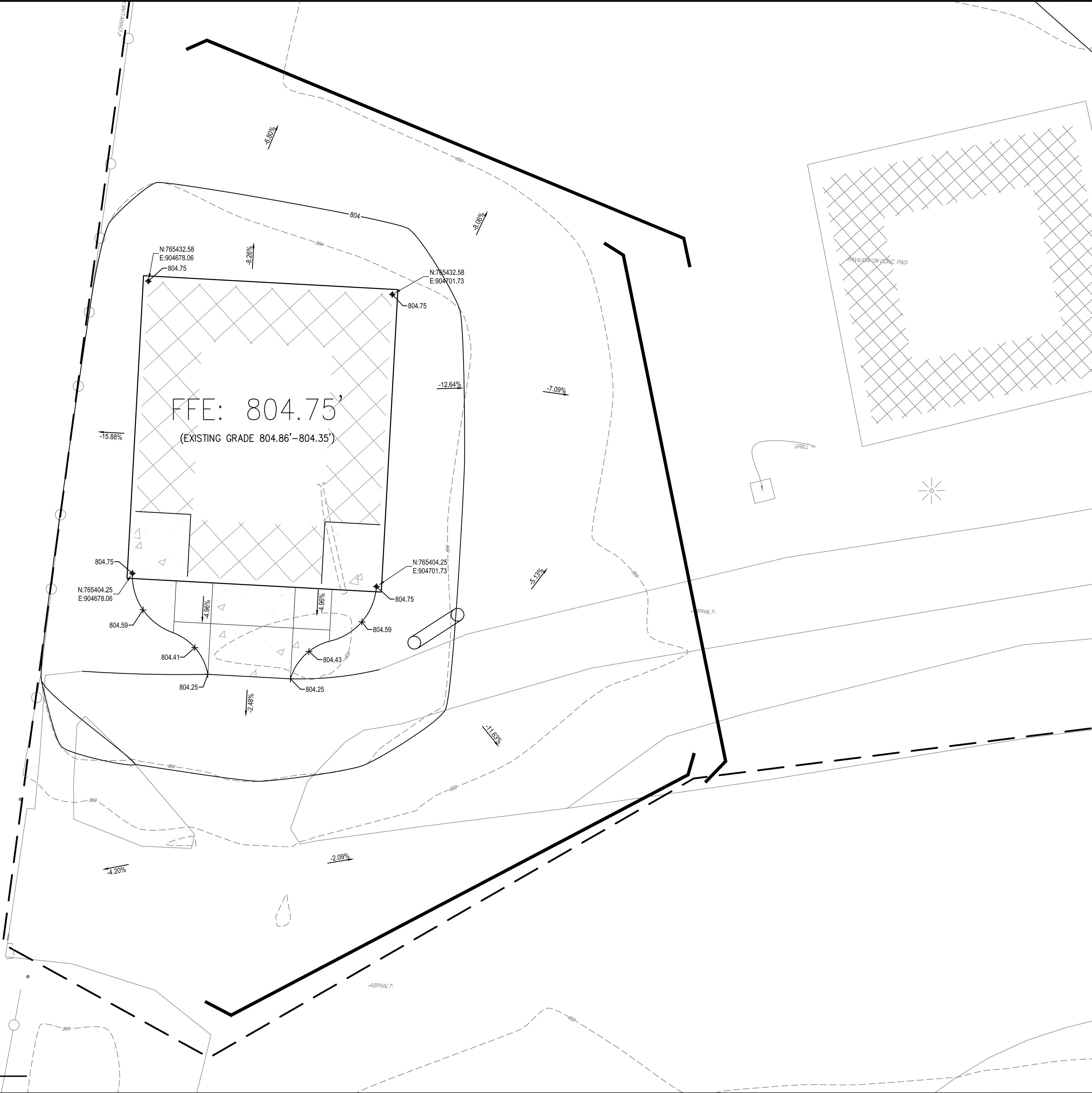
--- LIMIT OF WORK

--- COMPOST SILT SOCK (CSS 12")

--- ROCK CONSTRUCTION ENTRANCE (RCE)

□ CONCRETE WASHOUT

○ CSS INLET PROTECTION (12")



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TOWANNA, NY 510 - 205 - 7495 BINGHAMTON, NY 607 - 799 - 8081
OWEGO, NY 607 - 265 - 8985
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

GRADING & EROSION CONTROL - RESTROOM

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L3.2

PROJECT NO: 2550.011

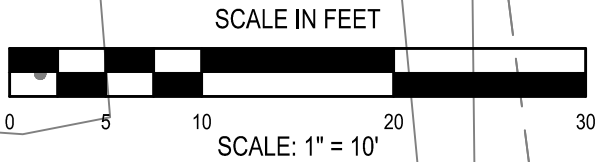
STANDARD EROSION AND SEDIMENT CONTROL NOTES:

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2. EROSION AND SEDIMENT BMPs MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPs.
3. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO BE REMOVED IMMEDIATELY.
4. VEHICLES AND EQUIPMENT SHALL ONLY ENTER AND EXIT ACROSS THE ROCK CONSTRUCTION ENTRANCE.
5. STOCKPILE HEIGHTS MUST NOT EXCEED 35 FEET. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.
6. REFER TO UTILITY PLANS FOR UNDERGROUND UTILITY APPROXIMATE LOCATION PRIOR TO EXCAVATION.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVEN AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

LEGEND:

- LIMIT OF WORK
- COMPOST SILT SOCK (CSS 12")
- ROCK CONSTRUCTION ENTRANCE (RCE)
- CONCRETE WASHOUT
- CSS INLET PROTECTION (12")



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NEW YORK, NY 212 - 696 - 8086 WWW.HUNT-PA.COM
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

GRADING & EROSION CONTROL - COURTS
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L3.3
PROJECT NO: 2550.011

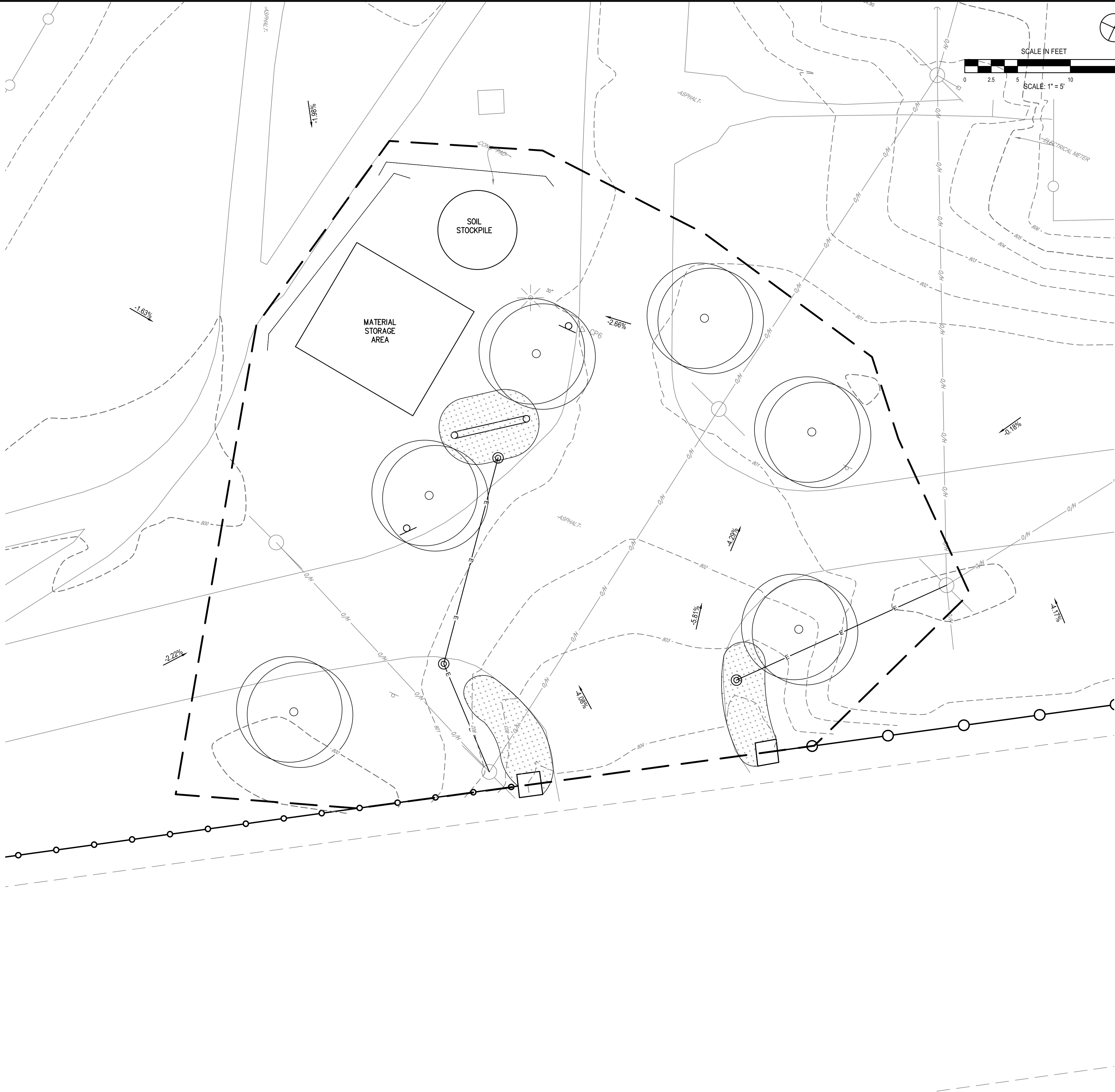
STANDARD EROSION AND SEDIMENT CONTROL NOTES:

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3. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO BE REMOVED IMMEDIATELY.
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6. REFER TO UTILITY PLANS FOR UNDERGROUND UTILITY APPROXIMATE LOCATION PRIOR TO EXCAVATION.

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVEN AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

LEGEND:

- LIMIT OF WORK
- COMPOST SILT SOCK (CSS 12")
- ROCK CONSTRUCTION ENTRANCE (RCE)
- CONCRETE WASHOUT
- CSS INLET PROTECTION (12")



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OWEGO, NY 607 - 398 - 8085
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

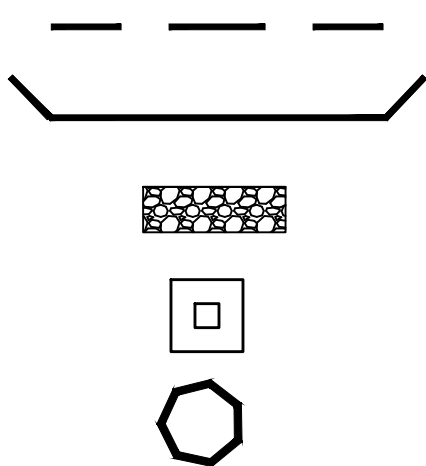
GRADING & EROSION CONTROL PLAN
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

STANDARD EROSION AND SEDIMENT CONTROL NOTES:

- ONLY LIMITED DISTURBANCE WILL BE PERMITTED TO PROVIDE ACCESS TO SITE FOR GRADING AND ACQUIRING BORROW TO CONSTRUCT THOSE BMPs.
- EROSION AND SEDIMENT BMPs MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE BEGINS WITHIN THE TRIBUTARY AREAS OF THOSE BMPs.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES TO BE REMOVED IMMEDIATELY.
- VEHICLES AND EQUIPMENT SHALL ONLY ENTER AND EXIT ACROSS THE ROCK CONSTRUCTION ENTRANCE.
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UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPs MUST BE MAINTAINED PROPERLY. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPs AFTER EACH RUNOFF EVEN AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND RENETTING MUST BE PERFORMED IMMEDIATELY. IF EROSION AND SEDIMENT CONTROL BMPs FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPs, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.

LEGEND:



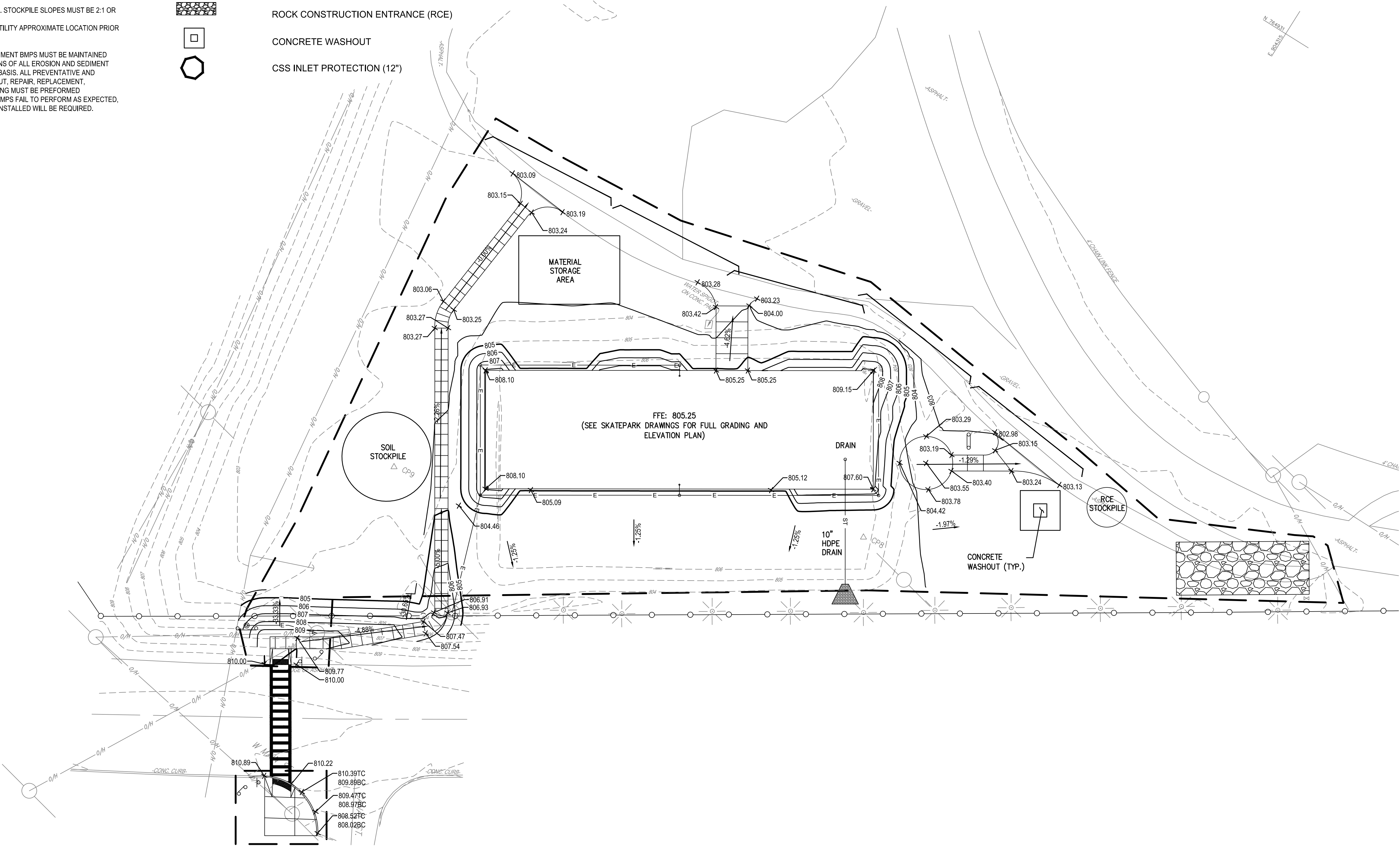
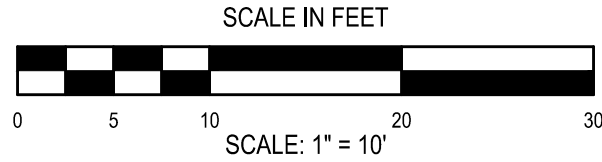
LIMIT OF WORK

COMPOST SILT SOCK (CSS 12")

ROCK CONSTRUCTION ENTRANCE (RCE)

CONCRETE WASHOUT

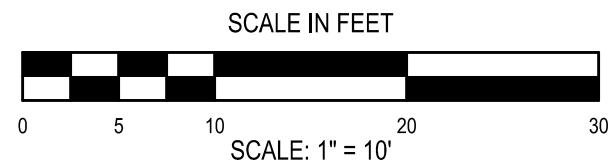
CSS INLET PROTECTION (12")



E#

ELECTRICAL IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE NEW FIXTURE L-1 AS NOTED ON SHEET L4.6 WITH POLE AND FOUNDATION AS INDICATED ON THE DRAWINGS.
2. CONTRACTOR TO PROVIDE BURIED CONDUIT, WIRE AND ALL NECESSARY CONNECTION TO SUPPLY POWER TO LIGHT FIXTURES AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 2/L6.1



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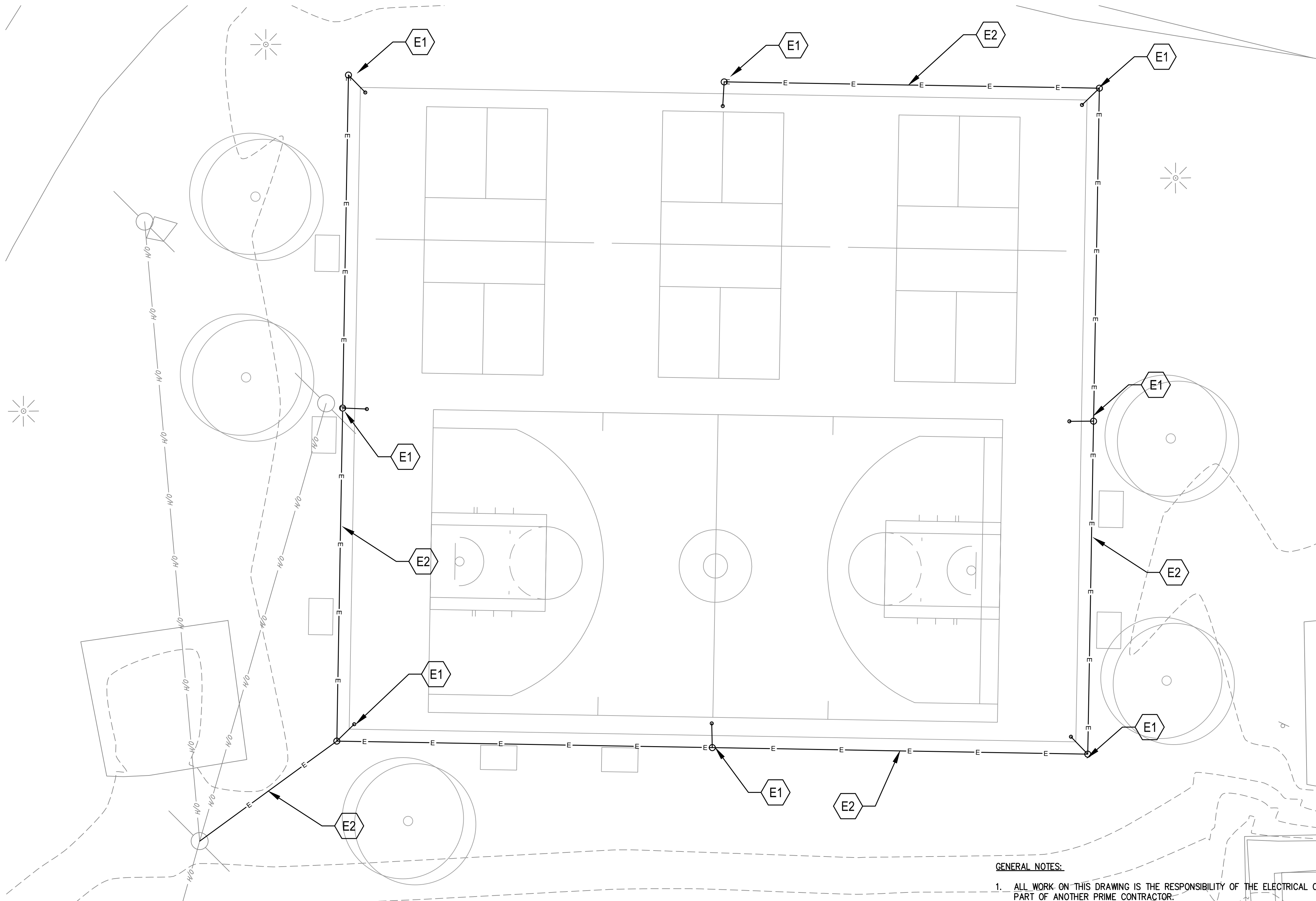
IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.

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TOWANDA, NY 510 - 233 - 7885
NEW YORK, NY 212 - 696 - 8081
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22203131464-1

LIGHTING - COURTS
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L4.3

PROJECT NO: 2550.011



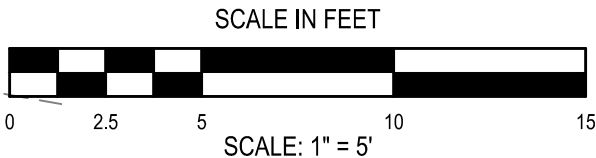
GENERAL NOTES:

1. ALL WORK ON THIS DRAWING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACTOR.
2. PRIOR TO CONSTRUCTION AND INSTALLATION, E.C. SHALL VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS OR CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
3. E.C. IS RESPONSIBLE FOR ALL EXCAVATIONS UNLESS SPECIFICALLY NOTED.
4. ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANSI/TIA/EIA STANDARDS.
5. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE E.C. UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
6. MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 1" UNLESS OTHERWISE NOTED.
7. MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THHN/THWN, UNLESS OTHERWISE NOTED.
8. ELECTRICAL DEVICES, MATERIALS AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
9. E.C. TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT. COORDINATE THIS EFFORT WITH THE LOCAL NYSEG WORK CONTRACTOR.

E#

ELECTRICAL IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE NEW FIXTURE L-2 AS NOTED ON SHEET L4.6 WITH POLE AND FOUNDATION AS INDICATED ON THE DRAWINGS.
2. CONTRACTOR TO PROVIDE NEW FIXTURE L-3 AS NOTED ON SHEET L4.6 WITH POLE AND FOUNDATION AS INDICATED ON THE DRAWINGS.
3. CONTRACTOR TO PROVIDE BURIED CONDUIT, WIRE AND ALL NECESSARY CONNECTION TO SUPPLY POWER TO LIGHT FIXTURES AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 2/L6.1



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HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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TOWNSHIPS, NY 510 - 235 - 7885
TOWNSHIP, NY 510 - 235 - 7885
TOWNSHIP, NY 510 - 235 - 7885
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

LIGHTING - ENTRANCE

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L4.4

PROJECT NO: 2550.011

1 LIGHTING
SCALE: 1"= 5'

GENERAL NOTES:

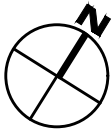
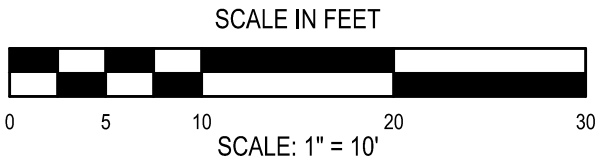
1. ALL WORK ON THIS DRAWING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACTOR.
2. PRIOR TO CONSTRUCTION AND INSTALLATION, E.C. SHALL VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS OR CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
3. E.C. IS RESPONSIBLE FOR ALL EXCAVATIONS UNLESS SPECIFICALLY NOTED.
4. ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANSI/TIA/EIA STANDARDS.
5. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE E.C. UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
6. MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 1" UNLESS OTHERWISE NOTED.
7. MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THHN/THWN, UNLESS OTHERWISE NOTED.
8. ELECTRICAL DEVICES, MATERIALS AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
9. E.C. TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT. COORDINATE THIS EFFORT WITH THE LOCAL NYSEG WORK CONTRACTOR.

E# ELECTRICAL IMPROVEMENT NOTES:

1. CONTRACTOR TO PROVIDE NEW FIXTURE L-1 AS NOTED ON SHEET L4.6 WITH POLE AND FOUNDATION AS INDICATED ON THE DRAWINGS.
2. CONTRACTOR TO PROVIDE NEW FIXTURE L-3 AS NOTED ON SHEET L4.6 WITH POLE AND FOUNDATION AS INDICATED ON THE DRAWINGS.
3. CONTRACTOR TO PROVIDE BURIED CONDUIT, WIRE AND ALL NECESSARY CONNECTION TO SUPPLY POWER TO LIGHT FIXTURES AS INDICATED ON THE DRAWINGS. REFER TO DETAIL 2/L6.1

GENERAL NOTES:

1. ALL WORK ON THIS DRAWING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACTOR.
2. PRIOR TO CONSTRUCTION AND INSTALLATION, E.C. SHALL VERIFY EXISTING CONDITIONS AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS OR CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
3. E.C. IS RESPONSIBLE FOR ALL EXCAVATIONS UNLESS SPECIFICALLY NOTED.
4. ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANSI/TIA/EIA STANDARDS.
5. ALL CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE E.C. UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
6. MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 1" UNLESS OTHERWISE NOTED.
7. MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THHN/THWN, UNLESS OTHERWISE NOTED.
8. ELECTRICAL DEVICES, MATERIALS AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
9. E.C. TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT. COORDINATE THIS EFFORT WITH THE LOCAL NYSEG WORK CONTRACTOR.



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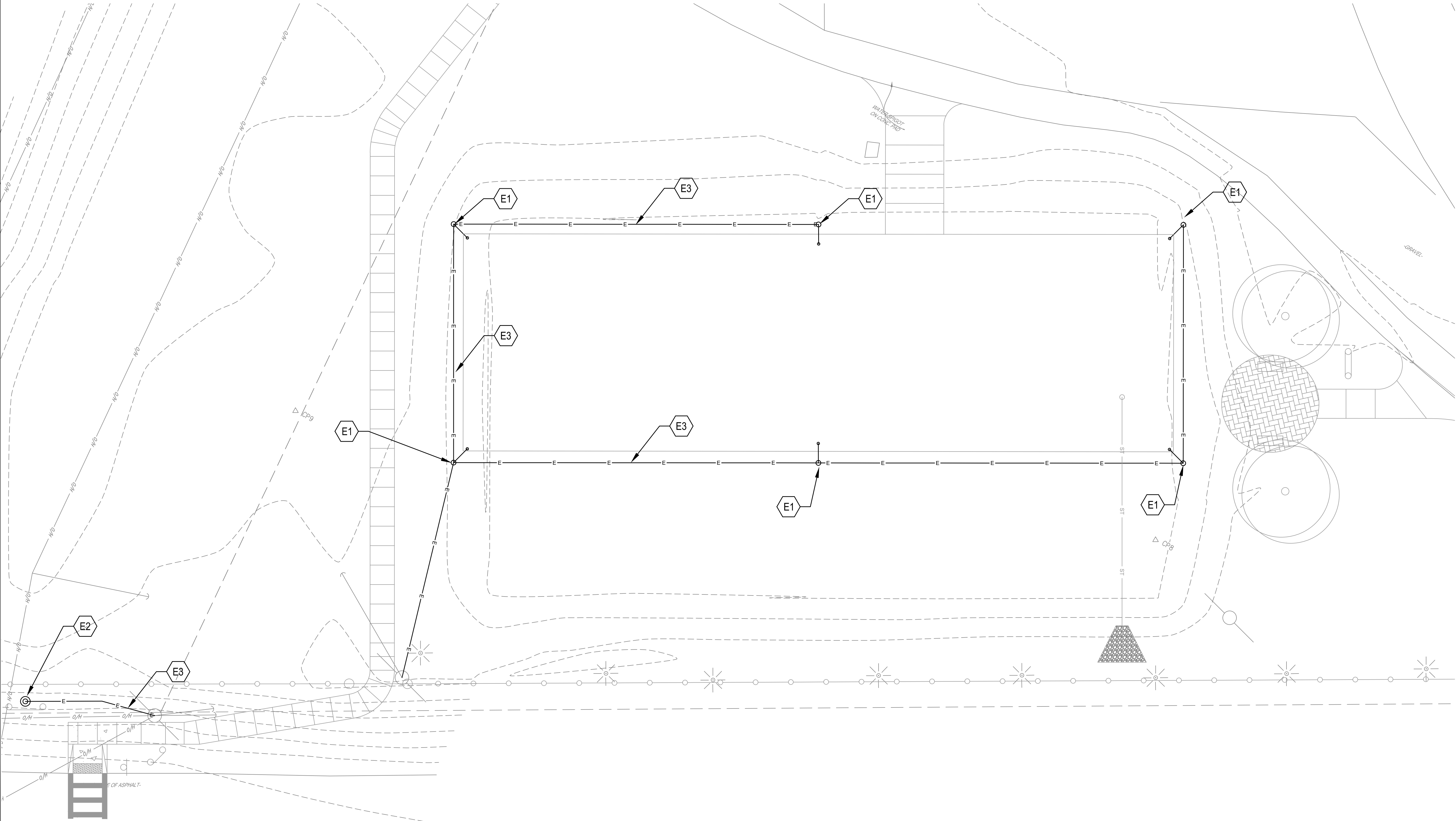
#	DATE	DESCRIPTION OF REVISION

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 396 - 1000 ROCHESTER, NY 695 - 327 - 7850
TOWN OF OWEGO, NY 695 - 327 - 7850
TOWNSHIP OF OWEGO, NY 695 - 327 - 7850
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

LIGHTING - SKATEPARK
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L4.5
PROJECT NO: 2550.011

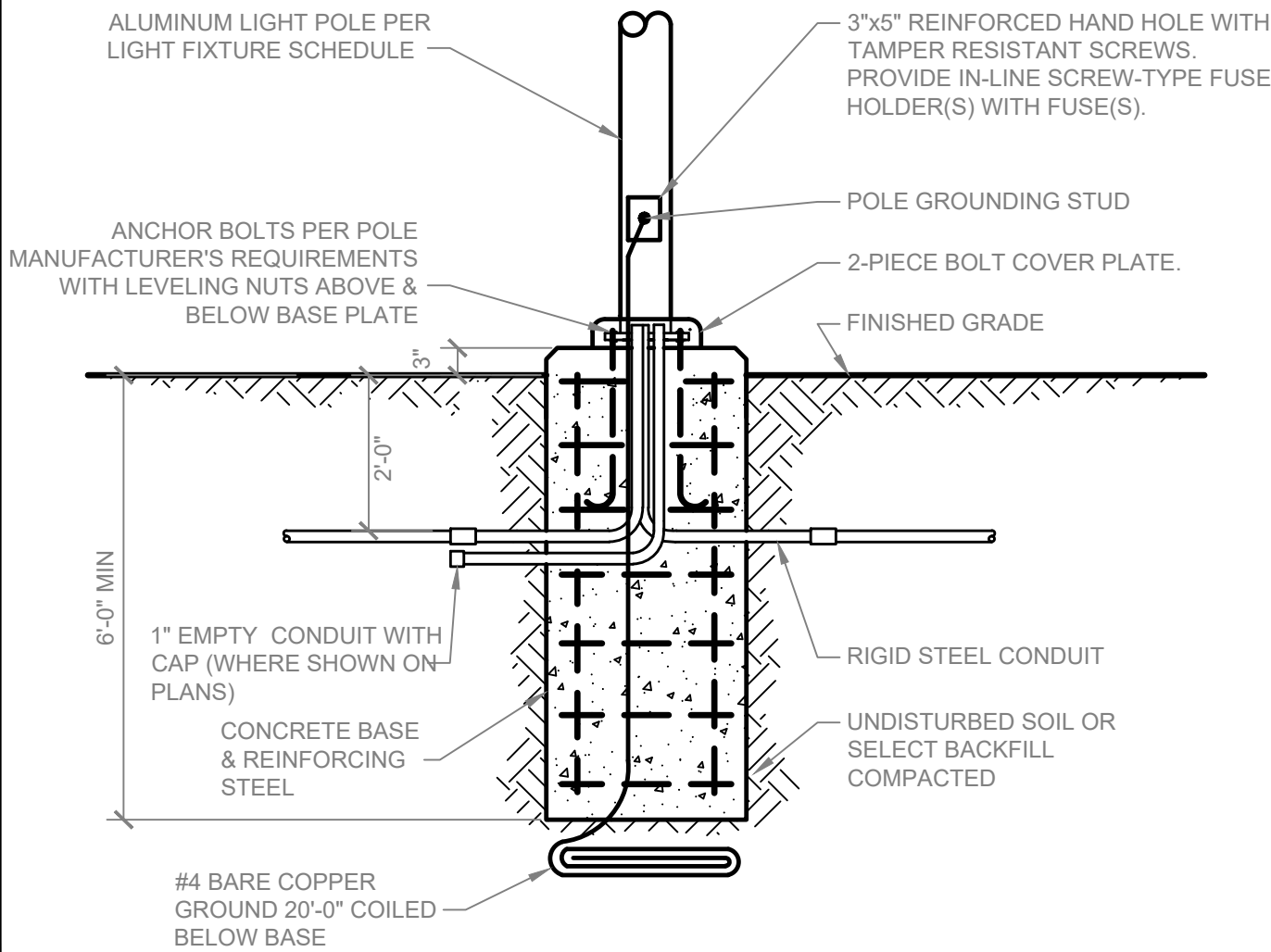


Illuminance Results					
Region Name	Average	Maximum	Minimum	Avg/Min	Max/Min
Skatepark	7.9 fc	23.9 fc	0.7 fc	11.0	33.0
Courts	10.7 fc	24.1 fc	0.8 fc	13.7	30.9

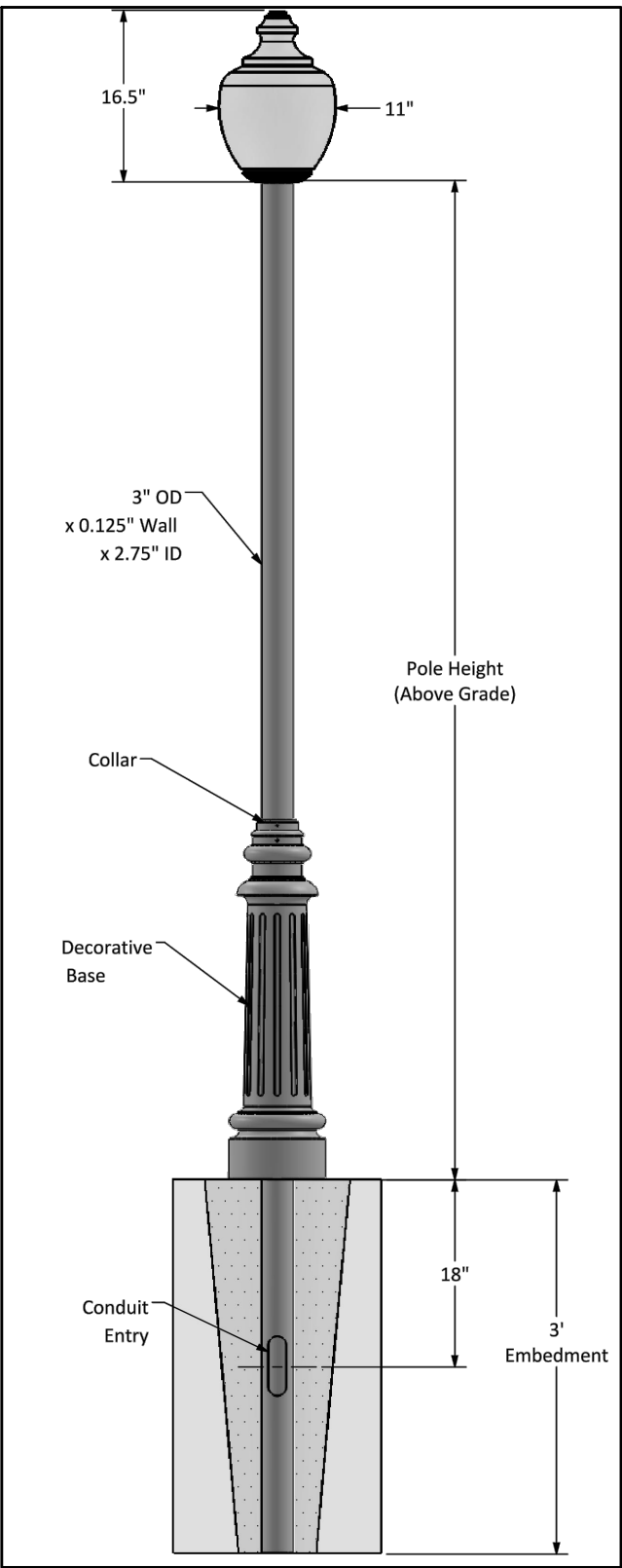
EXTERIOR SITE LIGHT FIXTURE SCHEDULE										
TAG	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	DESCRIPTION	LAMP TYPE	CONFIGURATION	COLOR TEMPERATURE	DISTRIBUTION	VOLTAGE	ACCESSORIES	NOTES
L-1	LITHONIA LIGHTING	HLF2 LED P1 30K MFL MVOLT WG IS DNAXD	FLOOD LIGHT	LED	PACKAGE 1	3000K	MEDIUM FLOOD	120-277V	WIRE GUARD	1, 2, 3
L-2	WINDSOR	PKWD31	DECORATIVE	LED	-	4000K	-	120/277V	-	1, 3, 4
L-3	COOPER	TCRS8M	SIGN LIGHTING	LED	-	4000K	MEDIUM	120/277V	-	1, 3, 5

NOTES:

1. FIXTURES ARE FOR BASIS OF DESIGN ONLY. IF BASIS OF DESIGN PRODUCT IS NOT USED, CONTRACTOR SHALL SUBMIT PRODUCT DETAILS FOR ACCEPTANCE BY EOR AND TOWN.
2. NEW LIGHTING SHALL BE SUPPLIED WITH NEW 25FT LIGHT POLE. REFER TO BASE DETAIL FOR ADDITIONAL INFORMATION.
3. LIGHT SHALL BE PROVIDED WITH PHOTOCELLS FOR DUSK TO DAWN OPERATION.
4. DECORATIVE LIGHT SHALL MATCH TOWN OF OWEGO DECORATIVE LIGHTING AS BEST POSSIBLE.
5. SIGN LIGHTING IS TO BE MOUNTED DIRECTLY TO 1/2" NPS MOUNTING JUNCTION BOX COVER.



L1 FLOOD LIGHT
SCALE: N.T.S.



L3 SIGN LIGHT
SCALE: N.T.S.

GENERAL ELECTRICAL NOTES:

- THE GENERAL ELECTRICAL NOTES ON THIS SHEET APPLY TO ALL THE ELECTRICAL DRAWINGS.
- BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, TRANSITIONS, FITTINGS, CLEARANCES, POSSIBLE CLASHES, AND ACCESSORIES THAT MAY BE REQUIRED.
- ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BE FULLY COGNIZANT OF ALL CONDITIONS PRIOR TO SUBMITTING BID. REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO SUBMITTAL OF BID.
- WHERE THERE IS A CONFLICT ON THE PLANS, SPECIFICATIONS, NOTES, GENERAL NOTES, REFERENCES, PUBLICATIONS, CODES, ETC. WITH RESPECT TO CONSTRUCTION, MATERIALS, PRODUCTS, METHODS, WORKMANSHIP, PROCEDURE, EXECUTION, ETC. THE MOST STRINGENT SHALL BE UTILIZED OR INSTALLED. THE MOST STRINGENT SHALL BE DEFINED AS THE SPECIFICATION OR REQUIREMENT THAT ALLOWS ALL SPECIFICATIONS OR REQUIREMENTS THAT ARE IN CONFLICT TO BE SATISFIED. NO RELIEF OR EXTRA PAYMENT SHALL BE MADE TO THE CONTRACTOR BECAUSE OF THIS INTERPRETATION.
- ELECTRICAL CONTRACTOR SHALL NOT BEGIN FABRICATION, CUT ANY MEMBERS, OR BEGIN INSTALLATION UNTIL THE SUBMITTALS AND COORDINATED SHOP DRAWINGS HAVE BEEN APPROVED. ANY WORK CONSTRUCTED OR INSTALLED PRIOR TO THE APPROVAL OF SUBMITTALS AND COORDINATED SHOP DRAWINGS SHALL BE AT THE ELECTRICAL CONTRACTOR'S RISK AND SHALL BE REMOVED AND REINSTALLED OR RECONSTRUCTED AT THE ELECTRICAL CONTRACTOR'S EXPENSE AT THE REQUEST OF THE OWNER'S REPRESENTATIVE TO THE COMPLETE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- UNLESS STATED OTHERWISE, ALL EXISTING MATERIAL AND EQUIPMENT SHALL REMAIN THE PROPERTY OF THE PROJECT OWNER.
- THE ELECTRICAL CONTRACTOR SHALL DEVELOP AND PRESENT A CONSTRUCTION PLAN AND WORK SCHEDULE WITH ALL PHASING, STAGING, AND SEQUENCING OF WORK FOR APPROVAL PRIOR TO THE COMMENCEMENT AND BEGINNING IMPLEMENTATION OF HIS WORK.
- UNLESS SPECIFICALLY NOTED AS EXISTING, ALL ITEMS, EQUIPMENT, AND WORK SHOWN IS NEW AND SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR ALL CHARACTERISTICS OF THE EQUIPMENT THAT HE INTENDS TO INSTALL AND MUST FOLLOW MANUFACTURER RECOMMENDATIONS FOR PROPER INSTALLATION. IF THERE ARE ANY DIFFERENCES IN THE EQUIPMENT SHOWN ON THE DESIGN DRAWINGS AND THE EQUIPMENT TO BE INSTALLED, THE ELECTRICAL CONTRACTOR SHALL MAKE ALL CHANGES AND ADJUSTMENTS TO ACCOMMODATE THE PROPOSED EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER. THIS APPLIES TO ALL SUPPORT SERVICES AND FACILITIES NECESSARY TO PROPERLY INSTALL THE EQUIPMENT TO FUNCTION ADEQUATELY AS PART OF THE SYSTEMS FOR WHICH THEY WERE DESIGNED AND SELECTED. THESE CHARACTERISTICS INCLUDE SUCH THINGS AS WEIGHT, CLEARANCE, DIMENSIONS, ELECTRICAL AND UTILITY SERVICES, ETC. ACCOMMODATING SERVICES INCLUDE SUCH THINGS AS DIMENSIONS, LOCATIONS, AND SIZES OF SUPPORTING MEMBERS, CONNECTION SIZES, ELECTRICAL SERVICE SIZE AND PROTECTION, ELECTRICAL CONNECTION LOCATION, UTILITY SIZES AND LOCATIONS, ETC. ALL REQUIRED CHANGES TO THE CONTRACT DRAWINGS AND SPECIFICATIONS SHALL BE DESIGNED AND STAMPED BY REGISTERED ENGINEERS IN THE APPROPRIATE DISCIPLINE EMPLOYED BY THE ELECTRICAL CONTRACTOR AND SHALL BE INCLUDED AS PART OF THE EQUIPMENT SUBMITTALS. ALL CHANGES SHALL BE SUBJECT TO THE APPROVAL OF THE PROJECT A/E AND THE OWNER'S REPRESENTATIVE.
- UNLESS STATED OTHERWISE, REQUEST APPROVAL FROM THE OWNER'S REPRESENTATIVE SEVEN DAYS IN ADVANCE FOR THE SHUTDOWN OF ANY EXISTING SYSTEM.
- THE CONTRACTOR SHALL PAY FOR ALL DAMAGE, INCLUDING WATER DAMAGE, TO PROPERTY AND EQUIPMENT CAUSED BY HIS WORK THROUGHOUT THE CONSTRUCTION AND WARRANTY PERIOD.
- PATCH AND PAINT TO MATCH EXISTING. ALL SURFACES DAMAGED BY THE DEMOLITION AND ALL OPENINGS NOT TO BE REUSED.
- WHEN A DETAIL OR NOTE IS IDENTIFIED AS TYPICAL, THE ELECTRICAL CONTRACTOR IS TO APPLY THE DETAIL OR NOTE TO EVERY SIMILAR CONDITION, WHETHER OR NOT THE REFERENCED DETAIL OR NOTE IS REPEATED OR REFERENCED.
- WHERE NO CONSTRUCTION DETAIL IS INDICATED, SUCH WORK SHALL BE SIMILAR TO COMPARABLE WORK DETAILED OR NOTED ELSEWHERE OR TO MATCH EXISTING CONDITIONS, SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- THE CONTROLS CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR MAKING THE CONTROL SYSTEM COMPLETE AND FULLY OPERABLE. THE ENGINEER SHALL BE NOTIFIED WHEN EACH PHASE OF THE SYSTEM HAS BEEN COMPLETELY CHECKED OUT, ADJUSTED, CALIBRATED, AND PUT INTO FINAL WORKING CONDITION WITH ALL THE TROUBLESHOOTING COMPLETED. A SUBSEQUENT JOBSITE MEETING WILL BE SCHEDULED WITH TWO WEEKS NOTICE AT WHICH TIME THE CONTROLS CONTRACTOR WILL DEMONSTRATE THE OPERATION OF THE CONTROL SYSTEMS TO ALL CONCERNED. IF ANY ITEMS OF THE CONTROL SEQUENCE CANNOT BE SUCCESSFULLY DEMONSTRATED OR REQUIRE FURTHER TROUBLESHOOTING, A SUBSEQUENT CONTROLS INSPECTION WILL BE REQUIRED AND WILL BE AT THE CONTRACTOR'S EXPENSE. THIS PROVISION SHALL BE A CONDITION OF FINAL ACCEPTANCE.

LIGHTING NOTES AND DETAILS

OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

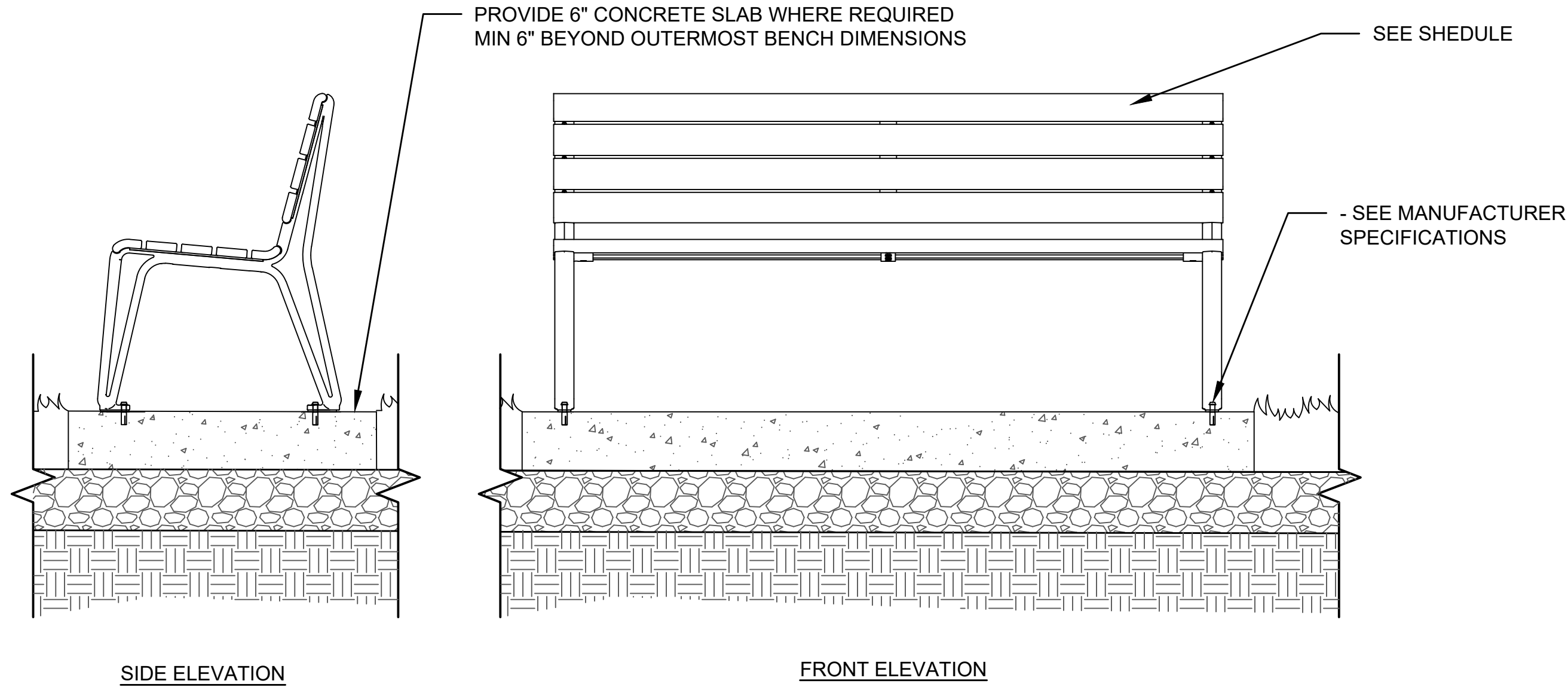
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

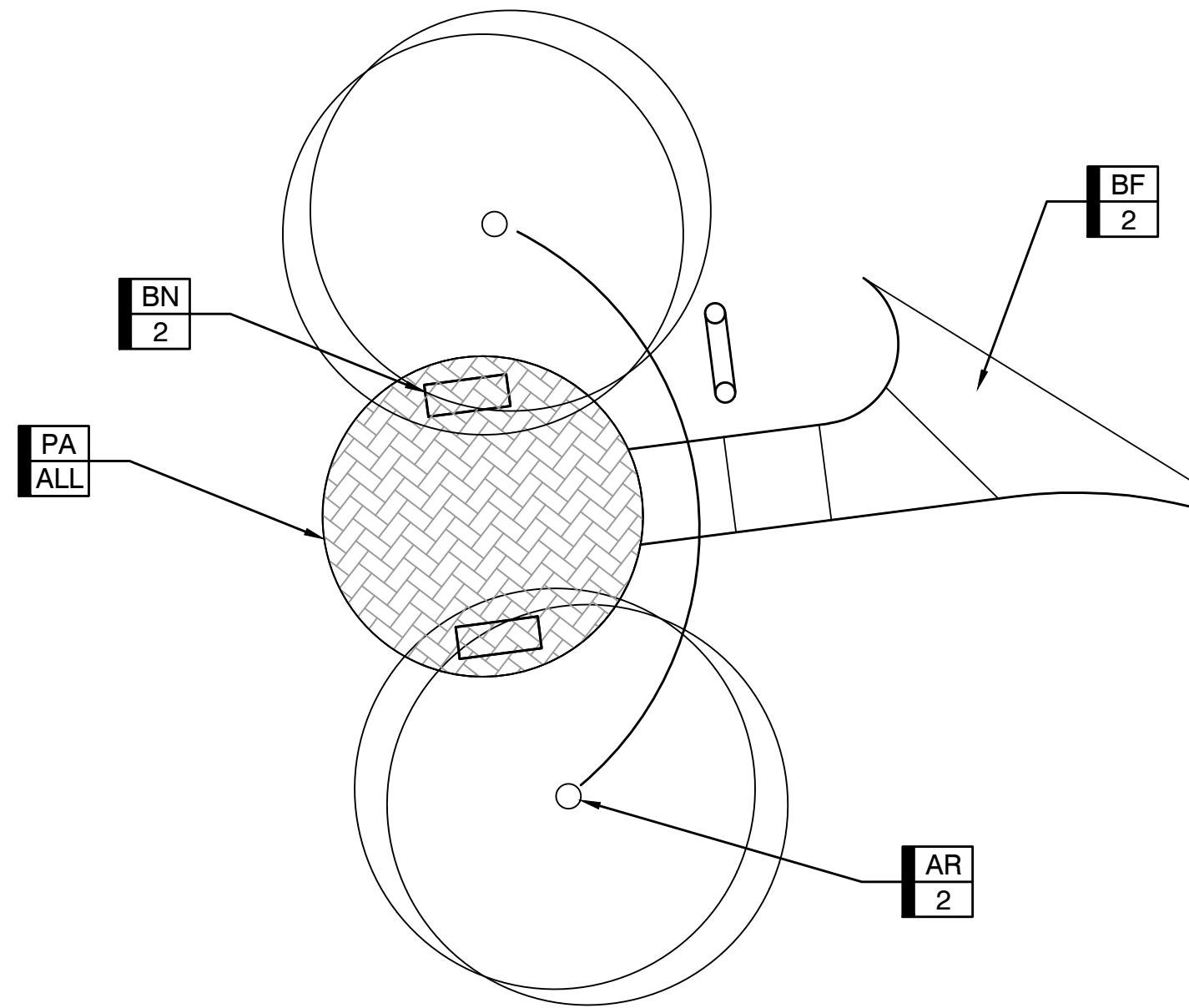
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TOWANNA, NJ 970 - 235 - 7486
TOWSON, MD 410 - 528 - 8081
NEW YORK, NY 212 - 696 - 8081
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22203131464-1

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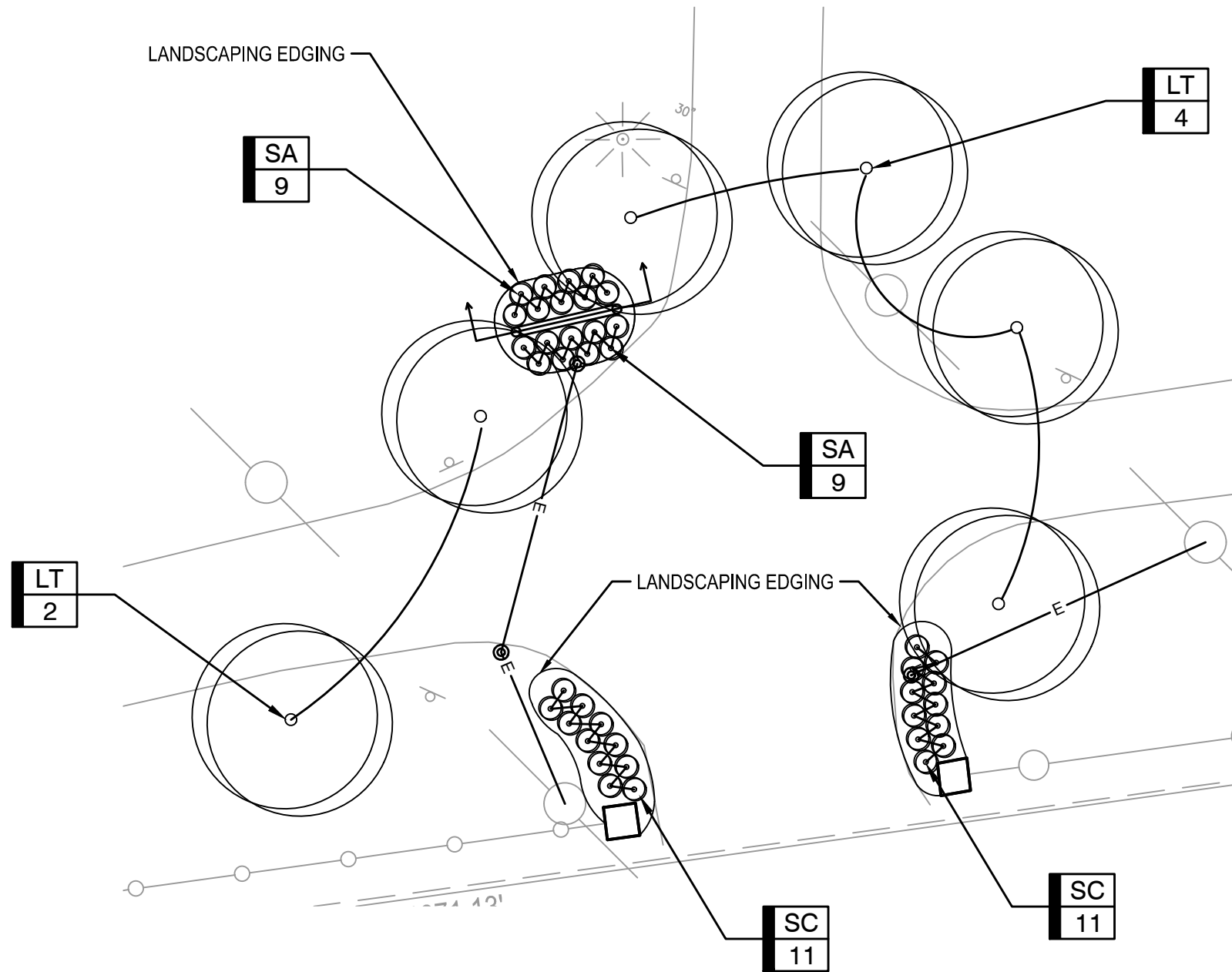
PLANTING AND MATERIAL SCHEDULE							
KEY	QTY.	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	SPACING	REMARKS
DECIDUOUS TREES							
AR	2	ACER RUBRUM 'FRANK JR' 16769	REDPOINTE MAPLE	B&B	1.5" DBH		
GT	5	GLEDITSIA TRICANTHOS VAR. INERMIS "SHADEMASTER"	SHADEMASTER HONEYLOCUST	B&B	1.5" DBH		
LT	6	LIRIODENROM TULIPIFERA	TULIPTREE	B&B	1.5" DBH		
SHRUBS							
SA	18	SPIREA ANTHONY WATERER	ANTHONY WATERER SPIREA	CONT.	1 GAL	3'-0" O.C.	
SC	22	SPIREA CANTONIENSIS	BRIDAL WREATH SPIREA	CONT.	1 GAL	3'-0" O.C.	
MATERIAL SELECTIONS							
SITE FURNITURE							
BN	9	MAGLIN SITE FURNITURE (MODEL: ICONIC NO. MBE-2300-00017 WITH BACK & ARMS) CAST ALUMINUM WITH GLOSS FINISH AND BLACK POWDER COAT. SEATING AND BACK MATERIAL: IPE WOOD					
SURFACE FINISH							
BF	ALL	ALL SIDE WALK AND CONCRETE PADS OUTSIDE THE SKATE PARK SHOULD BE BROOM FINISHED					
PA	ALL	TECHNO-BLOCK (MODEL BLUE 60 SLATE - SLATE TEXTURE & CHAMPLAIN GREY COLOR) 60MM (2.375"x13"x6.5") MODULATE 01 FOR BLU COLLECTION PATTERN. PROVIDE 8"x8" EDGE BLOCK ALONG PERIMETER WITH ALUMINUM EDGING PAINTED BLACK.					



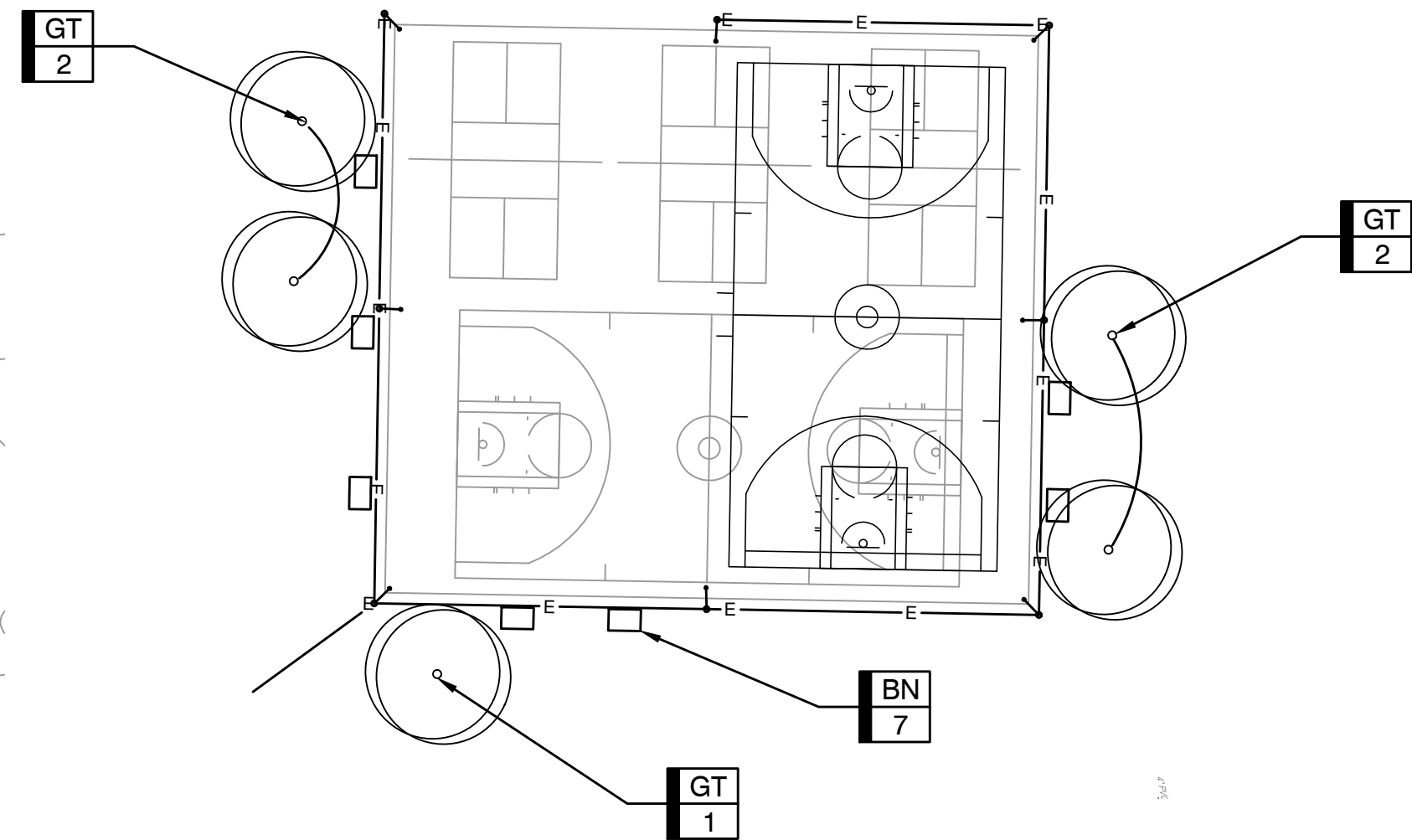
4 BENCH ANCHORING
SCALE: 1" = 10'



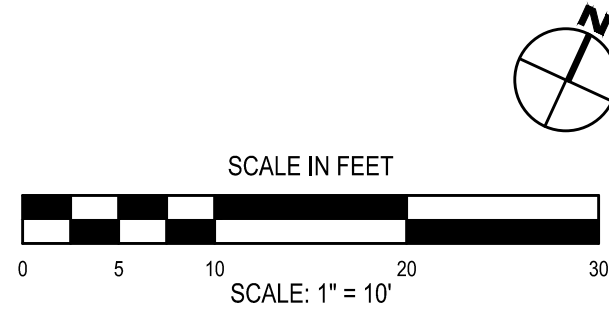
2 PLANTING AND FURNITURE LAYOUT
SCALE: 1" = 10'



2 PLANTING AND FURNITURE LAYOUT
SCALE: 1" = 10'



1 PLANTING AND FURNITURE LAYOUT
SCALE: 1" = 10'



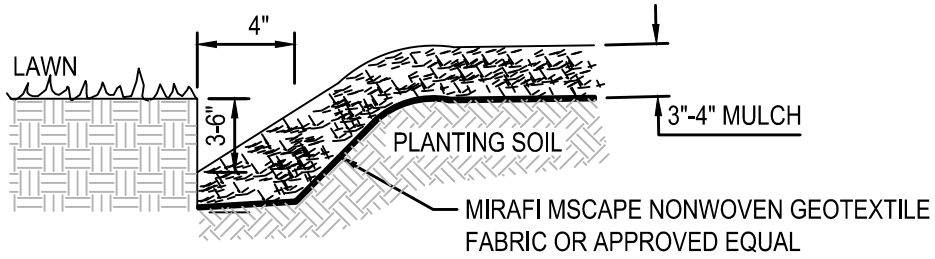
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HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607 - 396 - 1000 ROCHESTER, NY 696 - 327 - 7850
TOWANNA, NY 510 - 203 - 7685 BINGHAMTON, NY 607 - 799 - 8061
TOWANNA, NY 607 - 799 - 8061
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22203131464-1

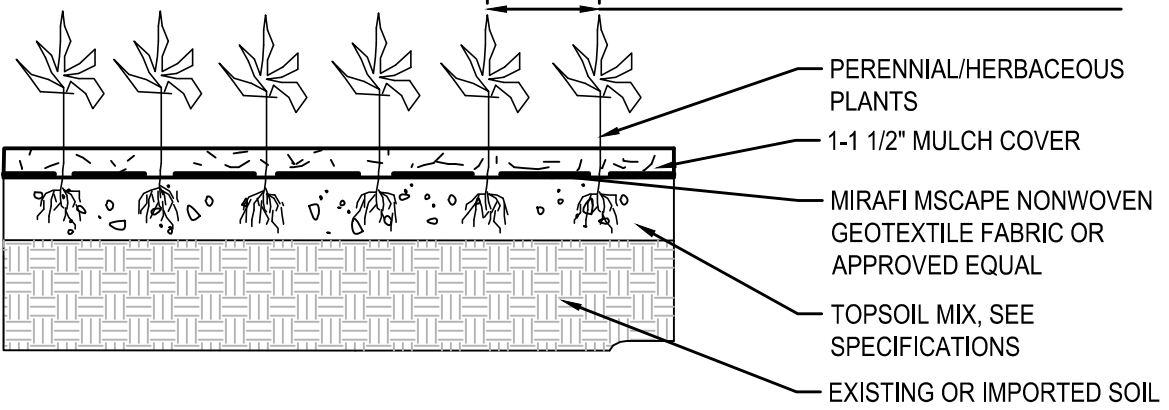
PLANTING AND MATERIAL PLANS
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L5.1
PROJECT NO: 2550.011

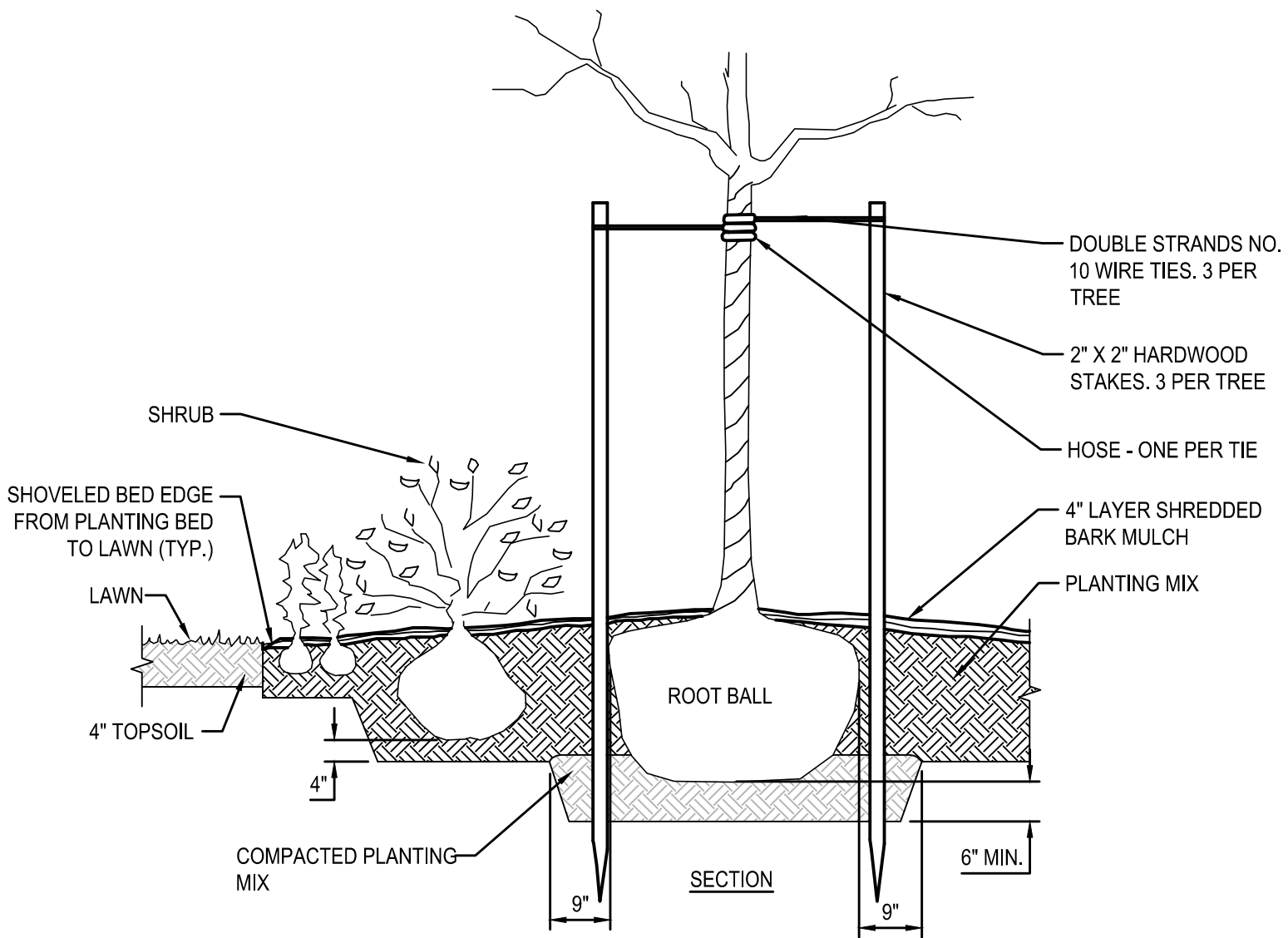
NOTES:
1. ALL MULCHED PLANTING BEDS THAT MEET SOD, OR TURF (GRASS), MUST BE EDGED.
2. ALL WOOD OR STONE MULCHED BEDS ARE REQUIRED TO HAVE A NONWOVEN GEOTEXTILE FABRIC FOR A WEED BARRIER.



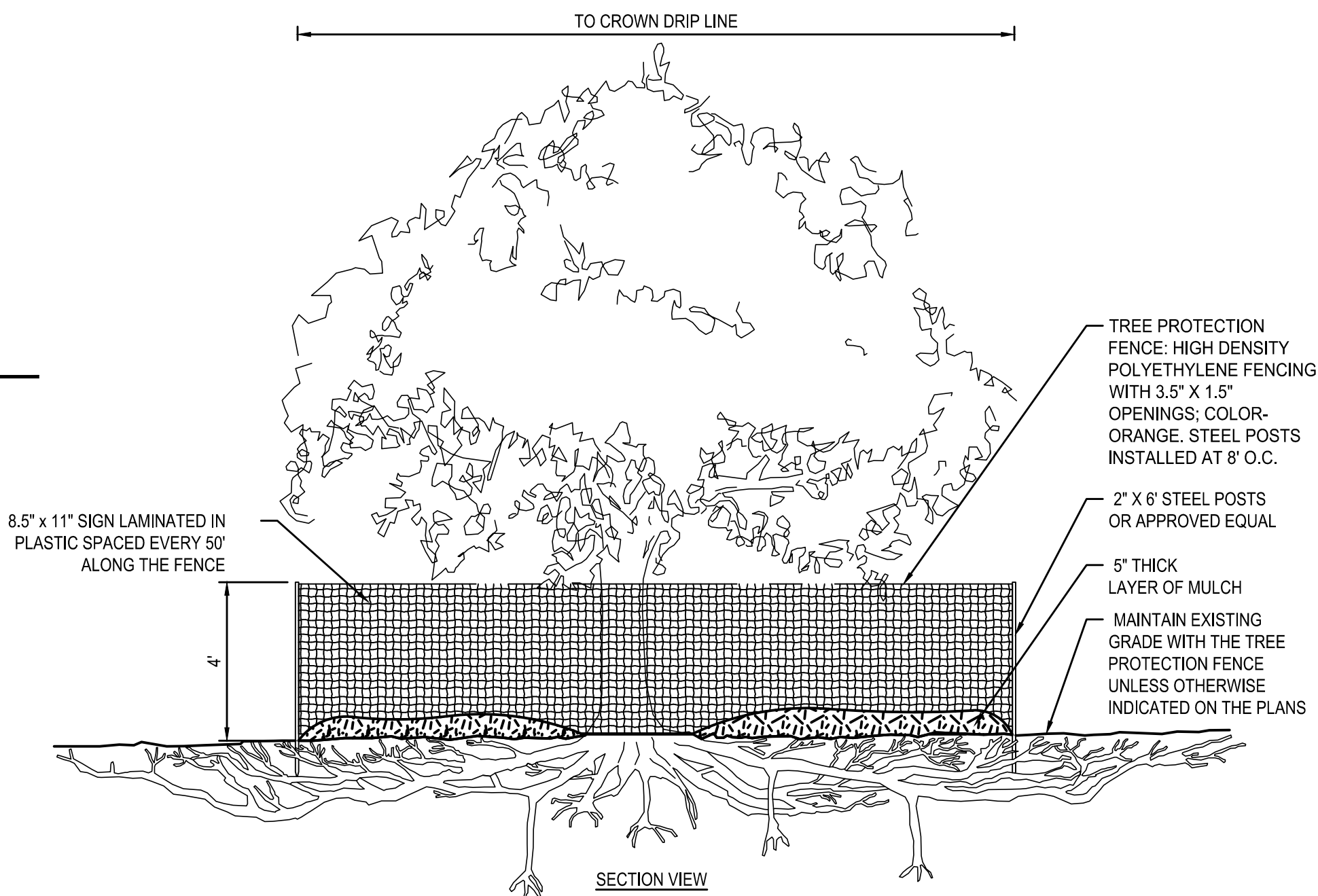
3 SHOVELED BED EDGE DETAIL
SCALE: N.T.S.



2 GROUNDCOVER PERENNIAL PLANTING DETAIL
SCALE: N.T.S.

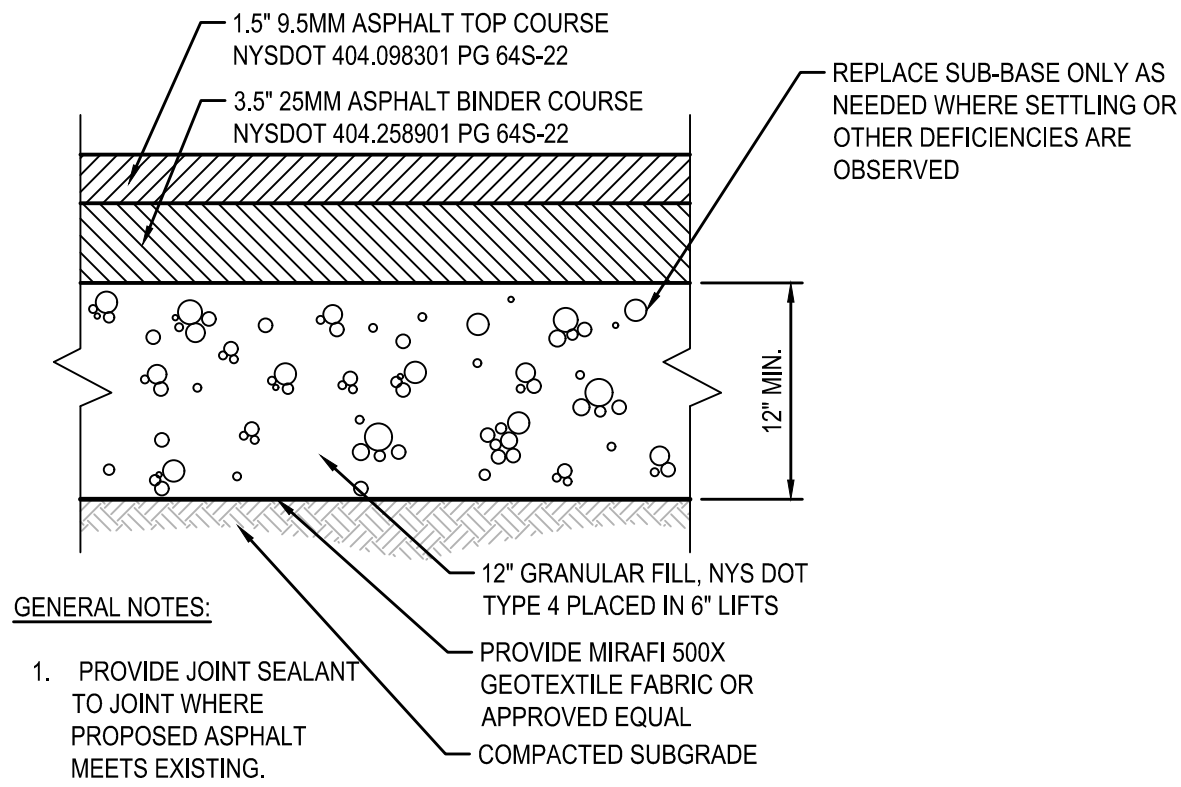


4 TREE AND SHRUB PLANTING DETAILS
SCALE: N.T.S.

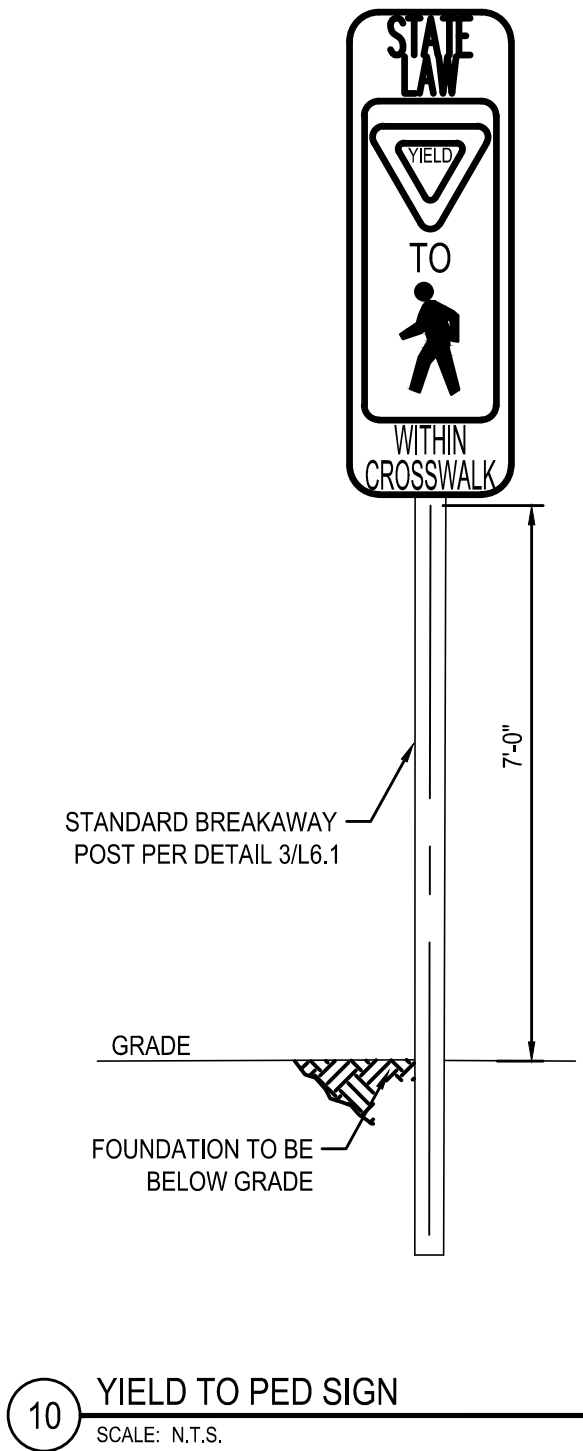


- NOTES:
- SEE SPECIFICATIONS FOR ADDITIONAL TREE PROTECTION REQUIREMENTS. IF THERE IS NO EXISTING IRRIGATION, SEE SPECIFICATIONS FOR WATERING REQUIREMENTS.
 - NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
 - NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.
 - SEE SITE IMPROVEMENT PLAN FOR ANY MODIFICATIONS WITH THE TREE PROTECTION AREA.

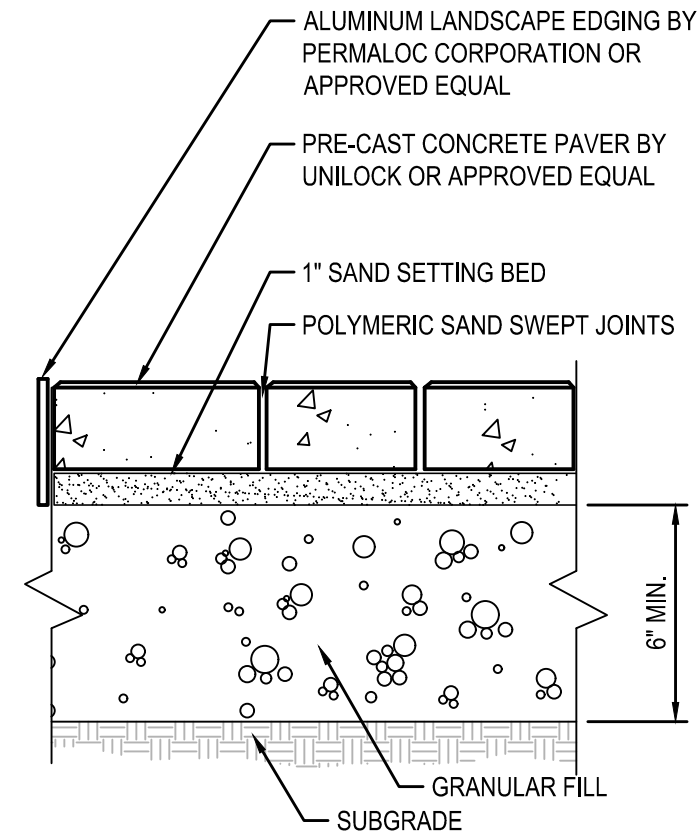
1 TREE PROTECTION DETAIL
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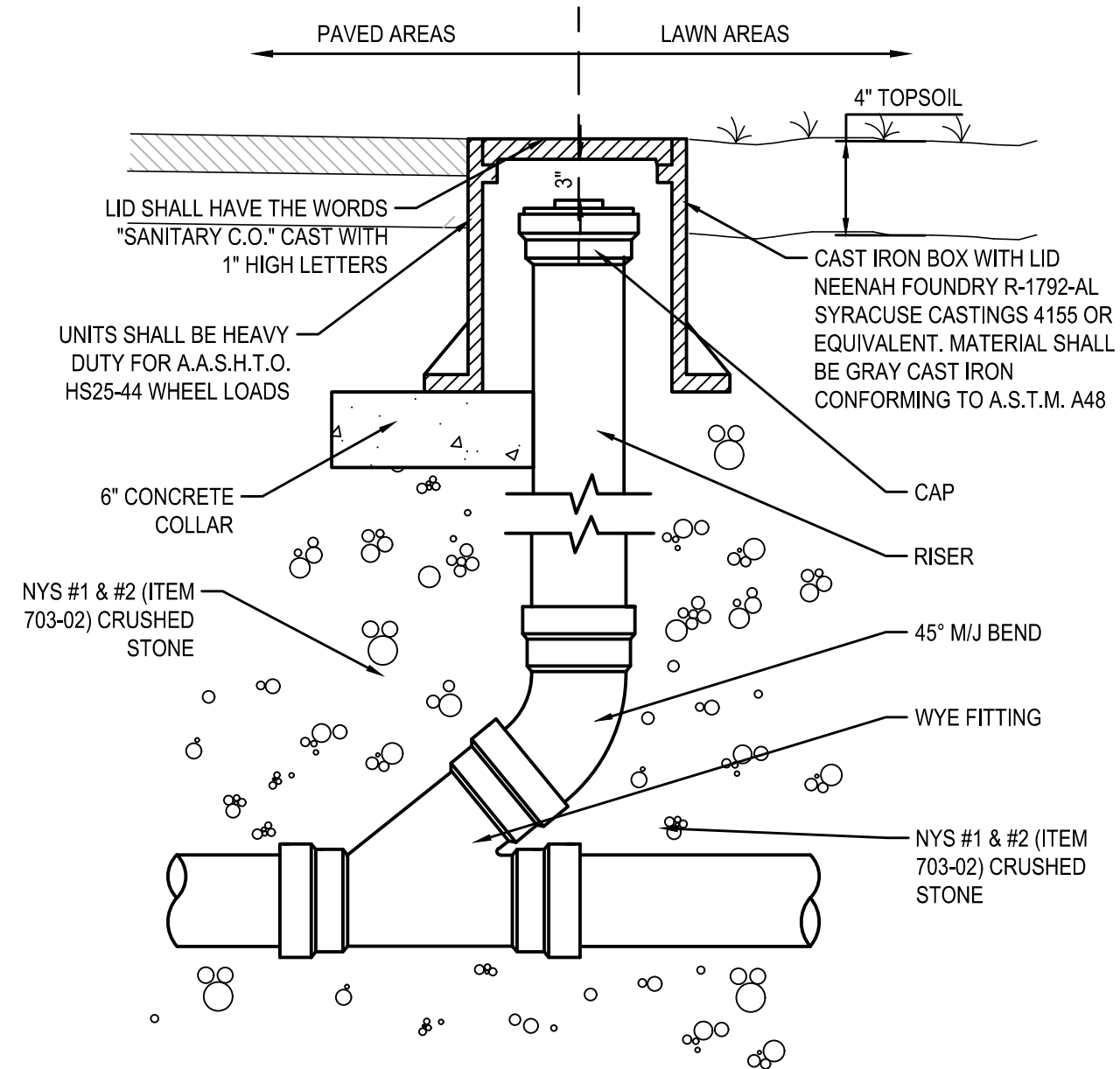
11 STANDARD DUTY ASPHALT PAVEMENT
SCALE: N.T.S.



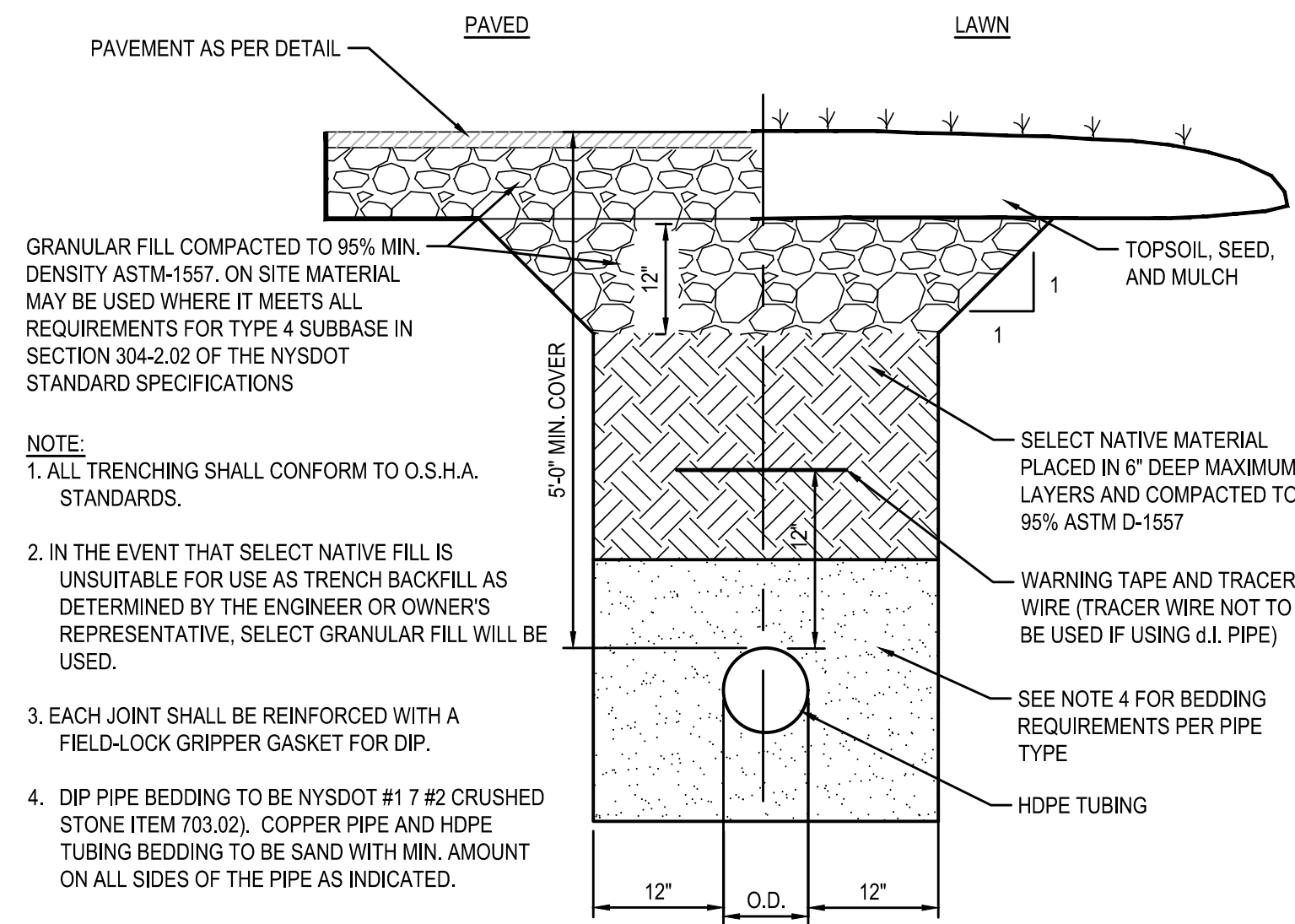
10 YIELD TO PED SIGN
SCALE: N.T.S.



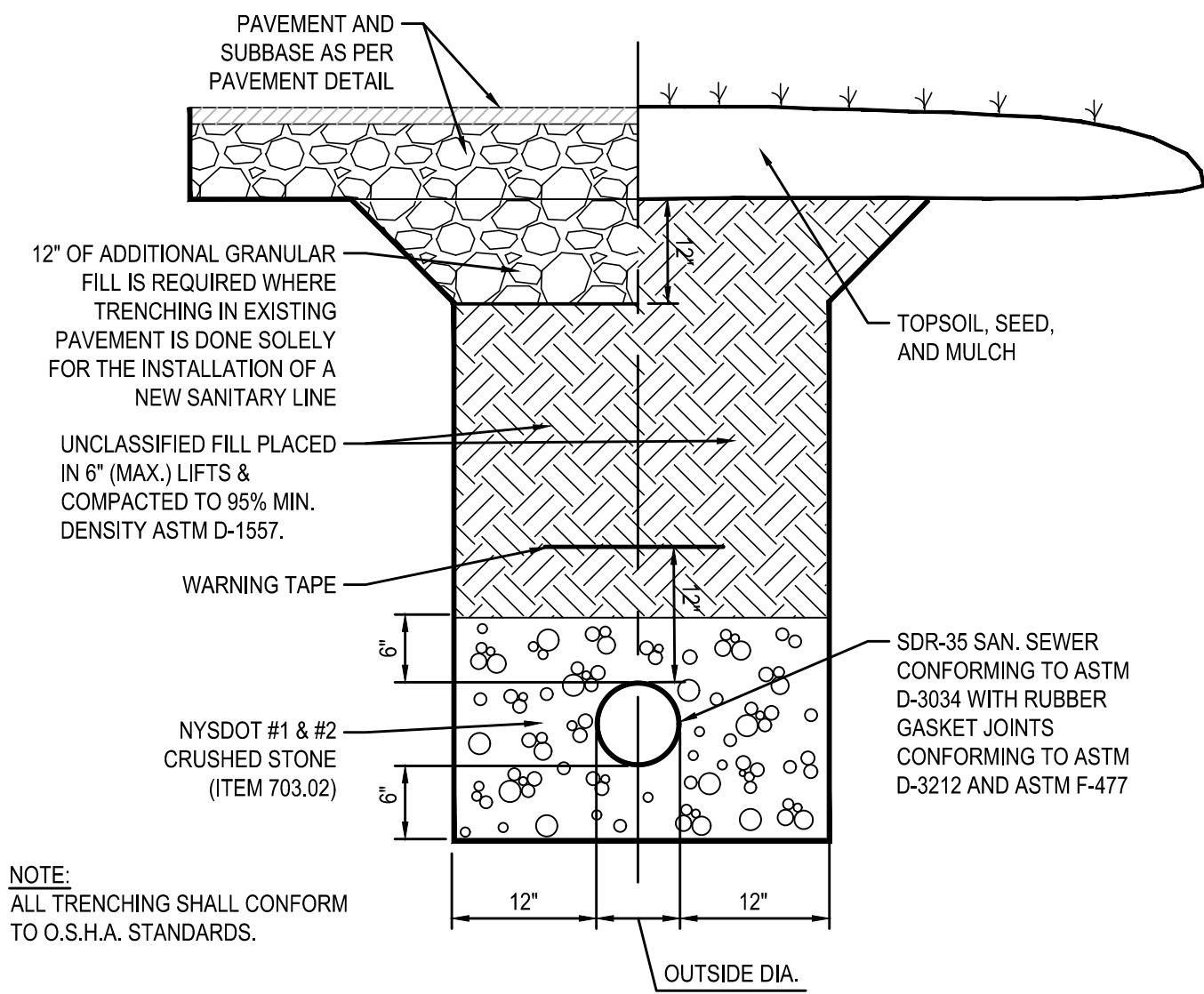
9 CONCRETE PAVER DETAIL
SCALE: N.T.S.



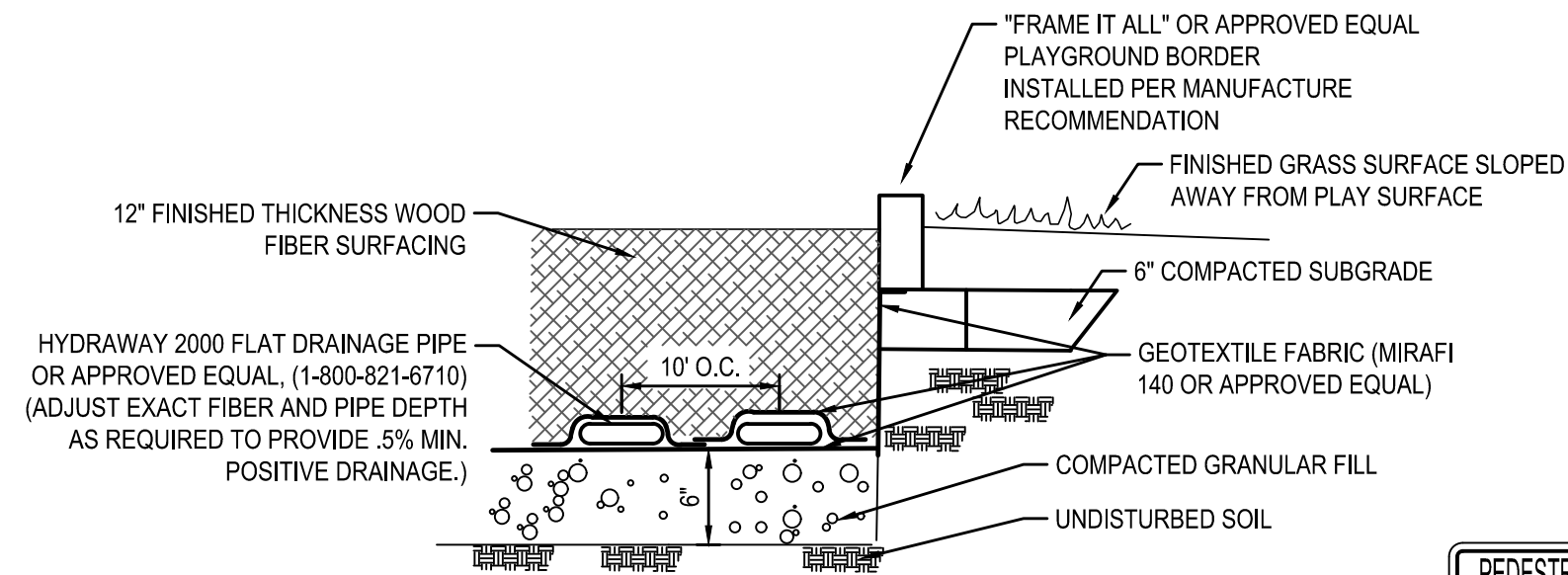
8 SANITARY CLEANOUT DETAIL
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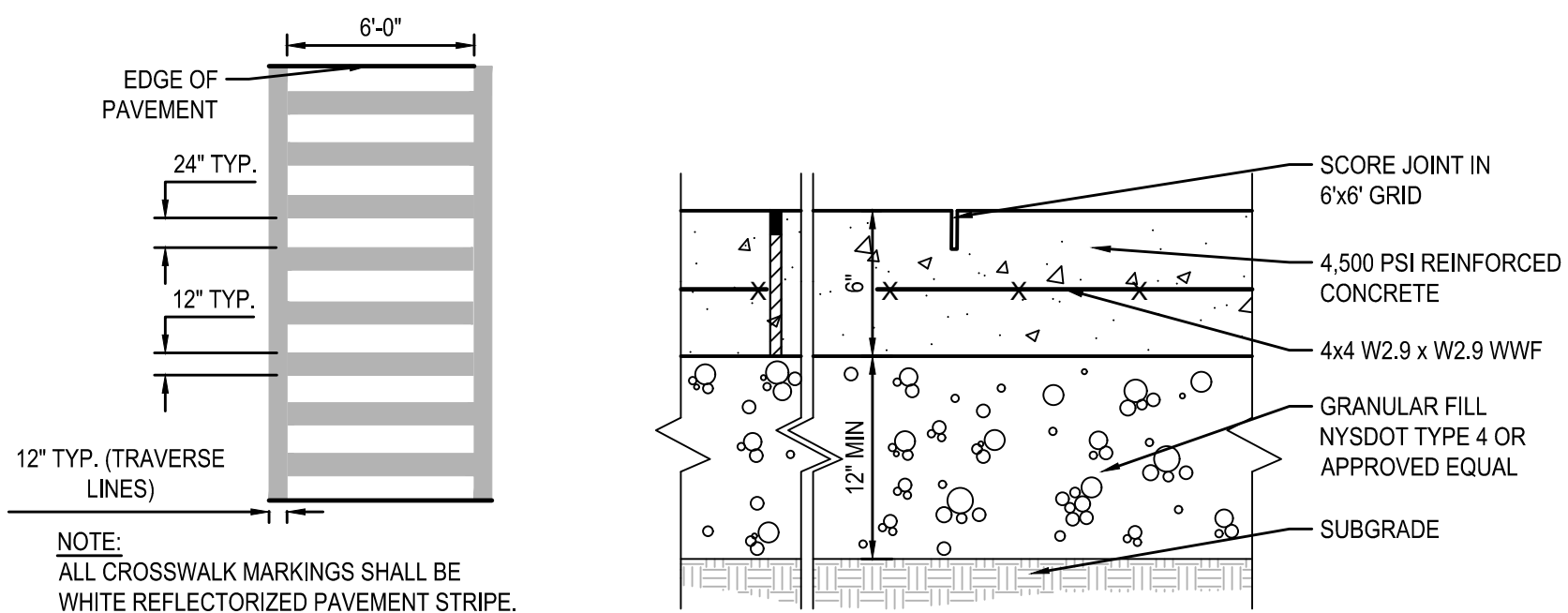
7 WATERMAIN TRENCH SECTION
SCALE: N.T.S.



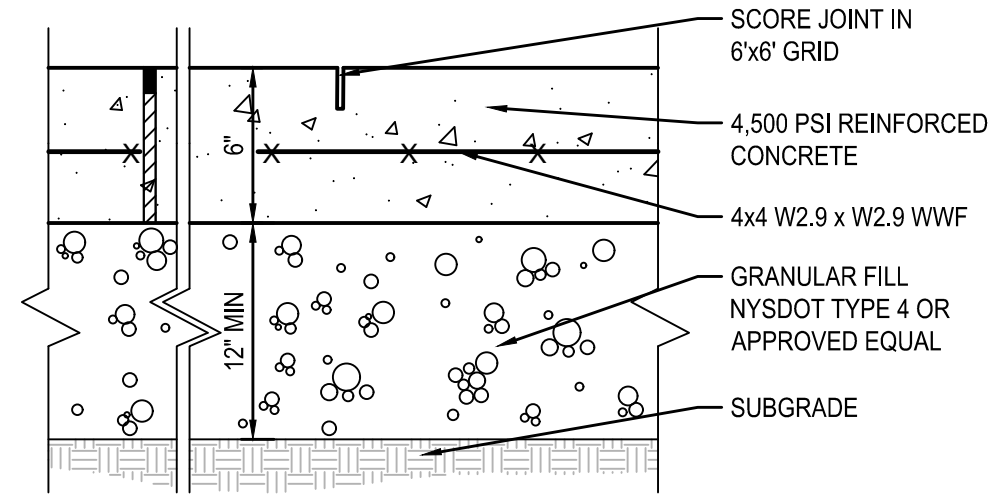
6 TYPICAL SANITARY SEWER TRENCH DETAIL
SCALE: N.T.S.



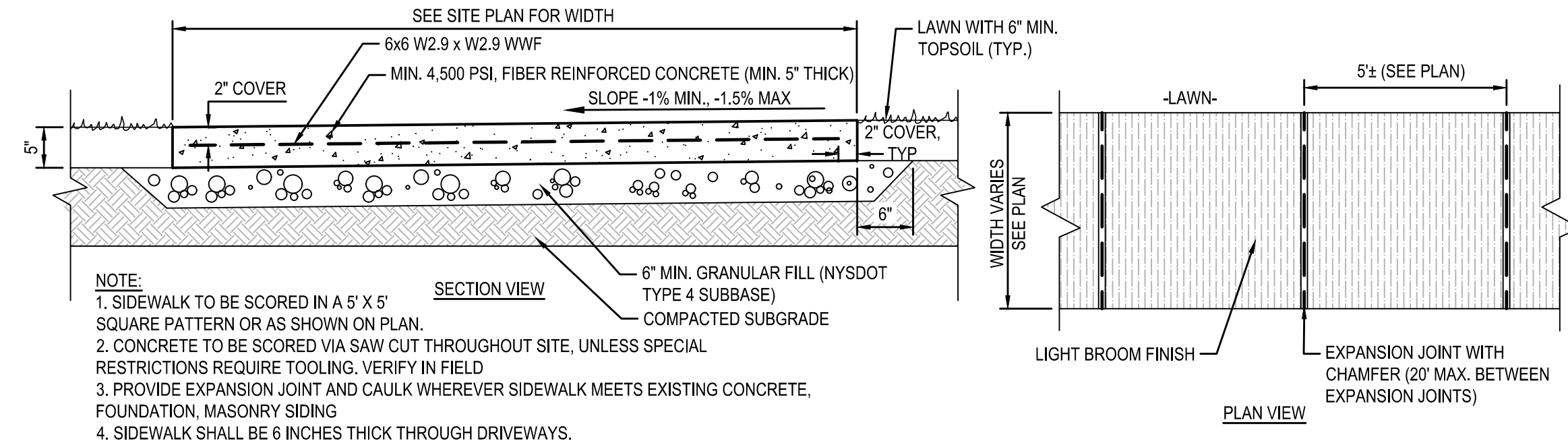
5 ENGINEERED WOOD FIBER PLAYGROUND SURFACING DETAIL
SCALE: N.T.S.



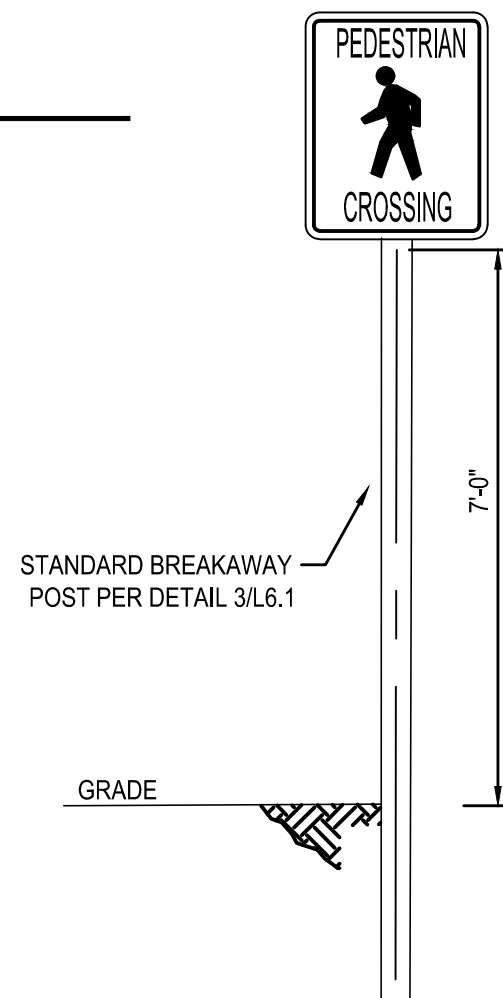
4 TYPICAL CROSSWALK STRIPING DETAIL
SCALE: N.T.S.



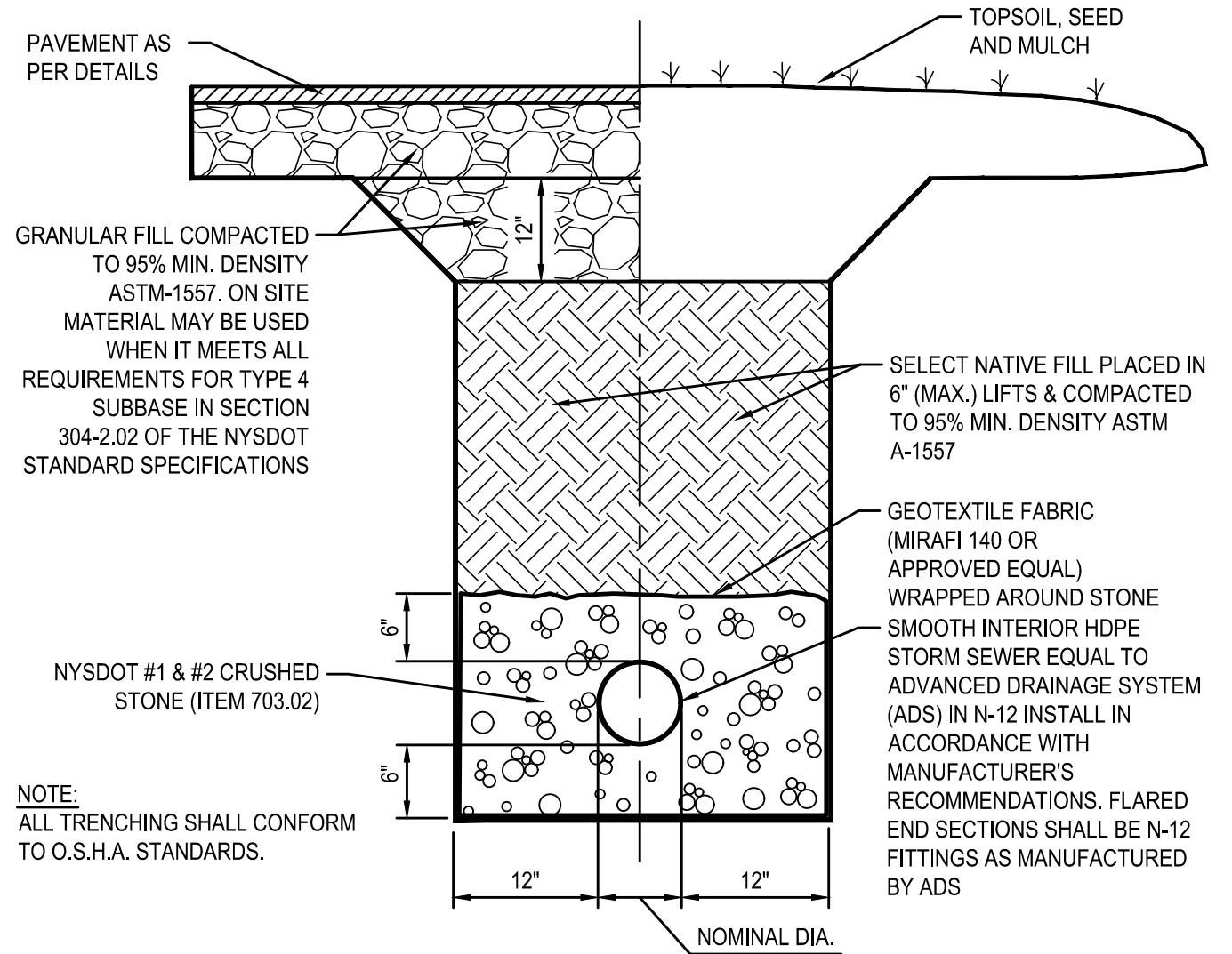
3 CONCRETE PAD DETAIL
SCALE: N.T.S.



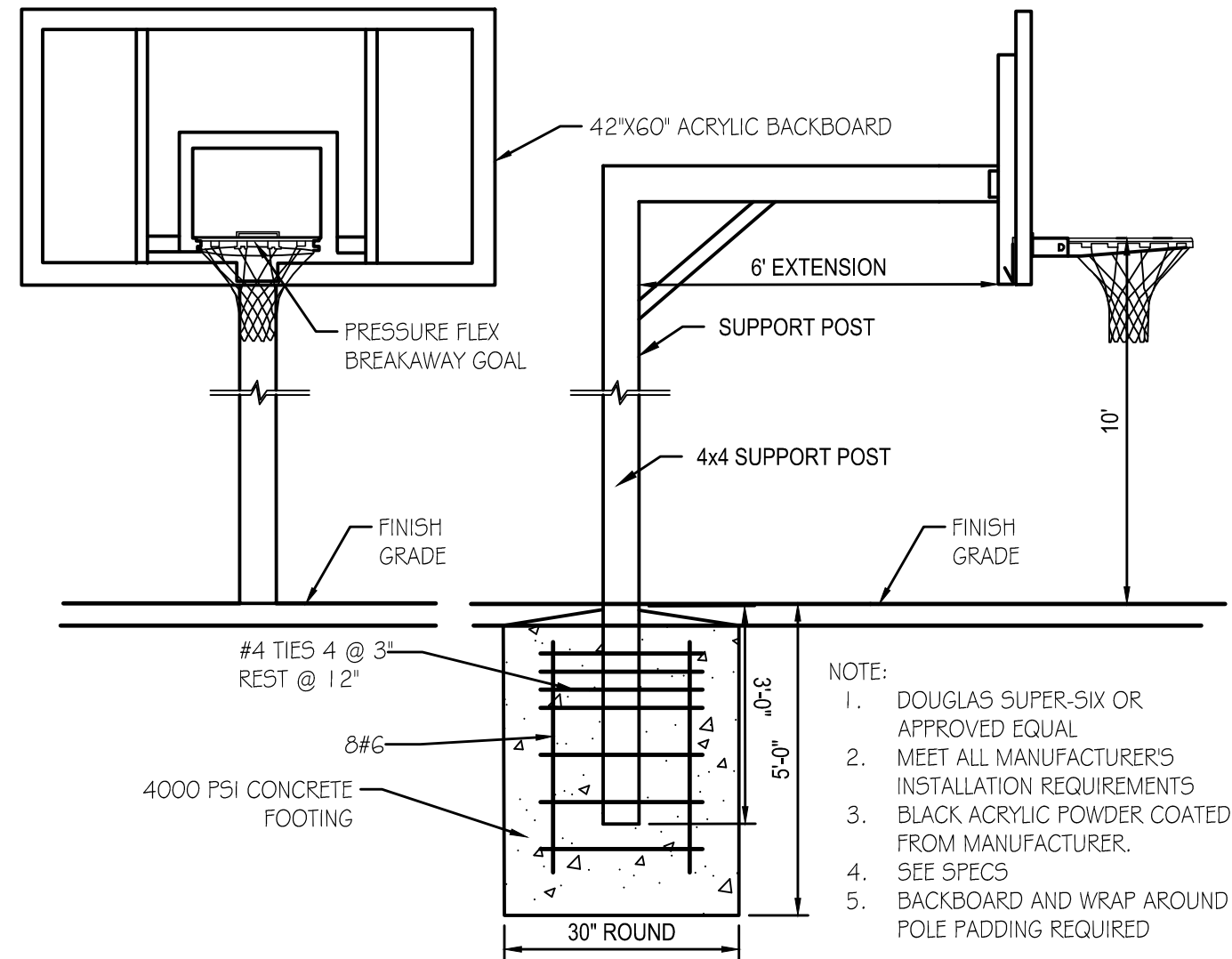
2 CONCRETE SIDEWALK DETAIL
SCALE: N.T.S.



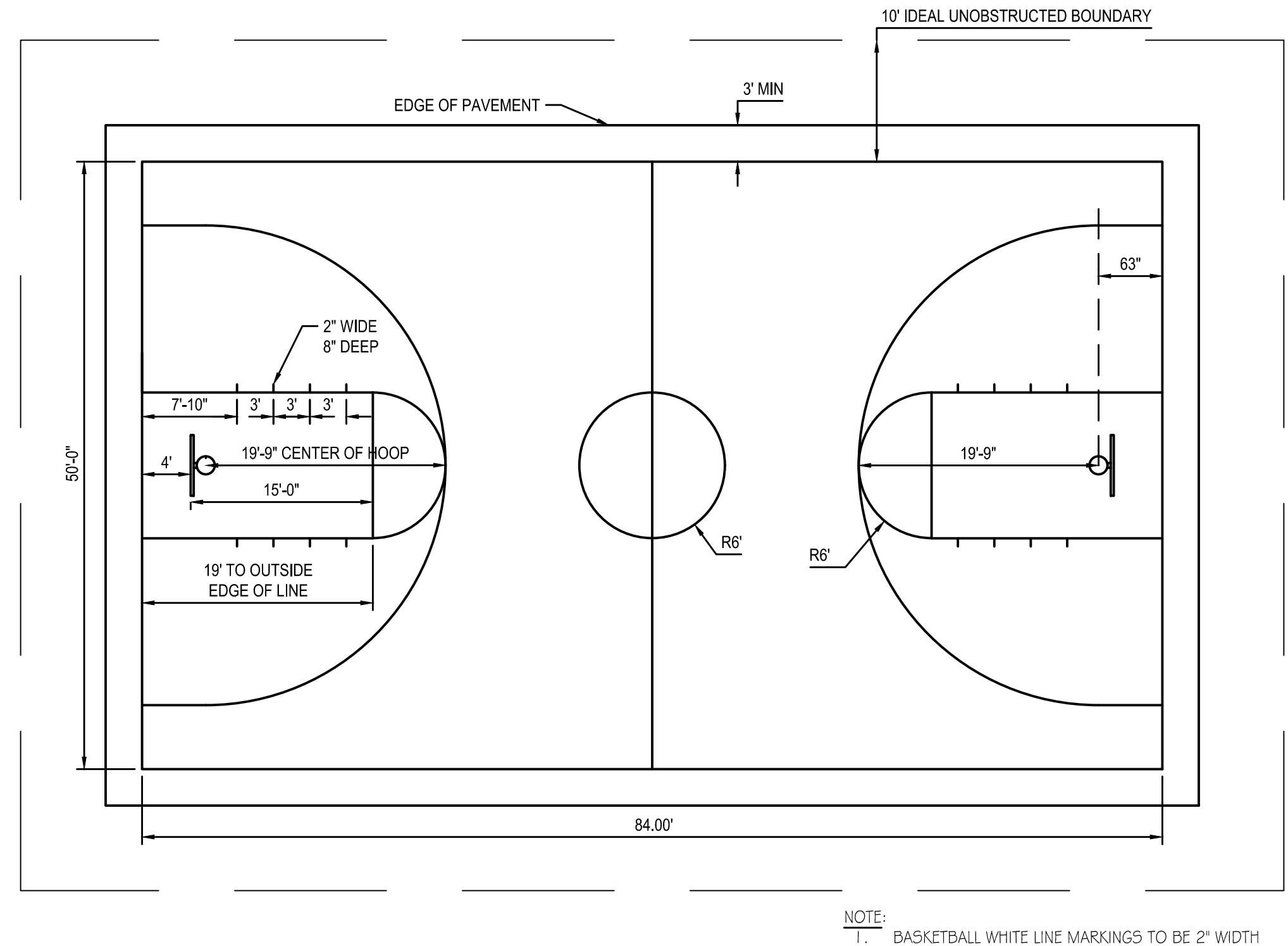
1 PEDESTRIAN CROSSING SIGN
SCALE: N.T.S.



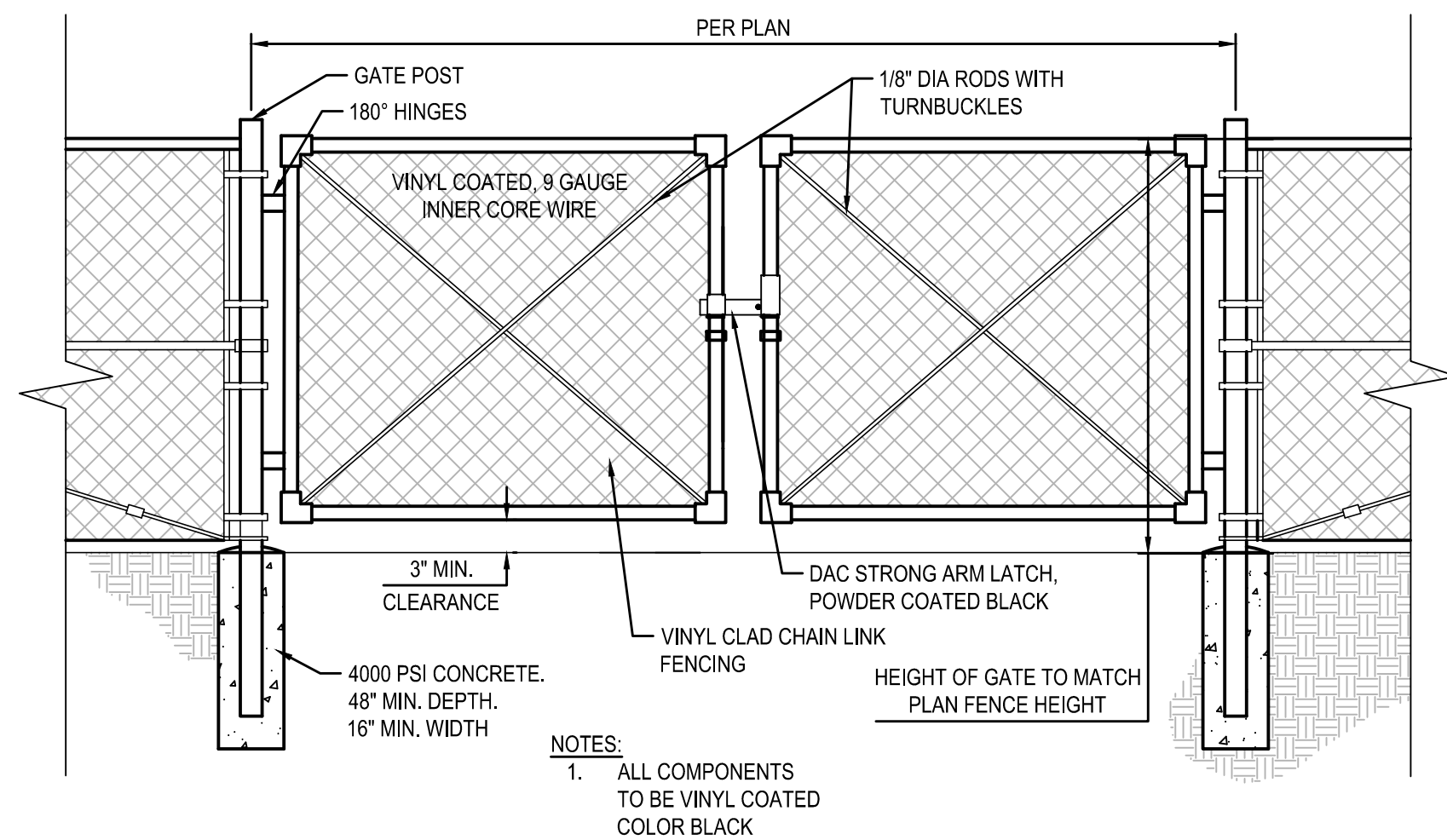
5 TYPICAL STORM SEWER DETAILS
SCALE: N.T.S.



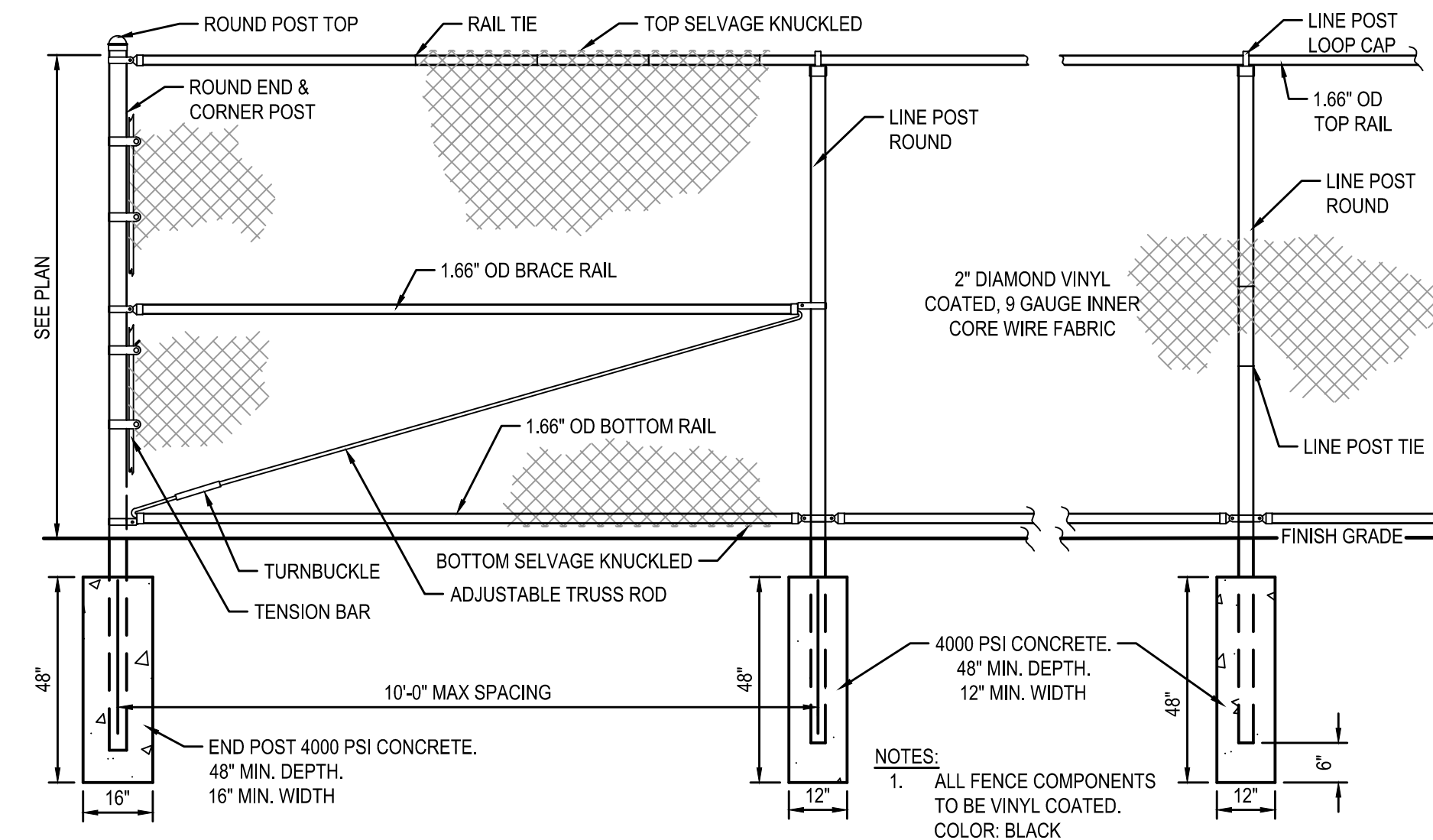
4 BASKETBALL HOOP (GOOSNECK) DETAIL
SCALE: N.T.S.



3 BASKETBALL STRIPING LAYOUT
SCALE: 1" = 10'



2 DOUBLE SWING GATE WITH STRONG ARM LATCH DETAIL
SCALE: N.T.S.



1 CHAIN LINK FENCE DETAIL
SCALE: N.T.S.

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DATE: 02/2023
PHASE: ISSUED FOR BID

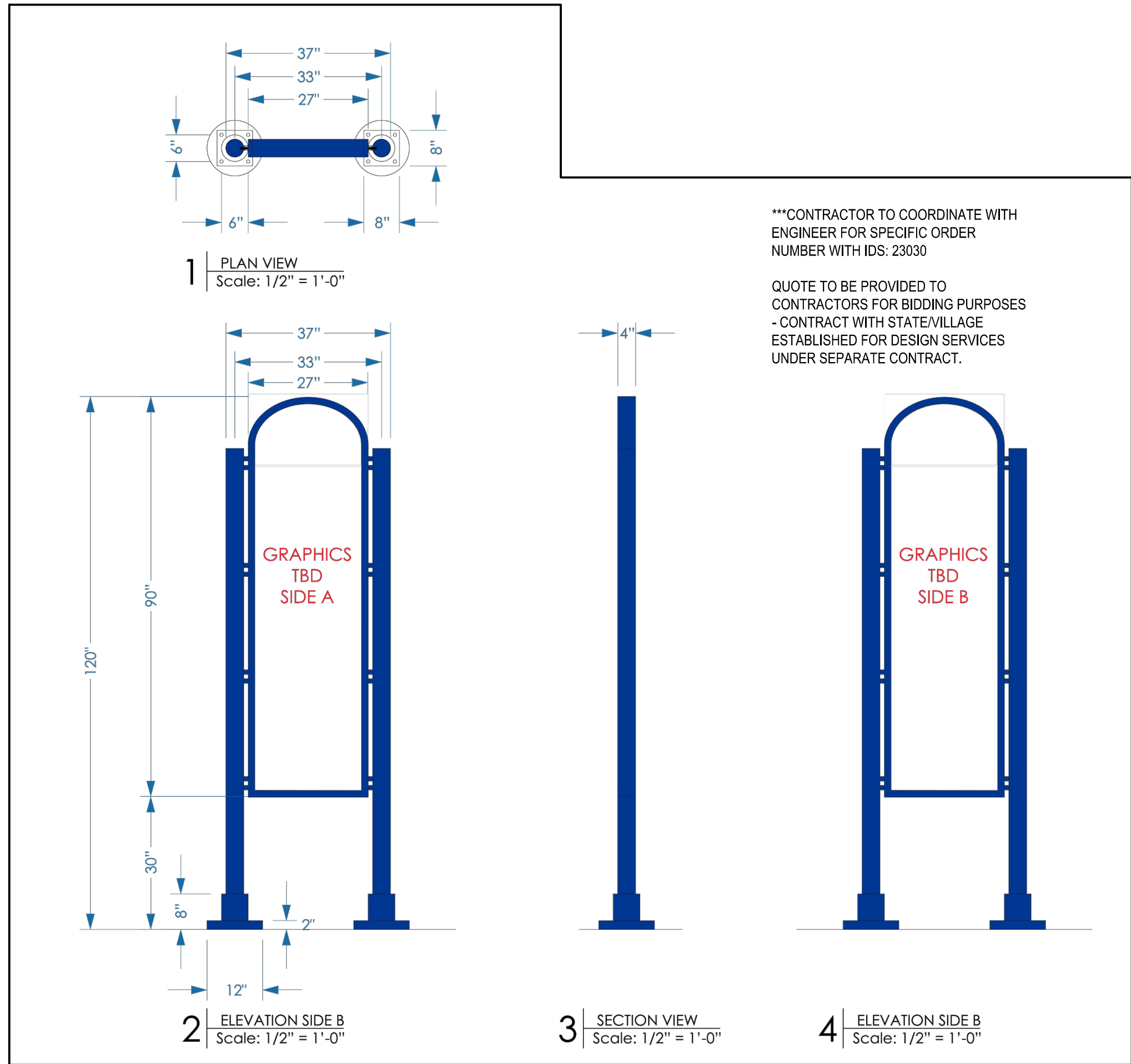
#	DATE	DESCRIPTION OF REVISION

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.

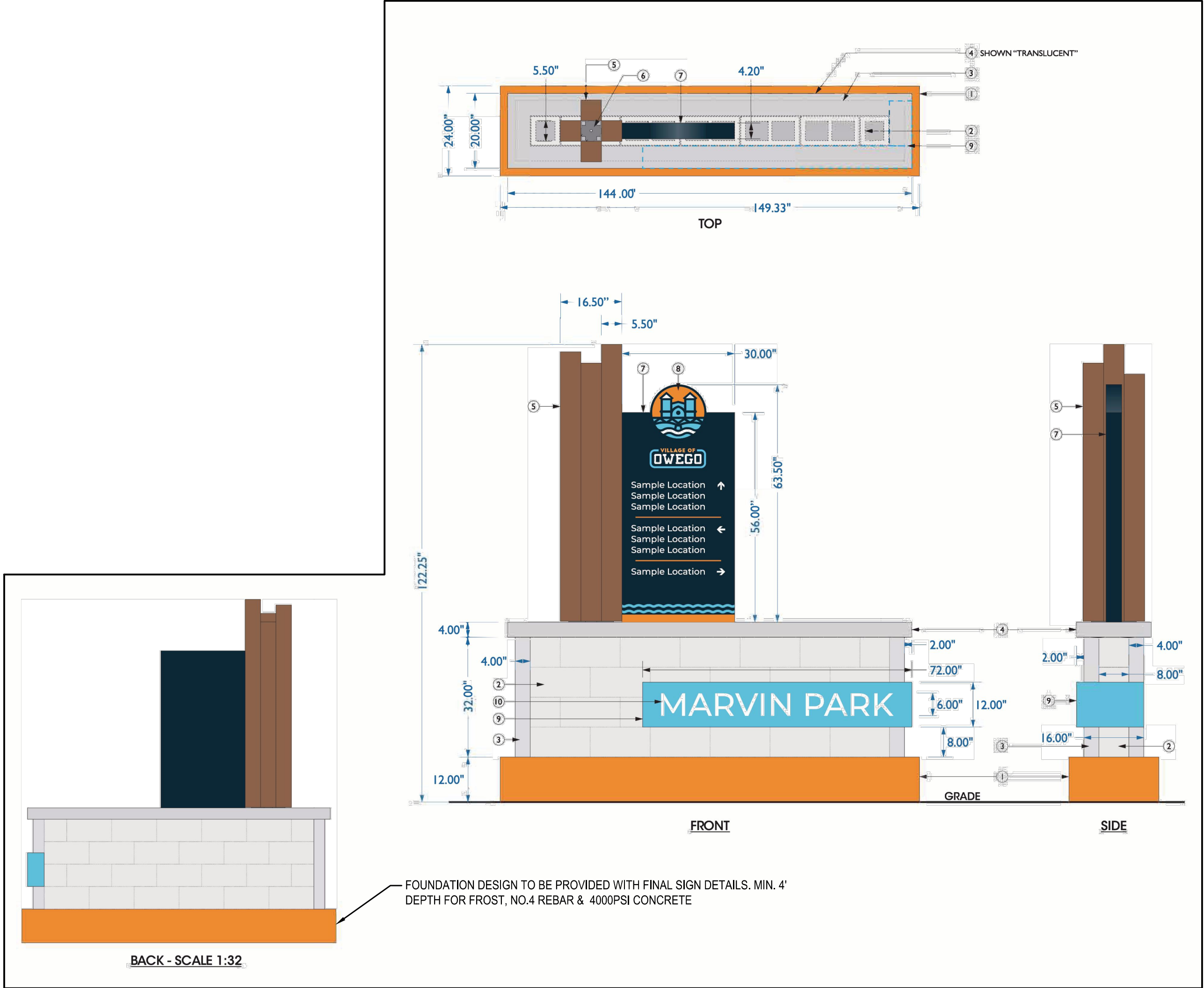
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 807 - 398 - 1000 ROCHESTER, NY 895 - 327 - 7850
TOWN OF OWEGO, NY 807 - 398 - 1000 ROCHESTER, NY 895 - 327 - 7850
TOWNSHIP OF OWEGO, NY 807 - 398 - 1000 ROCHESTER, NY 895 - 327 - 7850
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC22203131484-1

SITE DETAILS
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L6.3
PROJECT NO: 2550.011

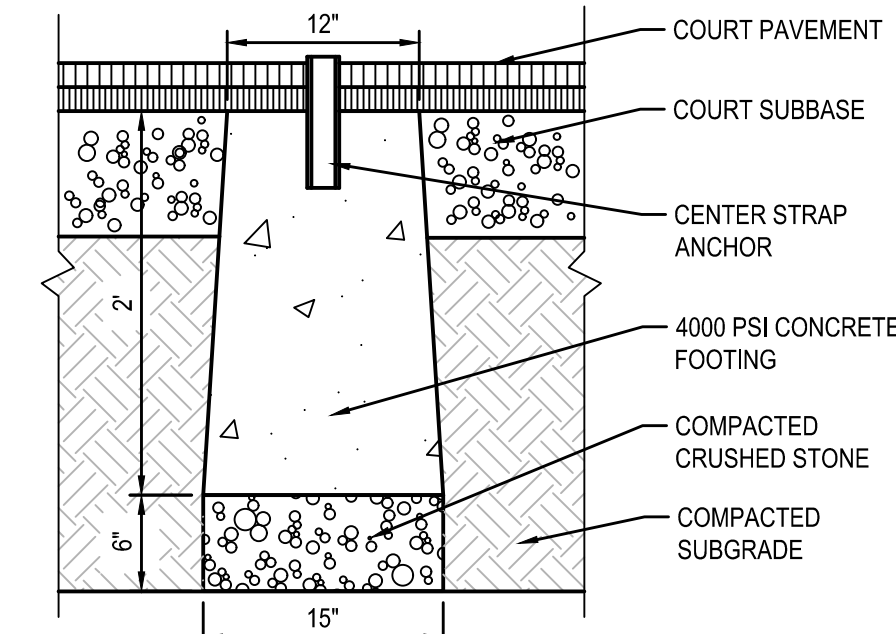


6 IDS GATEWAY SIGN
SCALE: 1" = 20'

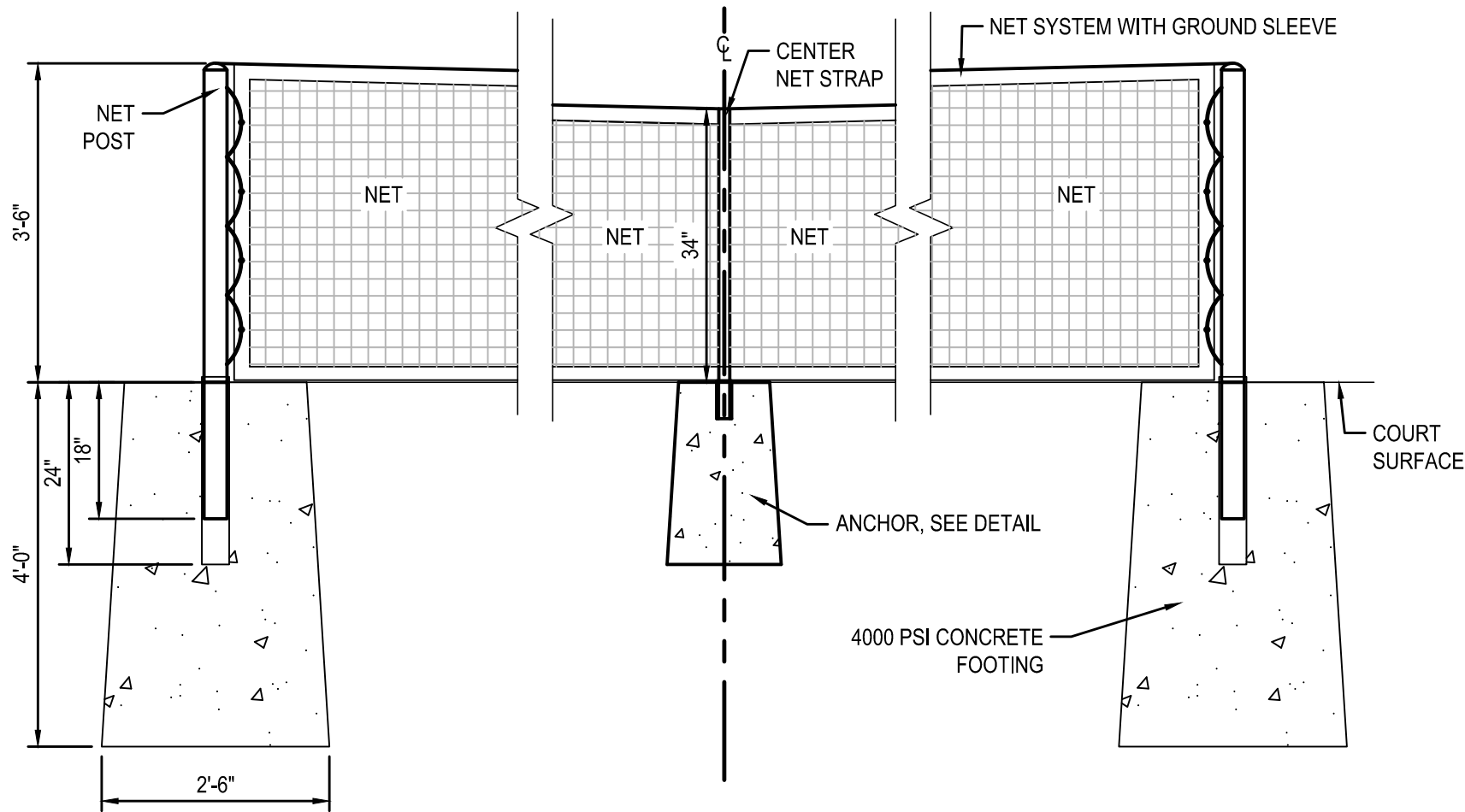


5 IDS GATEWAY SIGN
SCALE: 1" = 20'

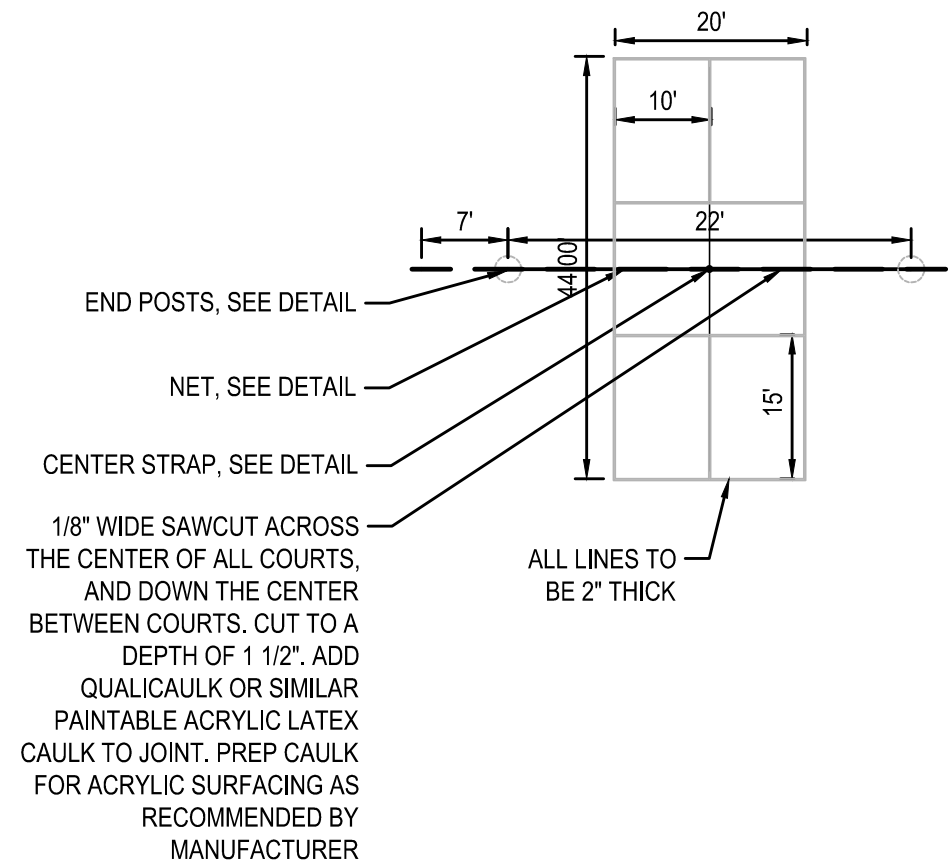
4 RESERVED
SCALE: N.T.S.



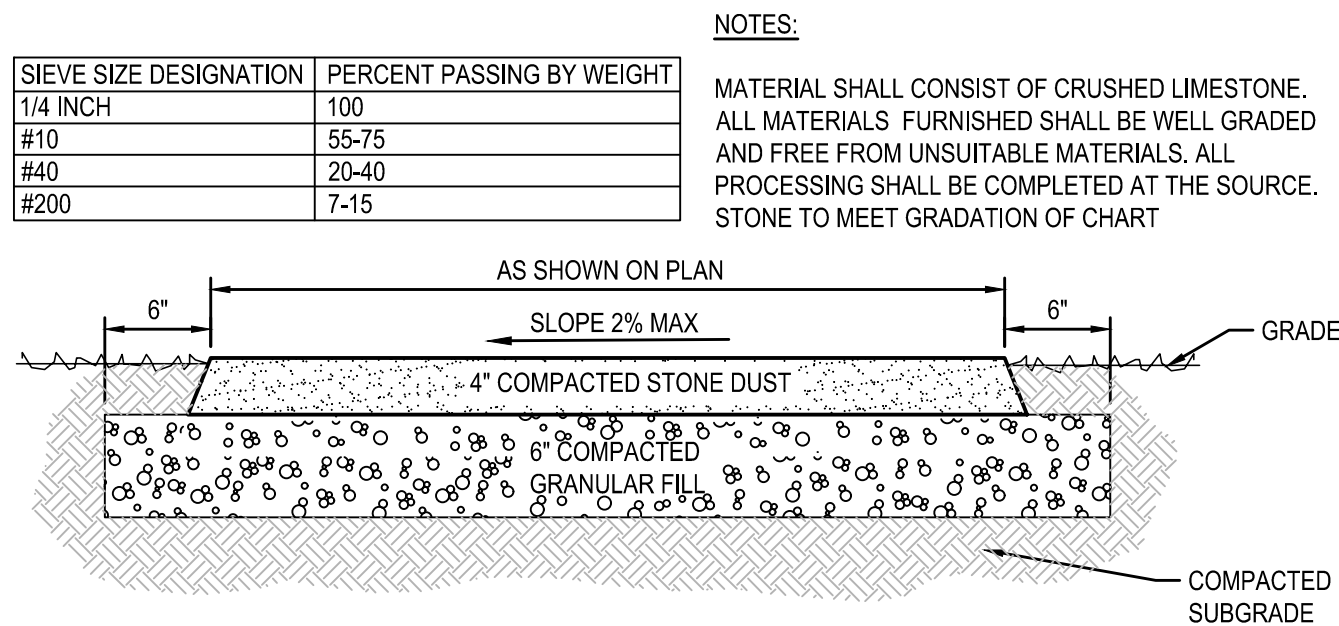
3 NET ANCHOR STRAP DETAIL
SCALE: N.T.S.



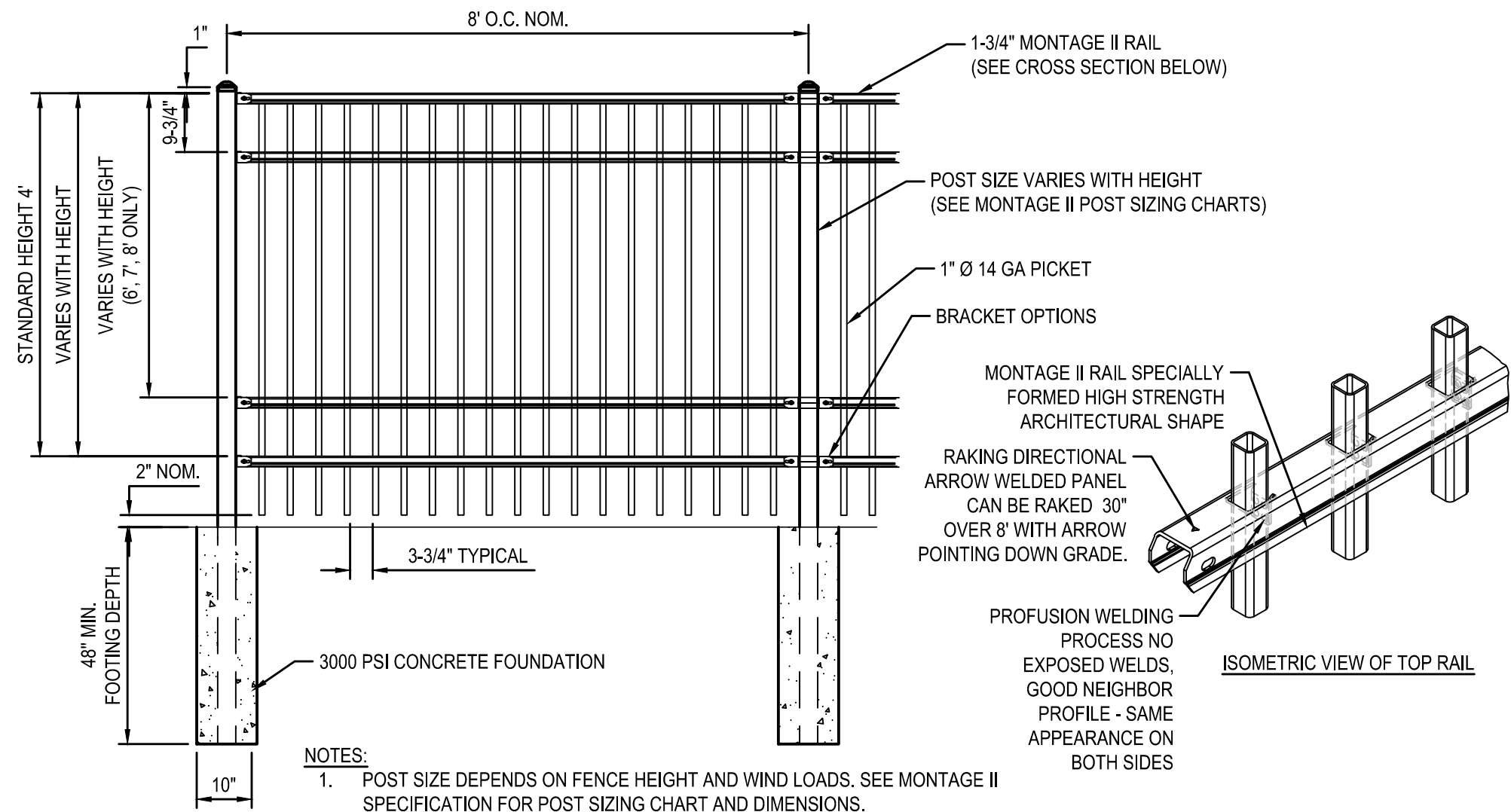
2 PICKLE BALL NET DETAIL
SCALE: N.T.S.



1 PICKLE BALL LAYOUT
SCALE: 1" = 20'



2 STONE DUST SURFACING DETAIL
SCALE: N.T.S.



1 ORNAMENTAL FENCE DETAILS
SCALE: N.T.S.

EROSION & SEDIMENT POLLUTION CONTROL GUIDELINES:

1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING EROSION AND SEDIMENT CONTROL TO PROTECT DOWNSTREAM WATER BODIES.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION CONTROL AND MAINTENANCE OF SOIL EROSION AND SEDIMENT CONTROL FACILITIES TO ENSURE PROPER FUNCTIONING OF SAID FACILITIES (DURING CONSTRUCTION).
3.

AFTER THE PROJECT HAS BEEN COMPLETED, THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR ENSURING THAT ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR REPLACED BY PERMANENT CONTROLS.
4.

ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED FOR MORE THAN FIVE (5) DAYS, AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, WILL IMMEDIATELY RECEIVE A TEMPORARY SEEDING. IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER, THE DISTURBED AREAS WILL BE MULCHED WITH STRAW OR EQUIVALENT MATERIAL, AT A RATE OF 2.5 – 3.0 TONS PER ACRE, ACCORDING TO STATE STANDARDS.
5.

PERMANENT VEGETATION TO BE SEEDED OR SODDED ON ALL EXPOSED AREAS WITHIN FIVE (5) DAYS AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE SEED BED PRIOR TO PERMANENT SEEDING.
6.

EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES AND PRACTICES, UTILIZED IN THE CONSTRUCTION OF THE PROJECT, SHALL BE CONSISTENT WITH THE LATEST VERSIONS OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL. NEW YORK STATE STORMWATER MANAGEMENT DESIGN MANUAL AND THE NEW YORK STATE SPDES GENERAL PERMIT FOR STORMWATER DISCHARGES.
7.

NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED, AS FEASIBLE PRIOR TO AND DURING CONSTRUCTION.
8.

CUT AND FILL SLOPES SHALL BE BROUGHT TO FINAL PROPOSED GRADES AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCES, AND SEEDED AND MULCHED IMMEDIATELY.
9.

EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES (SILT SOCK, INLET PROTECTION, STABILIZED CONSTRUCTION ENTRANCES AND ALL OTHER ACCEPTABLE FACILITIES) SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL COMPLETE SITE STABILIZATION.
10.

HEAVY CONSTRUCTION EQUIPMENT SHALL BE KEPT AS CLOSE TO THE WORK AREA AS PRACTICAL TO MINIMIZE DISTURBANCE OF SOIL ALREADY STABILIZED OR UNDISTURBED. ANY HAZARDOUS MATERIALS THAT LEAK ONTO THE GROUND SHALL BE PROPERLY CLEANED AND DISPOSED PER NYSDEC AND EPA STANDARDS.
11.

THE CONTRACTOR IS IN CHARGE OF IMPLEMENTING POLLUTION PREVENTION OF WASTE AND HAZARDOUS MATERIALS. THE CONTRACTOR SHALL HAVE A DESIGNATED REPRESENTATIVE ASSIGNED TO IMPLEMENTING THE SPILL PREVENTION AVOIDANCE AND RESPONSE PLAN. THE CONTRACTOR SHALL MAINTAIN A SPILL PREVENTION CONTROL AND COUNTER MEASURES PROGRAM AND HAVE APPROPRIATE MATERIALS TO CONTROL THE SPILLS ONSITE AT ALL TIMES.
12.

TOPSOIL AND OTHER SOIL REMOVED DURING CONSTRUCTION SHALL BE STOCKPILED IN A SUITABLE LOCATION CLEAR FROM ANY STORMWATER DRAINAGE COURSES. STOCKPILES SHALL HAVE EITHER A SILT SOCK OR SILT FENCE AROUND THE PERIMETER AT ALL TIMES. STOCKPILES WHICH ARE INACTIVE FOR MORE THAN 5 DAYS SHALL BE SEEDDED.
13.

VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR SUFFICIENT GROWTH AND PROGRESS. AREAS NOT RESPONDING SHALL BE PROMPTLY RESEDED AND REMULCHED AS SOON AS POSSIBLE. AREAS SHOWING SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEDED, AND REMULCHED AS SOON AS POSSIBLE. SOD OR EROSION CONTROL FABRIC SHALL BE UTILIZED WHERE ADEQUATE STABILIZATION IS NOT OCCURRING
14.

ALL PERIMETER SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED BEFORE BEGINNING EARTH MOVING ACTIVITIES, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
15.

A STABILIZED CONSTRUCTION ENTRANCE PAD OF 1.5" TO 2" CLEAN STONE WILL BE PLACED AT ALL CONSTRUCTION DRIVEWAYS BEFORE INITIAL SITE DISTURBANCE. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED AND CLEANED AS NEEDED OR AS SPECIFIED BY THE INSPECTOR.
16.

THE APPLICATION OF TOPSOIL, LIMING, FERTILIZING, SEEDING, AND MULCHING FOR DISTURBED AREAS SHALL BE CONSISTENT WITH THE STANDARD GENERAL PRACTICES FOR CONSTRUCTION.
17.

IMMEDIATELY FOLLOWING INITIAL DISTURBANCES OF ROUGH GRADING, ALL CRITICAL AREAS SUBJECT TO EROSION (I.E., STEEP SLOPES AND ROADWAY EMBANKMENTS, ETC.) WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH OR A SUITABLE EQUIVALENT, AT A RATE OF 2.5 – 3.0 TONS PER ACRE.
18.

AT THE TIME WHEN SITE PREPARATION FOR PERMANENT VEGETATIVE STABILIZATION IS TO BE ESTABLISHED, ANY SOIL THAT WILL NOT PROVIDE A SUITABLE ENVIRONMENT TO SUPPORT ADEQUATE VEGETATIVE GROUND COVER SHALL BE REMOVED OR TREATED IN SUCH A WAY THAT WILL PERMANENTLY ADJUST THE SOIL CONDITIONS AND RENDER IT SUITABLE FOR VEGETATIVE GROUND COVER.
19.

IF THE REMOVAL OR TREATMENT OF THE SOIL WILL NOT PROVIDE SUITABLE CONDITIONS, NON--VEGETATIVE MEANS OF PERMANENT GROUND STABILIZATION WILL HAVE TO BE EMPLOYED.
20.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL CONTRIBUTING AREAS HAVE BEEN PERMANENTLY STABILIZED.

MAINTENANCE & REPAIR OF EROSION & SEDIMENT FACILITIES

1.

PROPER MAINTENANCE AND REPAIR OF EROSION AND SEDIMENT CONTROL FACILITIES ARE NECESSARY TO THE EFFECTIVENESS OF THE EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES.
2.

DISTURBED GROUND SURFACES SHALL BE SPRINKLED WITH WATER AND/OR CARBON CHLORIDE, AS NEEDED, TO LIMIT THE FORMATION AND MIGRATION OF AIRBORNE DUST.
3.

OPERATIONAL MEASURES SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT THE SPILLS OF FUELS, LUBRICANTS OR OTHER HAZARDOUS MATERIALS. IF A SPILL OCCURS, IT SHALL BE CONTROLLED IMMEDIATELY TO PREVENT ITS ENTRY INTO OFF--SITE AREAS INCLUDING ADJACENT STORM SEWER.
4.

ANY TEMPORARY EROSION CONTROL FACILITY SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED WITHIN THE RESPECTIVE TRIBUTARY DRAINAGE AREA.
5.

ANY DEBRIS ACCUMULATED IN EROSION AND SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND PROPERLY DISPOSED OF. THESE FACILITIES SHALL BE CHECKED DAILY AND AFTER RAINFALL EVENTS, AND REALIGNED AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN IT REACHES THE FOLLOWING DEPTHS:

SILT SOCK – 1/2 HEIGHT

CHECK DAM – 1/2 HEIGHT

NOTE: DISTURBED AREAS SHALL BE CONSIDERED AS PERMANENTLY STABILIZED WHEN A MINIMUM COVER OF 80% HAS BEEN ESTABLISHED.
6.

ANY EROSION AND SEDIMENT CONTROL DEVICES THAT ARE NOTED AS DEFICIENT BY A SHPPP INSPECTOR, DESIGN ENGINEER, OR NYSDEC STAFF SHALL BE REPAIRED OR REPLACED WITHIN 24 HOURS OF RECEIVING NOTICE.

SOIL RESTORATION REQUIREMENTS

1.

AERATION AND THE APPLICATION OF 6 INCHES OF TOPSOIL IS REQUIRED IN ANY PROPOSED LAWN AREA WHERE TOPSOIL HAS BEEN DISTURBED.
2.

FULL SOIL RESTORATION IS REQUIRED IN HEAVY TRAFFIC AREAS ON SITE, ESPECIALLY BETWEEN 5 AND 25 FEET AROUND THE PROPOSED BUILDING, BUT NOT WITHIN A 5 FOOT PERIMETER AROUND FOUNDATION WALLS. RESTORATION IS ALSO REQUIRED ON REDEVELOPMENT PROJECTS IN AREAS WHERE EXISTING IMPERVIOUS AREA WILL BE CONVERTED TO PERVIOUS AREA.
3.

FULL SOIL RESTORATION REQUIREMENTS ARE AS FOLLOWS:

–

SOIL RESTORATION IS TO TAKE PLACE DURING PERIODS OF RELATIVELY LOW TO MODERATE SUBSOIL MOISTURE, FOLLOWING ROUGH GRADING OF THE DISTURBED SUBSOILS

–

APPLY 3 INCHES OF COMPOST OVER SUBSOIL

–

TILL COMPOST INTO SUBSOIL TO A DEPTH OF AT LEAST 12 INCHES USING A CAT--MOUNTED RIPPER, TRACTOR--MOUNTED DISC, OR TILLER, MIXING, AND CIRCULATING AIR AND COMPOST INTO SUBSOILS

–

ROCK--PICK UNTIL UPLIFTED STONE/ROCK MATERIALS OF FOUR INCHES AND LARGER SIZE ARE CLEANED OFF THE SITE

–

APPLY TOPSOIL TO A DEPTH OF 6 INCHES

–

VEGETATE AS SPECIFIED ON PLANS
4.

AT THE END OF THE PROJECT AN INSPECTOR SHOULD BE ABLE TO PUSH A 3/8 INCH METAL BAR 12 INCHES INTO THE SOIL JUST WITH BODY WEIGHT.
5.

TILLING SHOULD NOT BE PERFORMED WITHIN THE DRIP LINE OF ANY EXISTING TREES OR OVER UTILITY INSTALLATIONS THAT ARE WITHIN 24 INCHES OF THE SURFACE.
6.

ADDITIONAL INFORMATION AND GUIDANCE MAY BE FOUND IN "DEEP--RIPPING AND DECOMPACTION" PUBLISHED BY NYSDEC DIVISION OF WATER 2008.

MULCHING AND SEEDING REQUIREMENTS

SEEDBED PREPARATION:

1.

APPLY LIMESTONE (EQUIVALENT TO 50 PERCENT (50%) CALCIUM PLUS MAGNESIUM OXIDES) AT A RATE OF 90 POUNDS PER 1,000 SQUARE FEET. APPLY FERTILIZER AT A RATE OF 600 POUNDS PER ACRE OR 14 POUNDS PER 1,000 SQUARE FEET USING 10--20--10 OR EQUIVALENT.
2.

WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF 4 INCHES WITH A DISC. SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT. THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM SEEDBED IS PREPARED.
3.

INSPECT SEEDBED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT THE SOIL COMPACT, THE AREA MUST BE RETILLED AS ABOVE

TEMPORARY REQUIREMENTS

1.

SEEDING:

a.

APPLY LAWN MIX AT A RATE (SEE SPECIFICATIONS)

b.

APPLY SEED WITH MECHANICAL SEEDER. OPTIMUM SEEDING DEPTH IS ONE INCH (EXCEPT SANDY SOILS, 2 INCHES).

c.

WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHALL BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER, OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
2.

MULCHING

a.

MULCH MATERIALS SHALL BE SMALL GRAIN STRAW AT A RATE OF 2--1/2 TO 3 TONS PER ACRE, OR 70 TO 90 POUNDS PER 1,000 SQUARE FEET. MULCH SHOULD NOT BE GROUND OR CHOPPED INTO SHORT PIECES.

b.

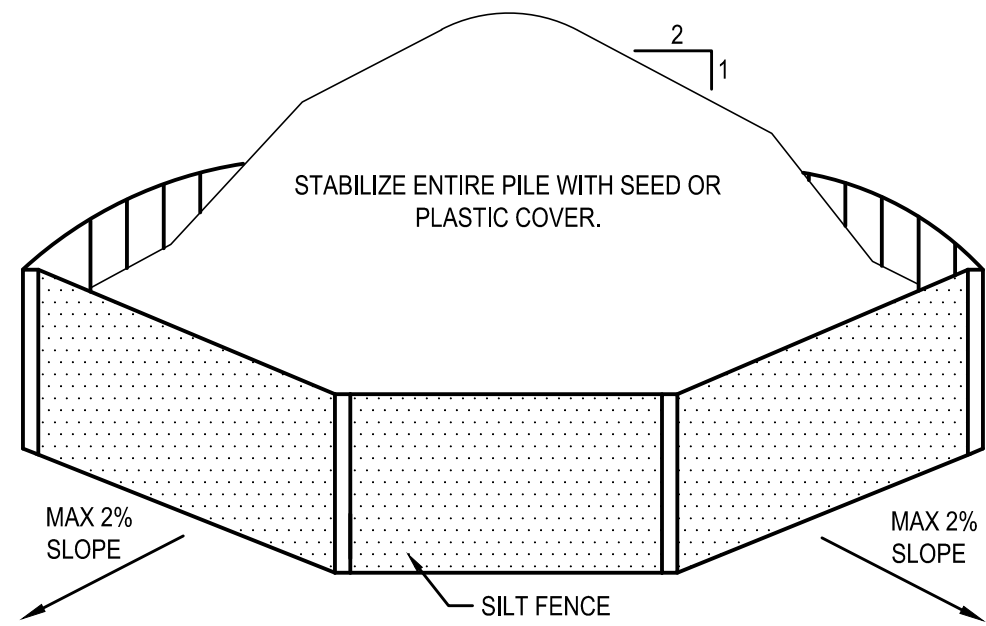
SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THAT APPROXIMATELY 75 PERCENT TO 95 PERCENT OF THE SOIL SURFACE WILL BE COVERED.

c.

MULCH ANCHORING SHALL BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. 1. MULCHING NETTINGS – STAPLE, JUTE OR COTTON NETTINGS TO THE SOIL SURFACE. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED.

PERMANENT SEEDING

PERMANENT SEEDING TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.



SOIL STOCKPILING NOTES:

1.

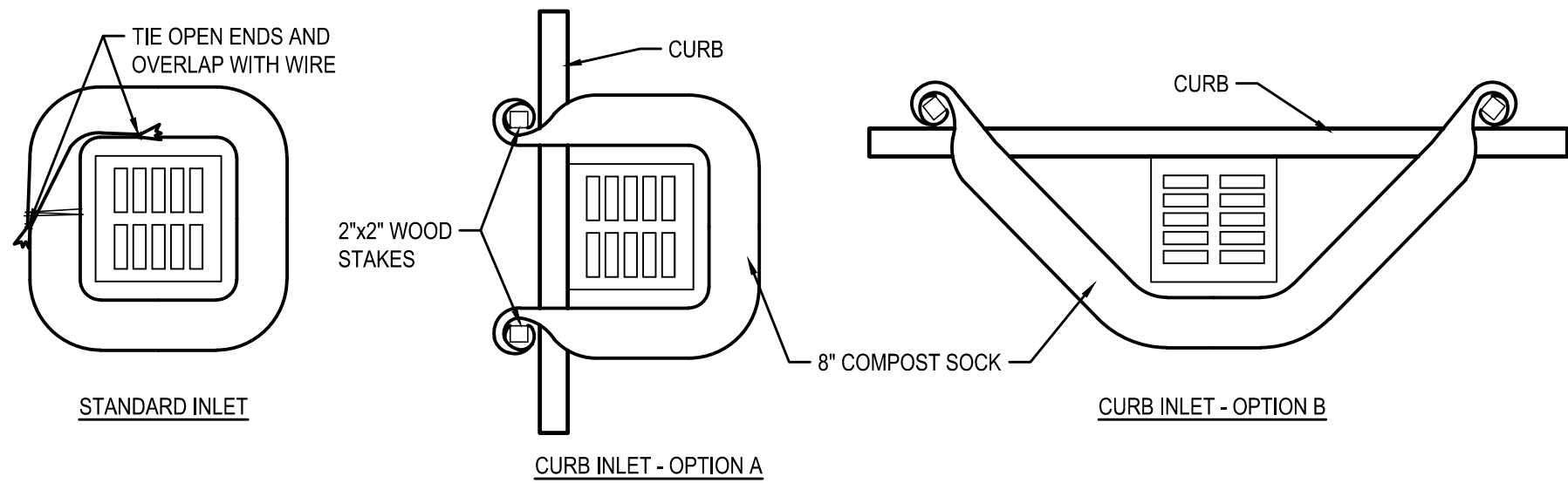
AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2.

MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3.

UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH SILT FENCING AND THEN STABILIZED WITH SEED OR SECURED IMPERVIOUS COVER.
4.

SEE SILT FENCE INSTALLATION DETAIL.

4 SOIL STOCKPILE AREA DETAIL
SCALE: N.T.S.



INSTALLATION NOTES:

1.

COMPOST SOCKS SHALL BE INSTALLED PRIOR TO ANY LAND-DISTURBING ACTIVITIES.
2.

COMPOST SOCKS SHALL BE "SILT SOCK", "FILTEREXX" OR OTHER APPROVED FILTER FABRIC SOCK
3.

COMPOST SOCKS SHALL BE FILLED WITH WOOD CHIPS OR COMPOST. SEE SPECIFICATIONS FOR APPROVED COMPOSITION OF WOOD CHIPS OR COMPOST
4.

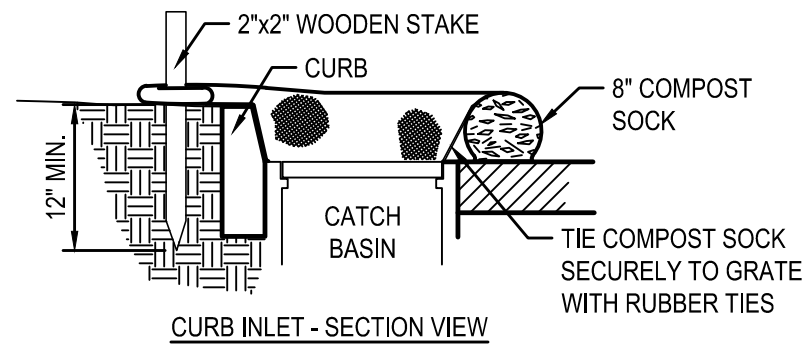
COMPOST SOCKS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5.

COMPOST SOCK SHALL BE IN CONSTANT CONTACT WITH THE GROUND SURFACE.
6.

WOOD STAKES SHALL BE USED TO SECURE THE WATTLES. 1/2" TO 5/8" REBAR IS ALSO ACCEPTABLE. BE SURE TO USE A STAKE THAT IS LONG ENOUGH TO PROTRUDE SEVERAL INCHES ABOVE THE WATTLE.
7.

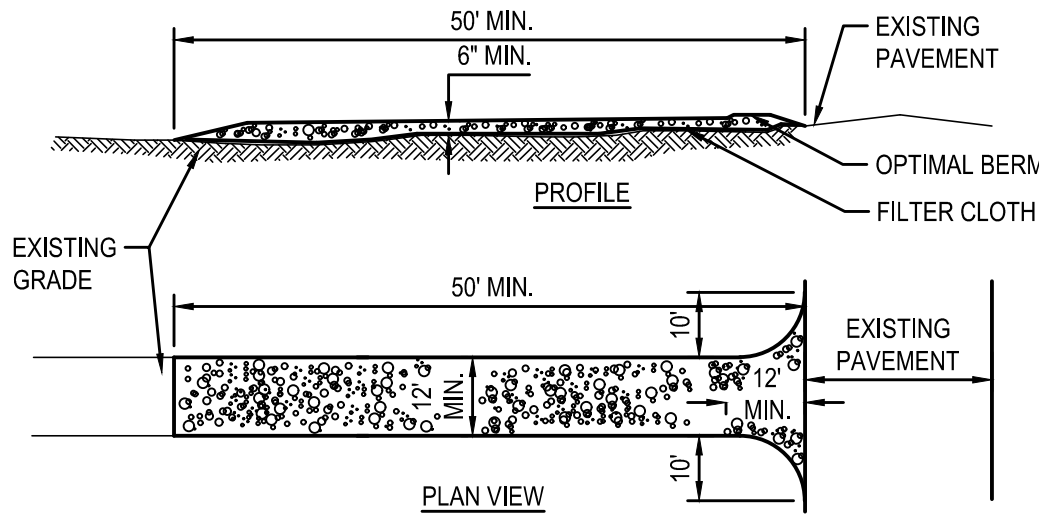
EXCESS FABRIC SHALL BE WRAPPED AROUND THE STAKES
8.

FOR INLETS NOT ON A CURB THE COMPOST SOCK SHALL BE TIED OFF AT BOTH ENDS WITH THE WIRE AND OVERLAPPED TO PROVIDE SUITABLE PROTECTION.



MAINTENANCE:
SEDIMENT ACCUMULATED BEHIND WATTLE SHALL BE REMOVED WHEN SEDIMENT HAS ACCUMULATED TO ONE-HALF THE DIAMETER OF THE SILT/COMPOST SOCK.

3 COMPOST/SILT SOCK INLET PROTECTION DETAIL
SCALE: N.T.S.



NOTES:

1.

STONE SIZE - USE 3'-4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2.

LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
3.

THICKNESS - NOT LESS THAN 6 INCHES.
4.

WIDTH - 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT THE POINTS WHERE INGRESS OR EGRESS OCCURS.
5.

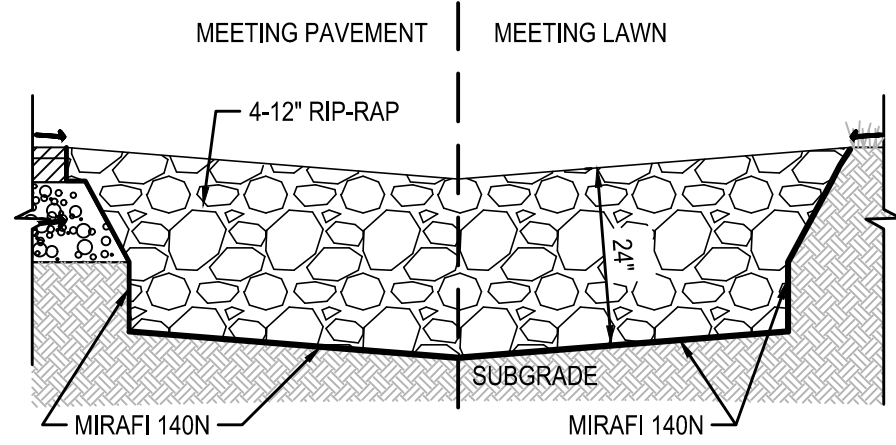
FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE RESIDENCE LOT.
6.

SURFACE WATER - ALL SURFACE WATER FLOWING OR DIRECTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7.

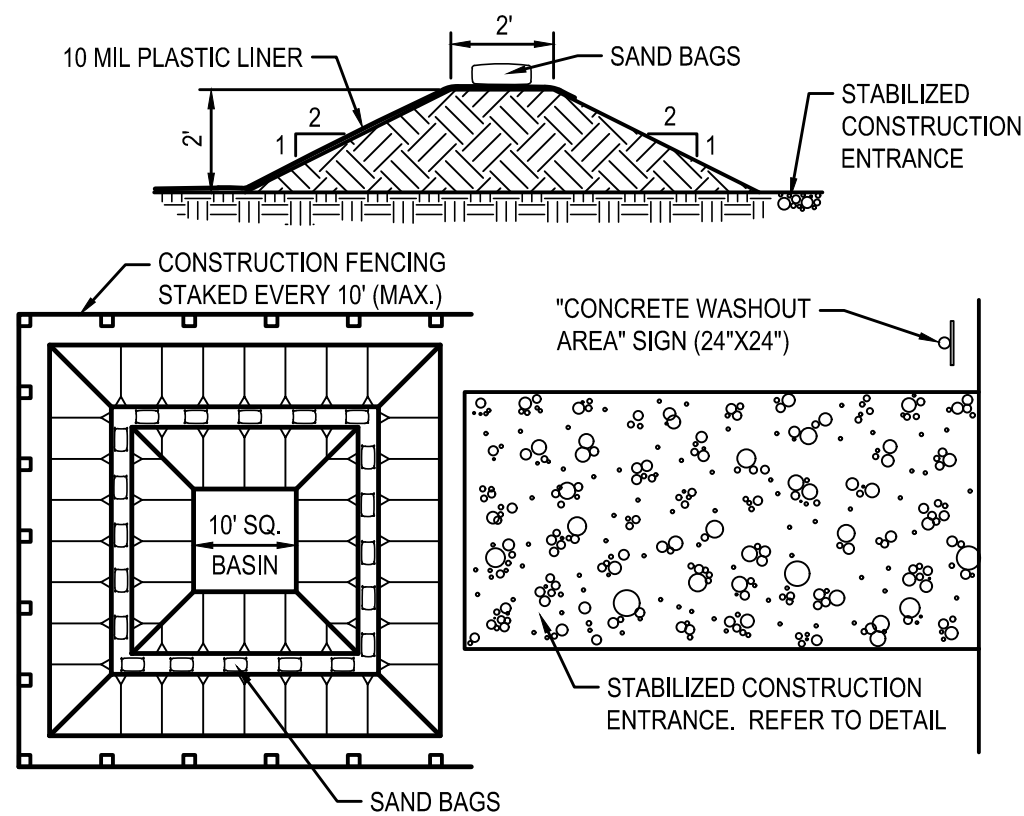
MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANEST OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8.

WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9.

PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



5 RIP-RAP CHANNEL DETAIL
SCALE: N.T.S.



NOTES:

1.

ALL TOOLS AND EQUIPMENT UTILIZED DURING ANY CONCRETE CONSTRUCTION, INCLUDING HAND TOOLS, WHEELBARROWS, TRUCKS, CHUTES SHALL UTILIZE THE CONCRETE WASHOUT AREA.
2.

WASHOUT AREA TO BE MAINTAINED AND CLEANED OUT PERIODICALLY TO PREVENT WASHWATER AND/OR SOLIDS FROM EXITING THE WASHOUT TRAP.

1 CONCRETE WASH OUT DETAIL
SCALE: N.T.S.

DRAWN BY: JCP
CHECKED BY: JCP
DATE: 02/2023
PHASE: ISSUED FOR BID

DESCRIPTION OF REVISION:
DATE:
#

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.

2023

HUNT ENGINEERS | ARCHITECTS | SURVEYORS

HORSEHEADS, NY 607 - 396 - 1000 ROCHESTER, NY 695 - 327 - 7950
TOWNHALL, NY 510 - 235 - 7666
TOWNSHIP, NY 510 - 235 - 7666
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

EROSION AND SEDIMENT CONTROL DETAILS

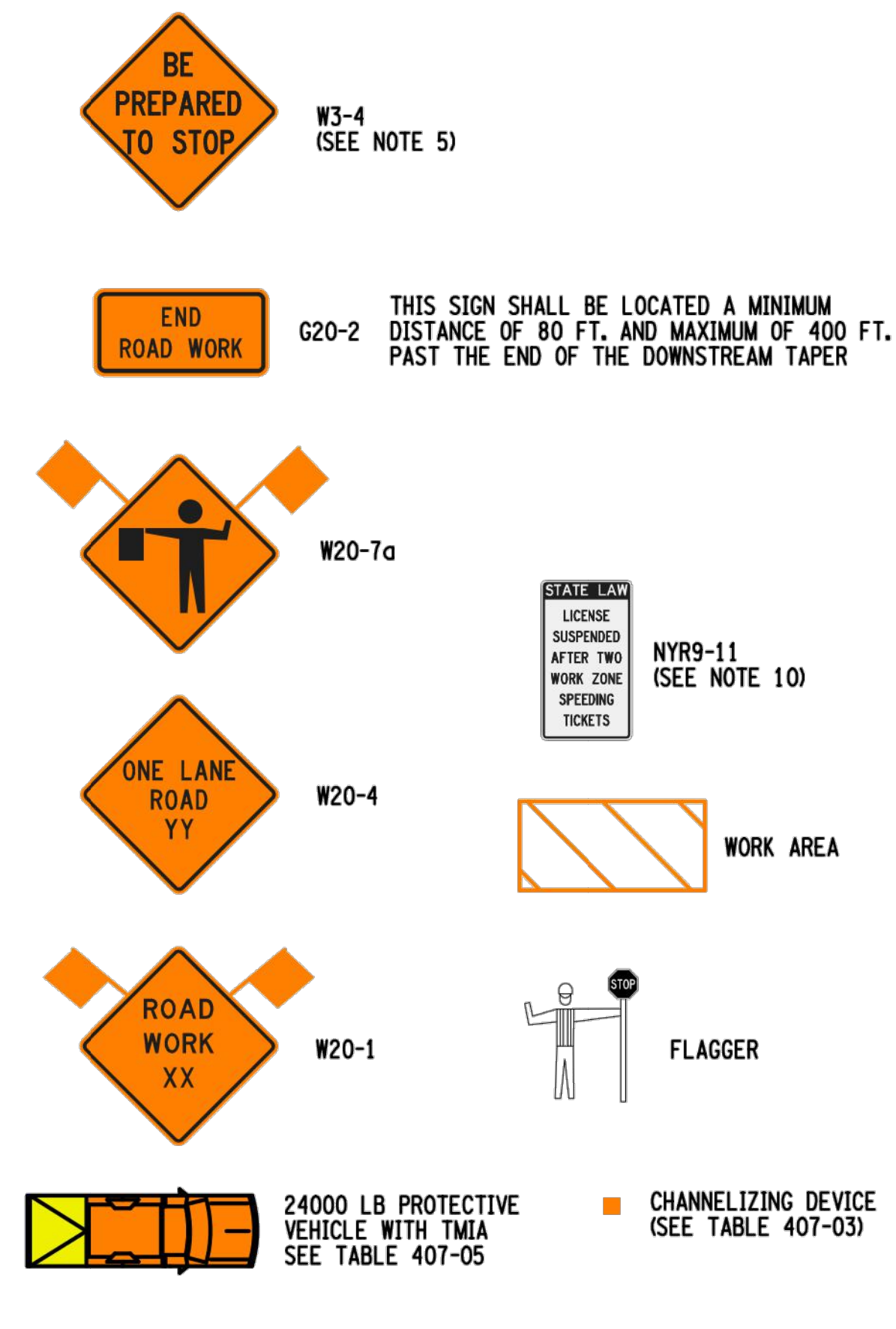
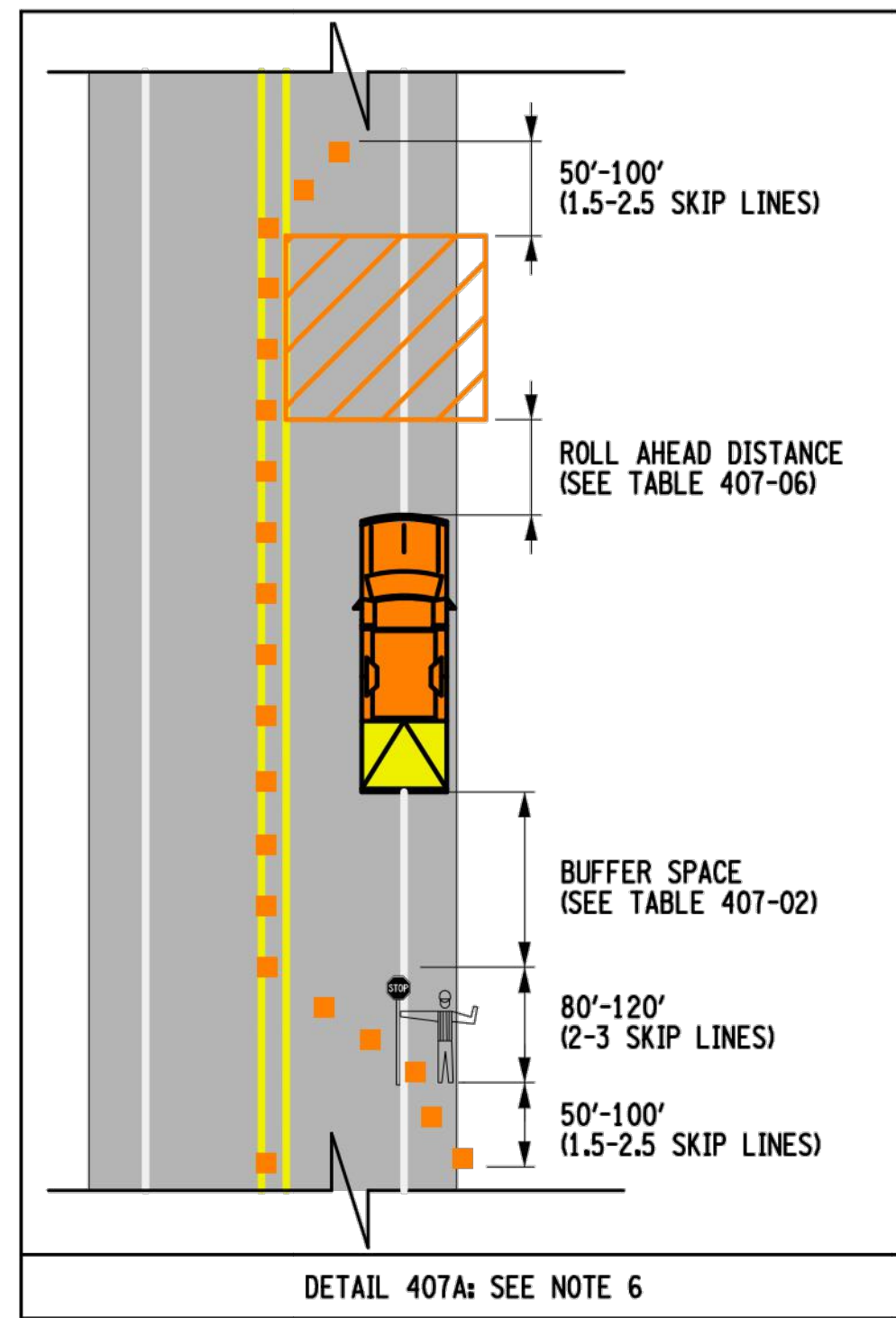
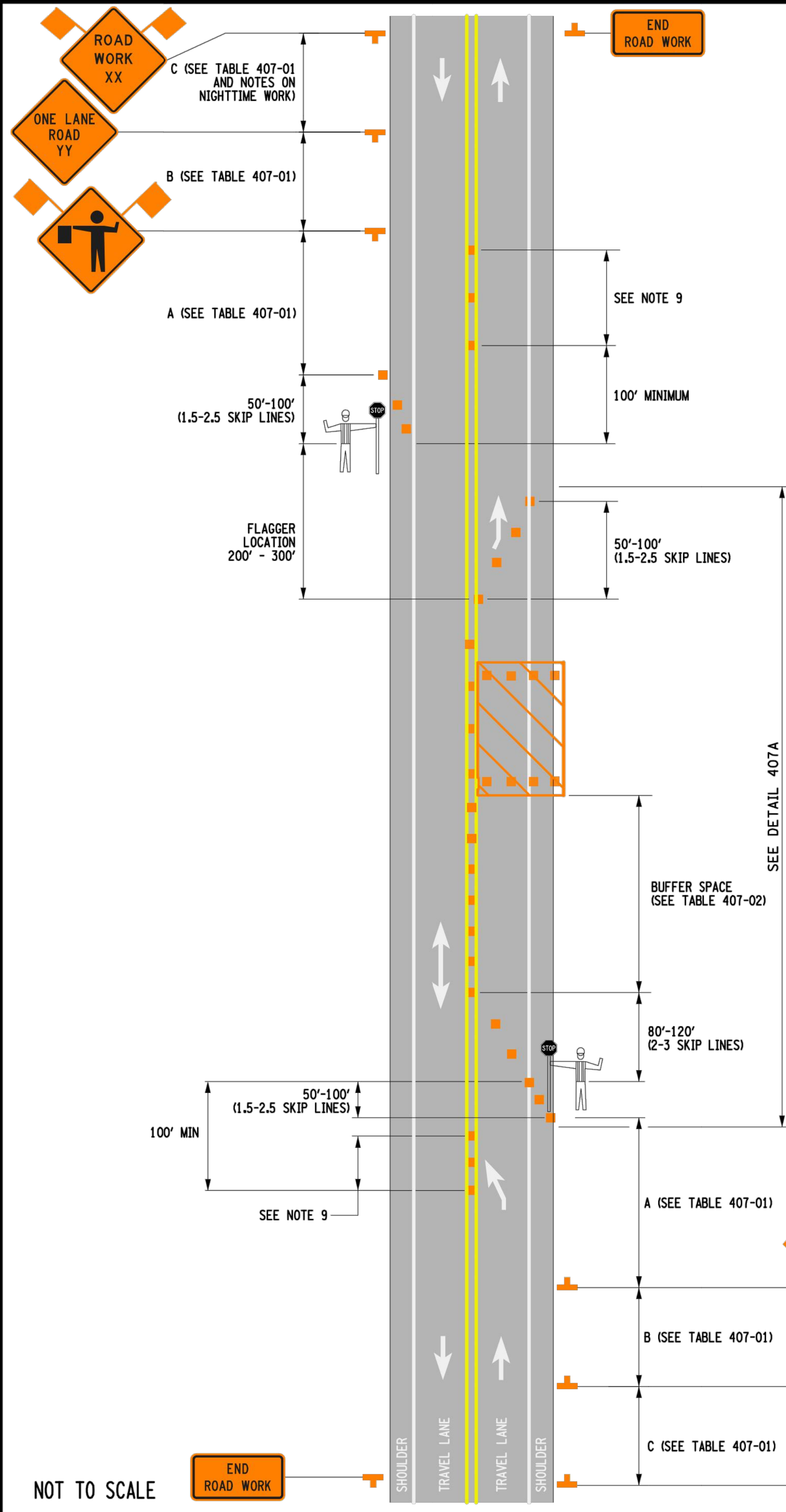
OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

L7.1

PROJECT NO: 2550.011




NOTES:

- INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
- WHEN A SIDE ROAD OR DRIVEWAY INTERSECTS THE ROADWAY WITHIN A WORK ZONE TRAFFIC CONTROL AREA, ADDITIONAL TEMPORARY TRAFFIC CONTROL DEVICES AND/OR FLAGGERS SHALL BE PLACED AS NEEDED. ADDITIONAL FLAGGERS SHALL BE LOCATED AT ALL INTERSECTIONS AND COMMERCIAL DRIVEWAYS LOCATED WITHIN OR NEAR THE ACTIVE WORK SPACE. NO WORK ACTIVITY, EQUIPMENT, OR STORAGE OF VEHICLES, OR MATERIAL SHALL OCCUR WITHIN THE BUFFER SPACE AT ANY TIME.
- CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
- CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.
- IF THE TRAFFIC IS EXPECTED TO QUEUE PAST THE W20-4 SIGN, A W3-4 SIGN SHOULD BE ADDED HALFWAY BETWEEN THE W20-4 AND W20-1 SIGNS.
- IF CONDITION WARRANTS, PROTECTIVE VEHICLE WITH APPROPRIATE ROLL AHEAD DISTANCE MAY BE USED IN ADVANCE OF THE WORK AREA. TO USE PROTECTIVE VEHICLE, BUFFER SPACE SHALL BE PROVIDED ACCORDINGLY, AND THE WHEELS SHALL BE ALIGNED WITH THE LANE STRIPING.
- FLAGGER SIGN (W20-7a) AND ONE LANE ROAD AHEAD SIGN (W20-4) SHALL BE REMOVED, COVERED OR TURNED AWAY FROM ROAD USERS WHEN FLAGGING OPERATIONS ARE NOT OCCURRING.
- ALL FLAGGERS SHALL USE 24" (MIN.) OCTAGON SHAPED STOP/SLOW PADDLES HAVING 6' STAFF. THE PADDLE IS THE PREFERRED DEVICE, BUT THE FLAG MAY BE USED AT INTERSECTIONS WHERE THE STOP/SLOW PADDLE WOULD OFFER CONTRADICTING INFORMATION TO DRIVERS TRAVELING IN OPPOSITE DIRECTIONS/LEGS OF THE INTERSECTION OR DURING INCIDENT MANAGEMENT SITUATIONS.
- CENTERLINE CONES MAY BE ADDED TO ENHANCE THE VISIBILITY OF THE FLAGGER STATION. IF CONES ARE USED, PLACE THEM 100 FT. (MINIMUM) FROM FLAGGER.
- THE NY9-11 SIGN IS RECOMMENDED. WHEN USED, IT SHALL BE PLACED IN ADVANCE OF THE FIRST ADVANCE WARNING SIGN. THE PLACEMENT DISTANCE SHALL BE 1000' FOR POSTED SPEED LIMITS OF 45 MPH OR HIGHER, AND 300' - 500' FOR POSTED SPEED LIMITS OF LESS THAN 45 MPH.

NOTES ON NIGHTTIME WORK:

- WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.
- ALL SIGNS, STOP / SLOW PADDLES AND RED FLAGS USED TO WARN / ALERT / CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.
- ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMET AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-05A. HIGH VISIBILITY APPAREL AT ALL TIMES.
- VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS AT ALL TIMES.
- LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.
- LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.
- LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.
- ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.
- PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL.
- SEE NIGHTTIME SAFETY BULLETIN, HDM §16.5.7, & STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS.

REFER TO SHEET 2 OF 2 FOR ALL TABLES

		Department of Transportation	
U.S. CUSTOMARY STANDARD SHEET			
WORK ZONE TRAFFIC CONTROL TWO-LANE TWO-WAY ROADWAY LANE CLOSURE WITH FLAGGERS INTERMEDIATE TERM OPERATIONS (SHEET 1 OF 2)			
APPROVED DECEMBER 2, 2021		ISSUED UNDER EI 21-028	
Robert Limoges ROBERT LIMOGES, P.E. DIRECTOR, OTSM		619-407	

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PHASE: ISSUED FOR BID		IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S ARCHITECTS OR SURVEYORS SEAL.
DESCRIPTION OF REVISION:		
DATE:		
#		
HUNT ENGINEERS ARCHITECTS SURVEYORS		
HORSEHEADS, NY 807 - 398 - 1000 ROCHESTER, NY 895 - 327 - 7850 TOWN OF OWEGO, NY 895 - 327 - 7850 TOWN OF OWEGO, NY 895 - 327 - 7850 TOWN OF OWEGO, NY 895 - 327 - 7850 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1		
WORKZONE TRAFFIC CONTROL		
OWEGO DOWNTOWN REVITALIZATION INITIATIVE		
VILLAGE OF OWEGO		
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK		
WZTC1		
PROJECT NO: 2550.011		

TABLE 407-01: ADVANCE WARNING SIGN SPACING					
ROAD TYPE	DISTANCE BETWEEN SIGNS			SIGN LEGEND	
	A (FT.)	B (FT.)	C (FT.)	XX	YY
URBAN (≤ 30 MPH*)	100	100	100	AHEAD	AHEAD
URBAN (35-40 MPH*)	200	200	200	AHEAD	AHEAD
URBAN (≥ 45 MPH*)	350	350	350	1000 FT.	AHEAD
RURAL	500	500	500	1500 FT.	1000 FT.
• PRECONSTRUCTION POSTED SPEED LIMIT					


TABLE 407-02: LONGITUDINAL BUFFER SPACE	
PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.)/ • OF SKIP LINES
45	360/9
50	425/11
55	495/13
65	645/16

TABLE 407-03: CHANNELIZING DEVICE APPLICATION FOR INTERMEDIATE-TERM STATIONARY WORK ZONES											
WORK ZONE PROVISIONS		MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE								
INTERMEDIATE-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR			DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INTERIM TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
SHOULDER/MERGING/SHIFTING TAPERS		20 FT. •	X							X	
		40 FT.	X							X	
MARKING FOR TRANSVERSE BUMPS ¹		N/A	X ²			X ²				X ²	
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND/OR SHOULDER		800 FT.	X		X	X			X	X	0
REMOVAL OF EXISTING GUIDE RAIL		80 FT.	X		X	X	X		X	X	0
		40 FT.									
NOTES: X= ALLOWED, BLANK = NOT ALLOWED, 0 = OPTIONAL										• SEE NOTE 3 ON SHEET 1 OF 2.	
1. - A TYPE 1 OBJECT MARKER MAY BE USED IN LIEU OF CHANNELIZING DEVICE.											
2. - CHANNELIZING DEVICES SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT.											

TABLE 407-04: REQUIRED SIGN SIZES*		
SIGN	NON-FREEWAY	FREEWAY
G20-2	36x18	48x24
W3-4	36x36	48x48
W20-1	36x36	48x48
W20-4	36x36	48x48
W20-7a	36x36	48x48
WARNING FLAG	18x18	18x18
*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.		

TABLE 407-05: PROTECTIVE VEHICLE REQUIREMENTS				
CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
	EXPOSURE CONDITIONS ¹			
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMIA	P, TMIA	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	P, TMIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMIA	SEE NOTE 2	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2
LEGEND				
P ₂ PROTECTIVE VEHICLE REQUIRED FOR EACH CLOSED LANE & EACH CLOSED PAVED SHOULDER 8’ OR WIDER, IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE PROTECTIVE VEHICLE SHALL BE REPOSITIONED ACCORDINGLY				
TMIA: TMIA REQUIRED				
NOTES:				
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT				
2. EITHER A PROTECTIVE VEHICLE OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED				

TABLE 407-06: ROLL AHEAD DISTANCE		
ROLL AHEAD DISTANCE (FT.)/• OF SKIP LINES FOR VEHICLES		
PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	STATIONARY OPERATION	
	MIN	MAX
≥ 55	120/3	200/5
45 - 50	80/2	160/4
≤ 40	40/1	120/3



NEW YORK
STATE OF
OPPORTUNITY.

**Department of
Transportation**

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
TWO-LANE TWO-WAY ROADWAY
LANE CLOSURE WITH FLAGGERS
INTERMEDIATE TERM OPERATION
(SHEET 2 OF 2)

APPROVED APRIL 8, 2022

ISSUED UNDER EI 22-008

Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

619-407

DRAWN BY: JCP
CHECKED BY: JCP
DATE: 02/2023
PHASE: ISSUED FOR BID

DESCRIPTION OF REVISION:
DATE:
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WORKZONE TRAFFIC CONTROL

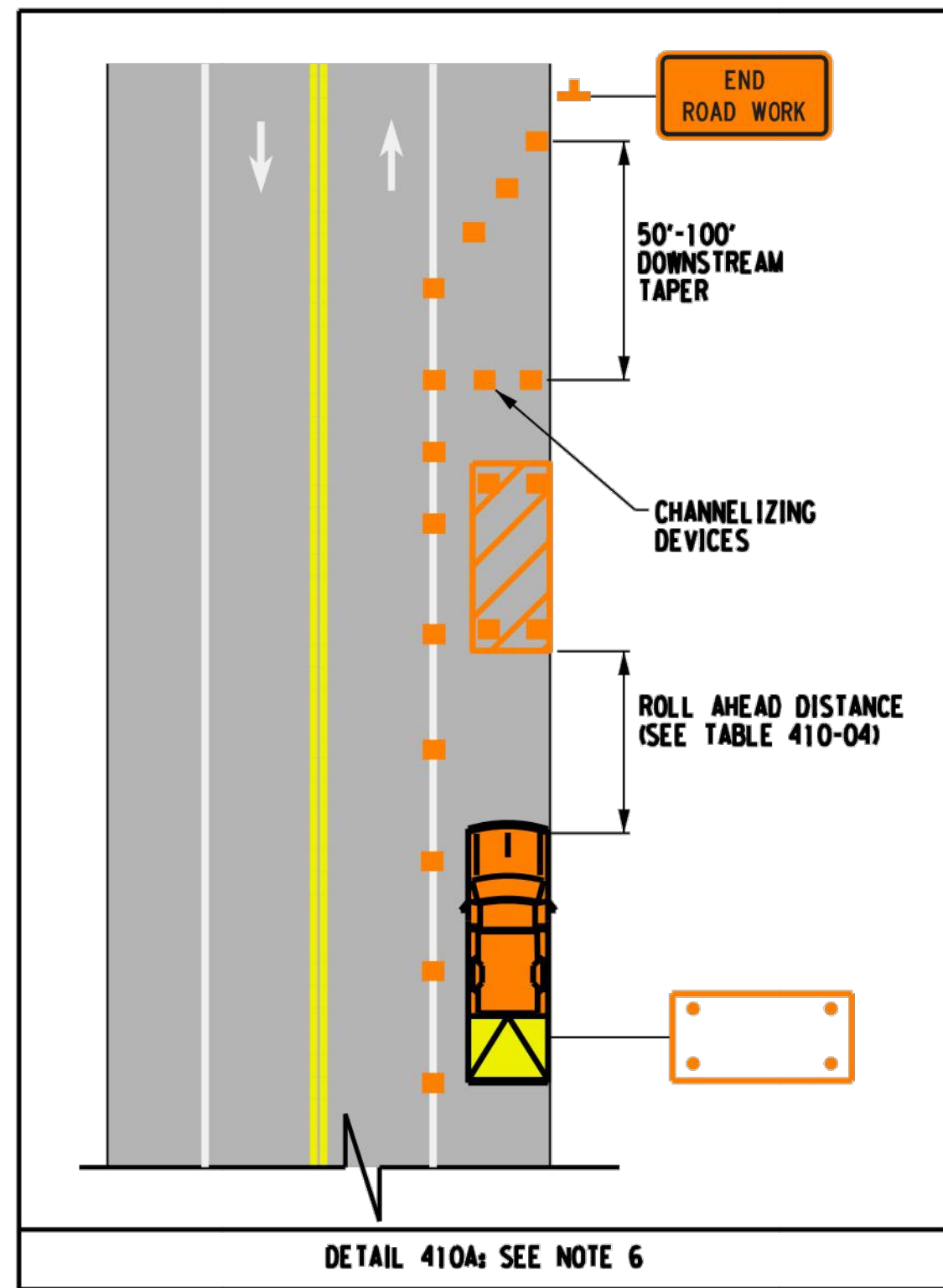
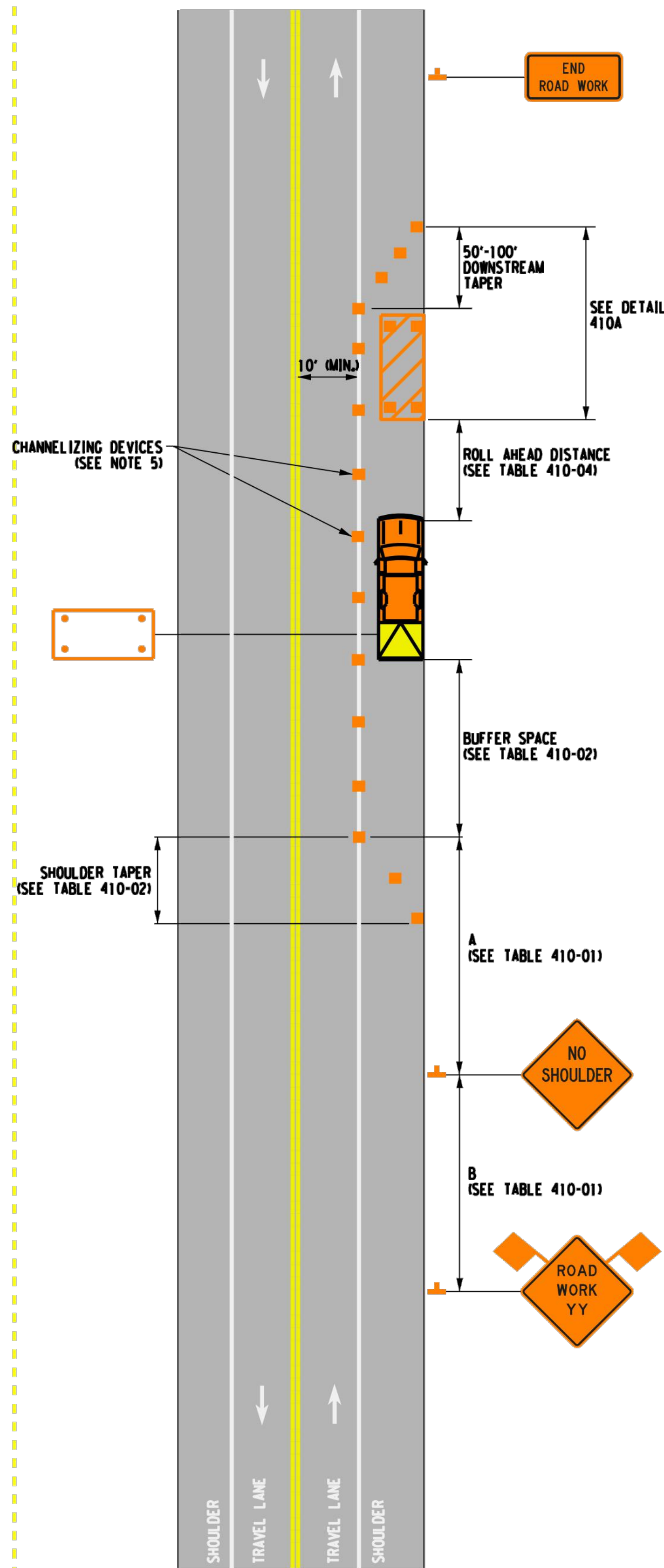
OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

WZTC2

PROJECT NO: 2550.011

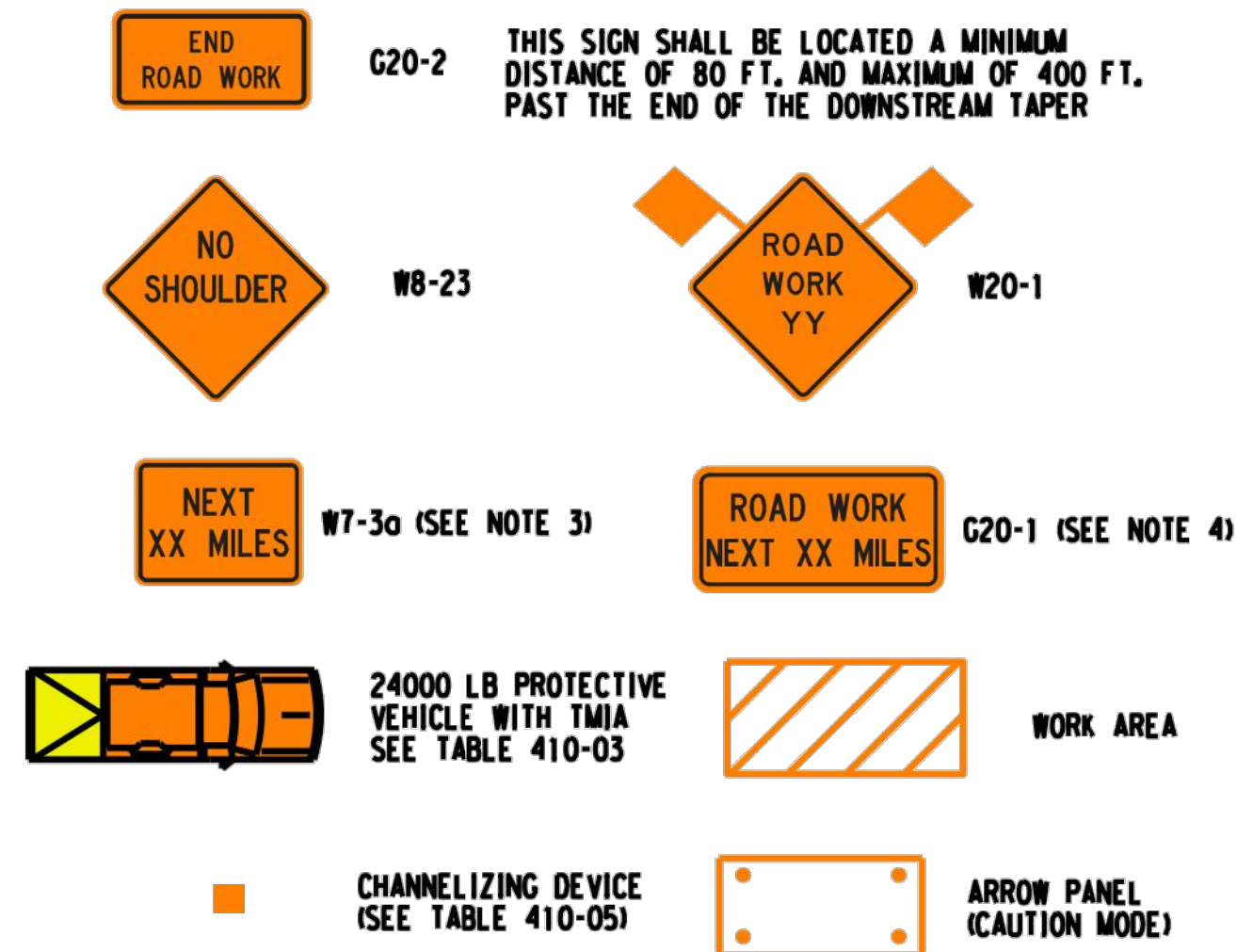


NOTES:

1. INTERMEDIATE-TERM IS STATIONARY WORK THAT OCCUPIES A LOCATION MORE THAN ONE DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK LASTING MORE THAN 1 HOUR.
2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
3. XX IS THE EXPECTED OVERALL LENGTH OF THE OPERATION TO BE COMPLETED WITHIN THE WORK DAY. A SUPPLEMENTAL DISTANCE PLAQUE W7-3a SHALL BE USED WITH SIGN W20-1 WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK MAY BECOME GREATER THAN 2 MILES AS A RESULT OF THE FOLLOWING SITUATIONS:
 - MULTIPLE WORK LOCATIONS ARE ANTICIPATED WITHIN XX MILES FROM THE W20-1 SIGN
 - WORK AREA WILL BE RELOCATED DURING THE DURATION OF THE WORK WITHIN XX MILES FROM THE W20-1 SIGNTHE SUPPLEMENT SIGN W7-3a SHALL INDICATE THE MAXIMUM ANTICIPATED DISTANCE BETWEEN THE W20-1 SIGN AND THE FARTHEST WORK LOCATION.
4. WHEN MULTIPLE WORK LOCATIONS EXIST WITHIN XX MILES FROM THE W20-1 SIGN, A G20-1 SIGN SHALL BE PLACED EVERY TWO MILES INDICATING THE DISTANCE FROM THE SIGN TO THE FARTHEST WORK LOCATION.
5. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 20' IN THE ACTIVE WORK SPACE.
6. CHANNELIZING DEVICES SHALL BE PLACED TRANSVERSELY A MINIMUM OF EVERY 800' AS SHOWN WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 800'.
7. THE PROTECTIVE VEHICLE(S) SHALL MAINTAIN THE APPROPRIATE ROLL AHEAD DISTANCE, BE AN UNOCCUPIED TRUCK POSITIONED PARALLEL TO TRAFFIC, PARKING BRAKE SET, PLACED IN 2ND GEAR (MANUAL TRANSMISSIONS /ENGINE OFF) OR PARK / NEUTRAL (AUTOMATIC TRANSMISSIONS) AND HAVE THE FRONT WHEELS ALIGNED WITH THE LANE STRIPING.

NOTES FOR NIGHTTIME OPERATIONS:

- N1. WORK OCCURRING AFTER SUNSET AND BEFORE SUNRISE WILL BE CONSIDERED NIGHTTIME OPERATIONS.
- N2. ALL SIGNS, STOP/SLOW PADDLES AND RED FLAGS USED TO WARN/ALERT/CONTROL TRAFFIC SHALL BE RETROREFLECTIVE.
- N3. ALL WORKERS INVOLVED SHALL WEAR PROTECTIVE HELMETS AND NIGHTTIME APPAREL IN ACCORDANCE WITH §107-05A, HIGH VISIBILITY APPAREL AT ALL TIMES.
- N4. VEHICLES OPERATING ON THE PAVEMENT OF A CLOSED ROADWAY OR TRAVEL LANE SHALL DISPLAY ROTATING AMBER BEACONS OR FLASHING LED BEACONS AT ALL TIMES.
- N5. LEVEL I ILLUMINATION SHALL BE PROVIDED NEAR THE BEGINNING OF LANE CLOSURE TAPERS AND AT ROAD CLOSURES, INCLUDING THE SETUP AND REMOVAL OF THE CLOSURE TAPERS.
- N6. LEVEL II ILLUMINATION SHALL BE PROVIDED FOR FLAGGING STATIONS, ASPHALT PAVING, MILLING, AND CONCRETE PLACEMENT AND/OR REMOVAL OPERATIONS, INCLUDING BRIDGE DECKS, 50 FEET AHEAD OF AND 100 FEET BEHIND A PAVING OR MILLING MACHINE.
- N7. LEVEL III ILLUMINATION SHALL BE PROVIDED FOR PAVEMENT OR STRUCTURAL CRACK FILLING, JOINT REPAIR, PAVEMENT PATCHING AND REPAIRS, INSTALLATION OF SIGNAL EQUIPMENT OR OTHER ELECTRICAL/MECHANICAL EQUIPMENT, AND OTHER TASKS INVOLVING FINE DETAILS OR INTRICATE PARTS AND EQUIPMENT.
- N8. ALL LIGHTING SHALL BE DESIGNED, INSTALLED, AND OPERATED TO AVOID GLARE THAT AFFECTS TRAFFIC ON THE ROADWAY OR THAT CAUSES ANNOYANCE OR DISCOMFORT FOR RESIDENCES ADJOINING THE ROADWAY.
- N9. PRIOR TO THE START OF NIGHTTIME OPERATIONS, A WRITTEN NIGHTTIME OPERATIONS AND LIGHTING PLAN IS REQUIRED FOR APPROVAL FROM THE DOT ENGINEER.
- N10. SEE STANDARD SPECIFICATIONS §619 FOR ADDITIONAL REQUIREMENTS AND CONSIDERATIONS.
- N11. FLAGGERS SHALL USE A FLASHLIGHT WITH RED GLOW CONE/RED LED BATON FOR FLAGGING IN NON-ILLUMINATED FLAGGER STATIONS DURING NIGHTTIME OPERATIONS.



REFER TO SHEET 2 OF 2 FOR ALL TABLES



Department of Transportation

U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
TWO-LANE TWO-WAY ROADWAY
SHOULDER CLOSURE
INTERMEDIATE TERM OPERATION
(SHEET 1 OF 2)

APPROVED DECEMBER 2, 2021

ISSUED UNDER EI 21-028

Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

619-410

ERRATA 1 EFF. 01/01/23
ISSUED WITH EB 22-050

DRAWN BY: JCP
CHECKED BY: JCP
DATE: 02/20/23
PHASE: ISSUED FOR BID

DESCRIPTION OF REVISION:
DATE:
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HUNT ENGINEERS | ARCHITECTS | SURVEYORS

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TOWN OF OWEGO, NY 607 - 795 - 8081
TOWN OF OWEGO, NY 607 - 795 - 8081
TOWN OF OWEGO, NY 607 - 795 - 8081
NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131484-1

WORKZONE TRAFFIC CONTROL
OWEGO DOWNTOWN REVITALIZATION INITIATIVE
VILLAGE OF OWEGO
VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

WZTC3

PROJECT NO: 2550.011

TABLE 410-01: ADVANCE WARNING SIGN SPACING		
ROAD TYPE	DISTANCE BETWEEN SIGNS	
	A (FT.)	B (FT.)
URBAN (≤ 30 MPH*)	100	100
URBAN (35-40 MPH*)	200	200
URBAN (≥ 45 MPH*)	350	350
RURAL	500	500
* PRECONSTRUCTION POSTED SPEED LIMIT		


TABLE 410-02: LONGITUDINAL BUFFER SPACE AND TAPER LENGTHS							
PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	LONGITUDINAL BUFFER SPACE DISTANCE (FT.)/ * OF SKIP LINES	TAPER LENGTH: L (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES			SHOULDER TAPER LENGTH: L/3 (FT.)/ * OF SKIP LINES/ * OF CHANNELIZING DEVICES		
		FOR LANE WIDTH IN FT. (LATERAL SHIFT OF TRAFFIC FLOW PATH)			FOR SHOULDER WIDTH		
		10	11	12	≤ 4 FT.	5 - 7 FT.	≥ 8 FT.
25	155/4	120/3/4	120/3/4	120/3/4	40/1/2	40/1/2	40/1/2
30	200/5	160/4/5	160/4/5	200/5/6	40/1/2	40/1/2	40/1/2
35	250/6	200/5/6	240/6/7	240/6/7	40/1/2	40/1/2	80/2/3
40	305/8	280/7/8	320/8/9	320/8/9	40/1/2	80/2/3	80/2/3
45	360/9	440/11/12	520/13/14	560/14/15	80/2/3	80/2/3	120/3/4
50	425/11	520/13/14	560/14/15	600/15/16	80/2/3	120/3/4	160/4/5
55	495/13	560/14/15	600/15/16	680/17/18	80/2/3	120/3/4	160/4/5

TABLE 410-03: PROTECTIVE VEHICLE REQUIREMENTS				
CLOSURE TYPE	ROAD TYPE & SPEED	NON-FREEWAY		
		≥ 45 MPH	35 - 40 MPH	≤ 30 MPH
	EXPOSURE CONDITIONS ¹			
LANE CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMIA	P, TMIA	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	P, TMIA	SEE NOTE 2	SEE NOTE 2
SHOULDER CLOSURE OR ENCROACHMENT	WORKERS ON FOOT OR VEHICLE EXPOSED TO TRAFFIC	P, TMIA	SEE NOTE 2	SEE NOTE 2
	OTHER HAZARDS NO WORKERS EXPOSED	SEE NOTE 2	SEE NOTE 2	SEE NOTE 2
LEGEND				
P: PROTECTIVE VEHICLE REQUIRED FOR EACH CLOSED LANE & EACH CLOSED PAVED SHOULDER 8’ OR WIDER, IF THE WORK SPACE MOVES WITHIN THE STATIONARY CLOSURE, THE PROTECTIVE VEHICLE SHALL BE REPOSITIONED ACCORDINGLY				
TMIA: TMIA REQUIRED				
NOTES:				
1. THE EXPOSURE CONDITIONS ASSUME THERE IS NO POSITIVE PROTECTION PRESENT				
2. EITHER A PROTECTIVE VEHICLE OR THE STANDARD BUFFER SPACE SHALL BE PROVIDED				

TABLE 410-04: ROLL AHEAD DISTANCE		
ROLL AHEAD DISTANCE (FT.)/* OF SKIP LINES FOR VEHICLES		
PRECONSTRUCTION POSTED SPEED LIMIT (MPH)	STATIONARY OPERATION	
	MIN	MAX
≥ 55	120/3	200/5
45 - 50	80/2	160/4
≤ 40	40/1	120/3

TABLE 410-05: CHANNELIZING DEVICE APPLICATION FOR INTERMEDIATE-TERM STATIONARY WORK ZONES										
WORK ZONE PROVISIONS	MAXIMUM DEVICE SPACING (CENTER TO CENTER)	MUTCD COMPLIANT CHANNELIZING DEVICE								
INTERMEDIATE-TERM STATIONARY WORK ZONES INVOLVE WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 DAYLIGHT PERIOD UP TO 3 CONSECUTIVE DAYS, OR NIGHTTIME WORK THAT OCCUPIES A LOCATION FOR MORE THAN 1 HOUR		DRUMS	STANDARD CONES	TALL CONES	EXTRA TALL CONES	TEMPORARY TUBULAR MARKERS	INTERIM TUBULAR MARKERS	VERTICAL PANELS	OVERSIZED VERTICAL PANELS	TYPE III BARRICADES
SHOULDER/MERGING/ SHIFTING TAPERS	20 FT. •	X							X	
	40 FT.	X							X	
MARKING FOR TRANSVERSE BUMPS ¹	N/A	X ²	X		X ²				X ²	
TRANSVERSE DEVICE WITHIN CLOSED TRAFFIC LANE AND/OR SHOULDER	800 FT.	X		X	X			X	X	0
REMOVAL OF EXISTING GUIDE RAIL	80 FT.	X		X	X	X		X	X	0
	40 FT.									
NOTES: X= ALLOWED, BLANK = NOT ALLOWED, 0 = OPTIONAL 1. - A TYPE 1 OBJECT MARKER MAY BE USED IN LIEU OF CHANNELIZING DEVICE. 2. - CHANNELIZING DEVICES SHALL BE EQUIPPED WITH A FLASHING WARNING LIGHT.										
* SEE NOTE 5 ON SHEET 1 OF 2.										

TABLE 410-06: REQUIRED SIGN SIZES*		
SIGN	NON-FREEWAY	FREEWAY
G20-2	36x18	48x24
W20-1	36x36	48x48
W21-5	36x36	48x48
W7-3a	24x18	36x30
G20-1	36x18	48x24
WARNING FLAG	18x18	18x18
*FREEWAY SIZES MAY BE USED ON NON-FREEWAY, IF SPACE CONSTRAINTS DO NOT EXIST.		



NEW YORK
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U.S. CUSTOMARY STANDARD SHEET

WORK ZONE TRAFFIC CONTROL
TWO-LANE TWO-WAY ROADWAY
SHOULDER CLOSURE
INTERMEDIATE TERM OPERATION
(SHEET 2 OF 2)

APPROVED APRIL 8, 2022
Robert Limoges
ROBERT LIMOGES, P.E.
DIRECTOR, OTSM

ISSUED UNDER EI 22-008

619-410

DRAWN BY: JCB
CHECKED BY: JCB
DATE: 02/2023
PHASE: ISSUED FOR BID

DESCRIPTION OF REVISION:

DATE:
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WORKZONE TRAFFIC CONTROL

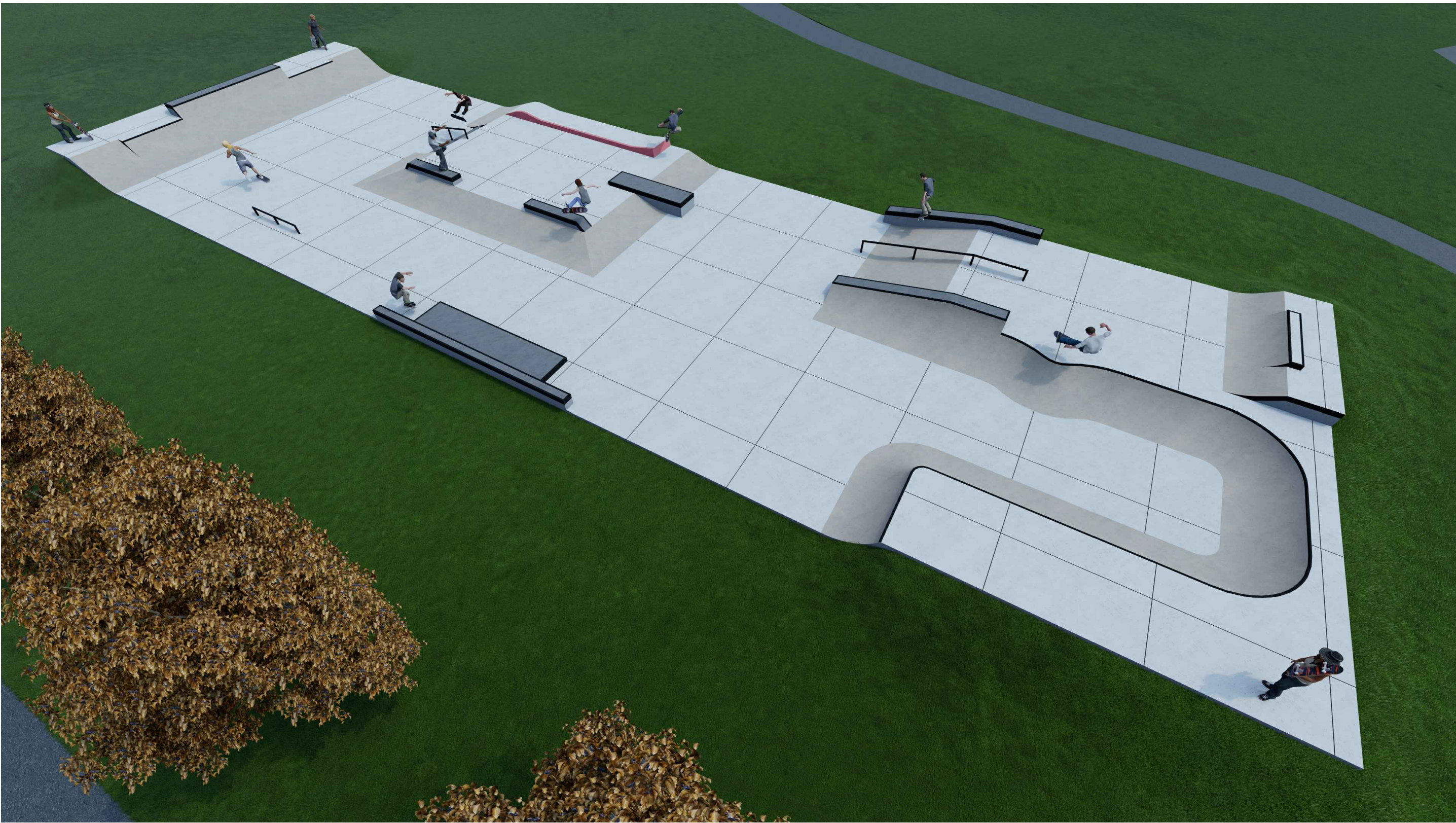
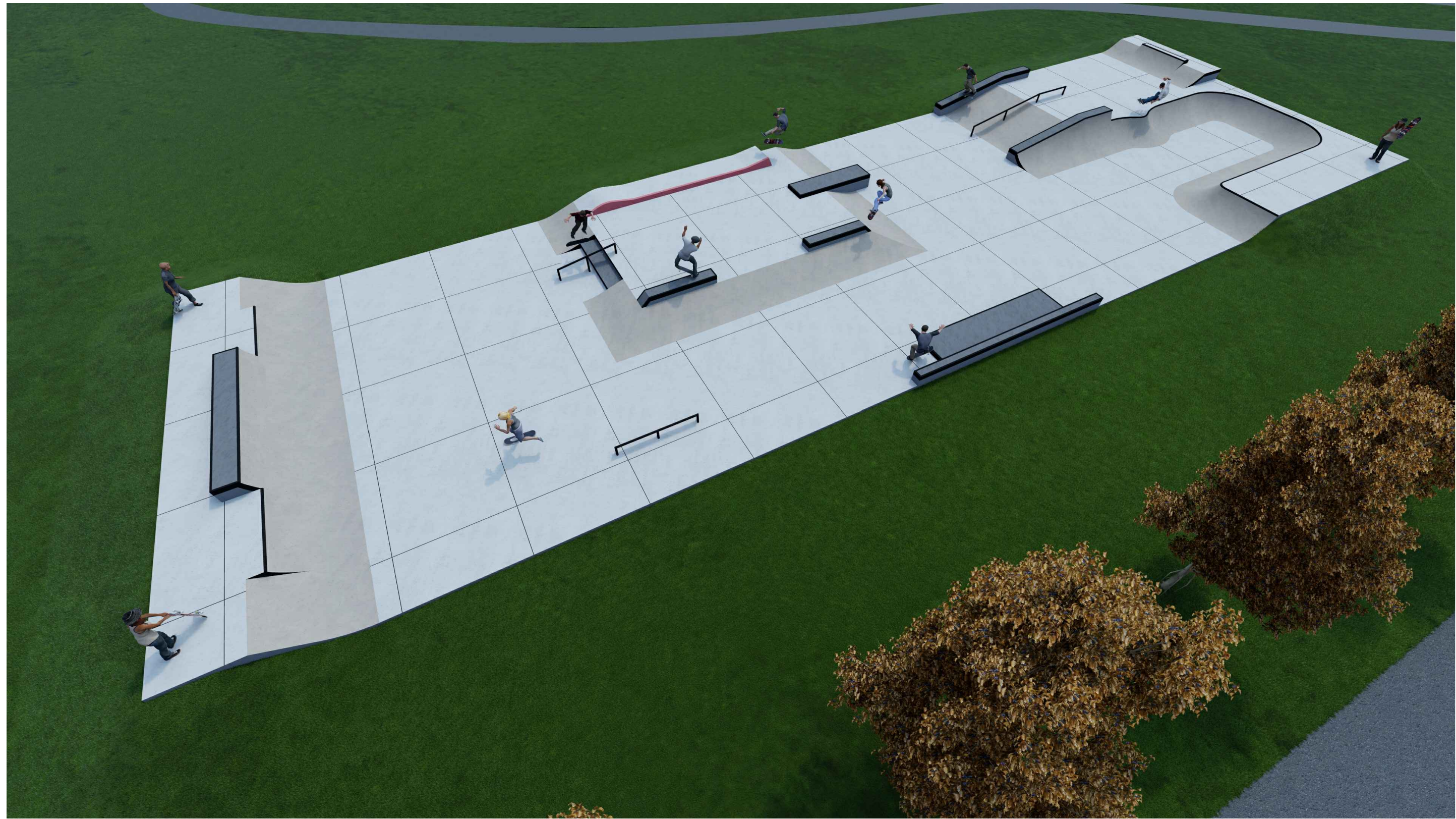
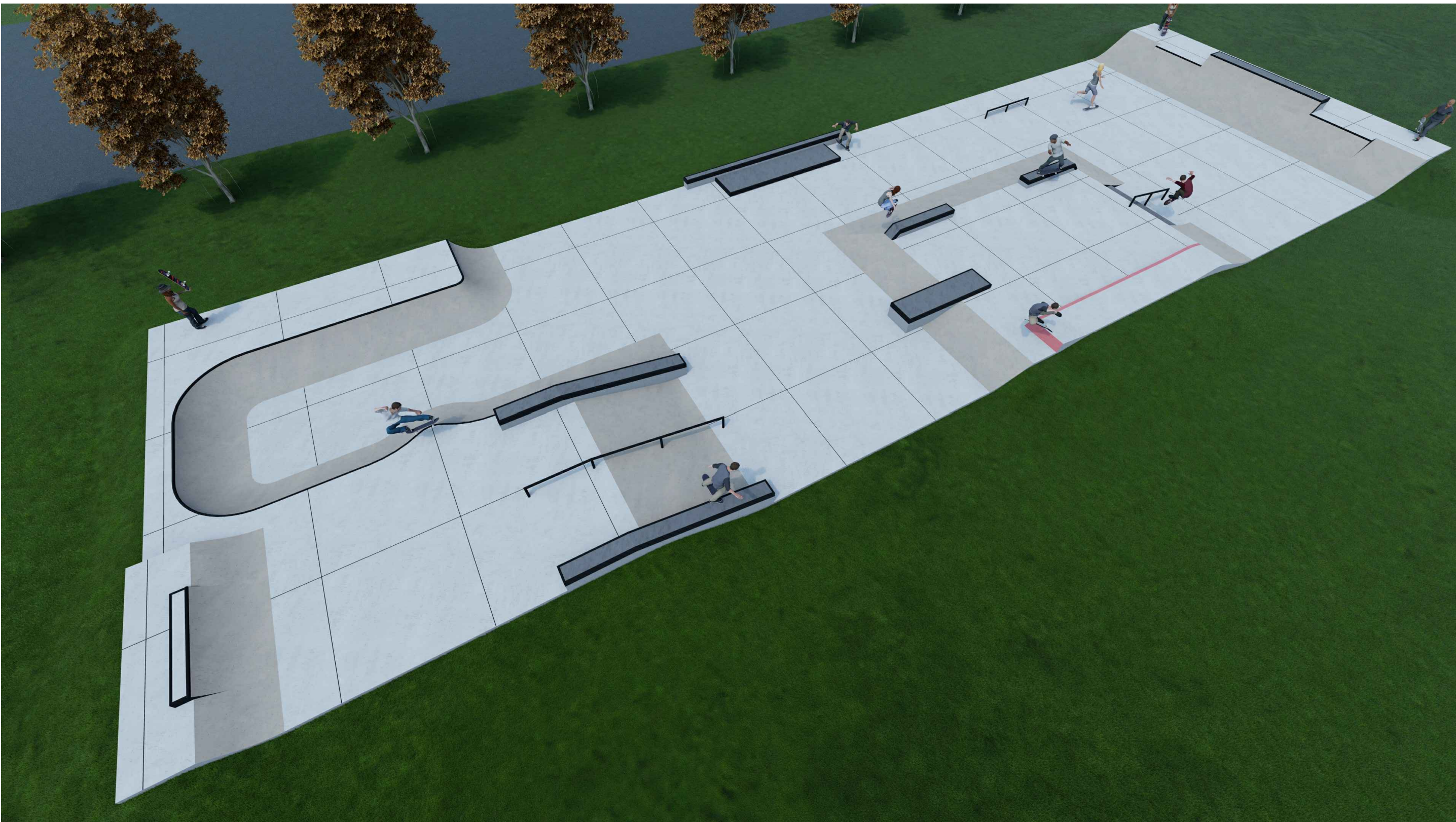
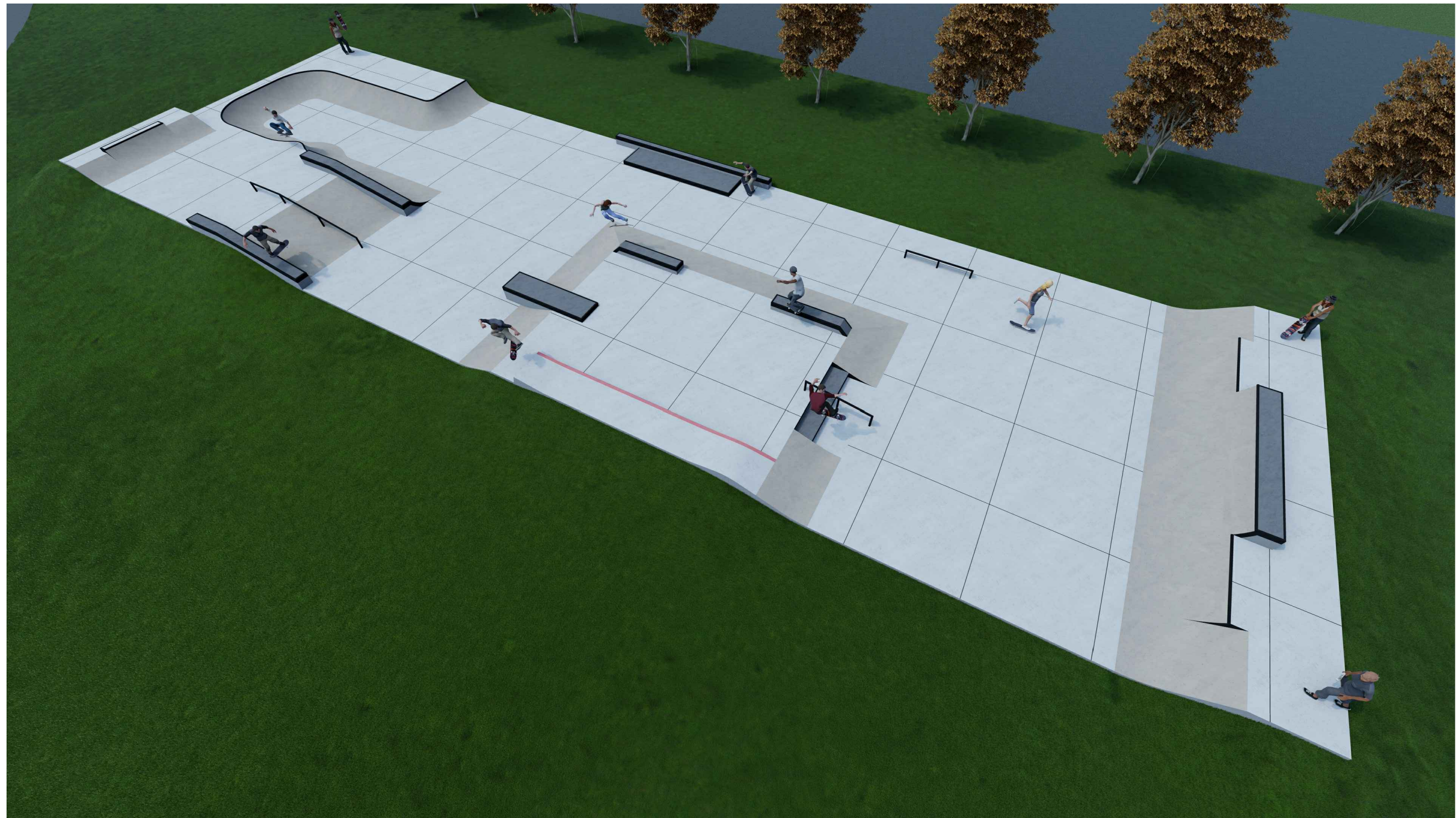
OWEGO DOWNTOWN REVITALIZATION INITIATIVE

VILLAGE OF OWEGO

VILLAGE OF OWEGO, TIOGA COUNTY, NEW YORK

WZTC4

PROJECT NO: 2550.011



GRINDLINE
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Seattle WA 98106
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www.grindline.com

SCALE:

CONCEPTUAL RENDERINGS

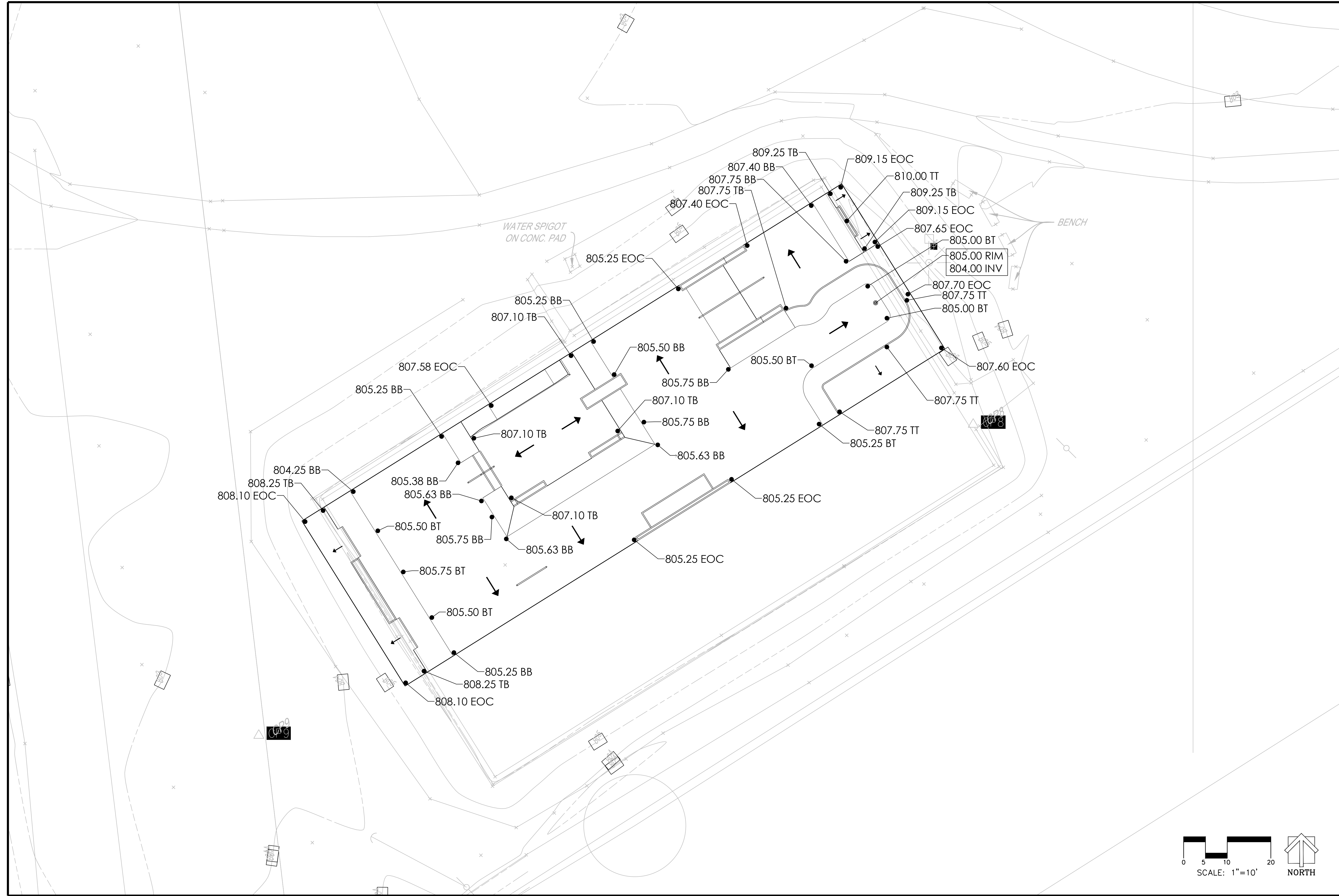
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP1.1

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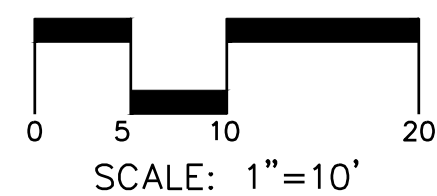
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PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

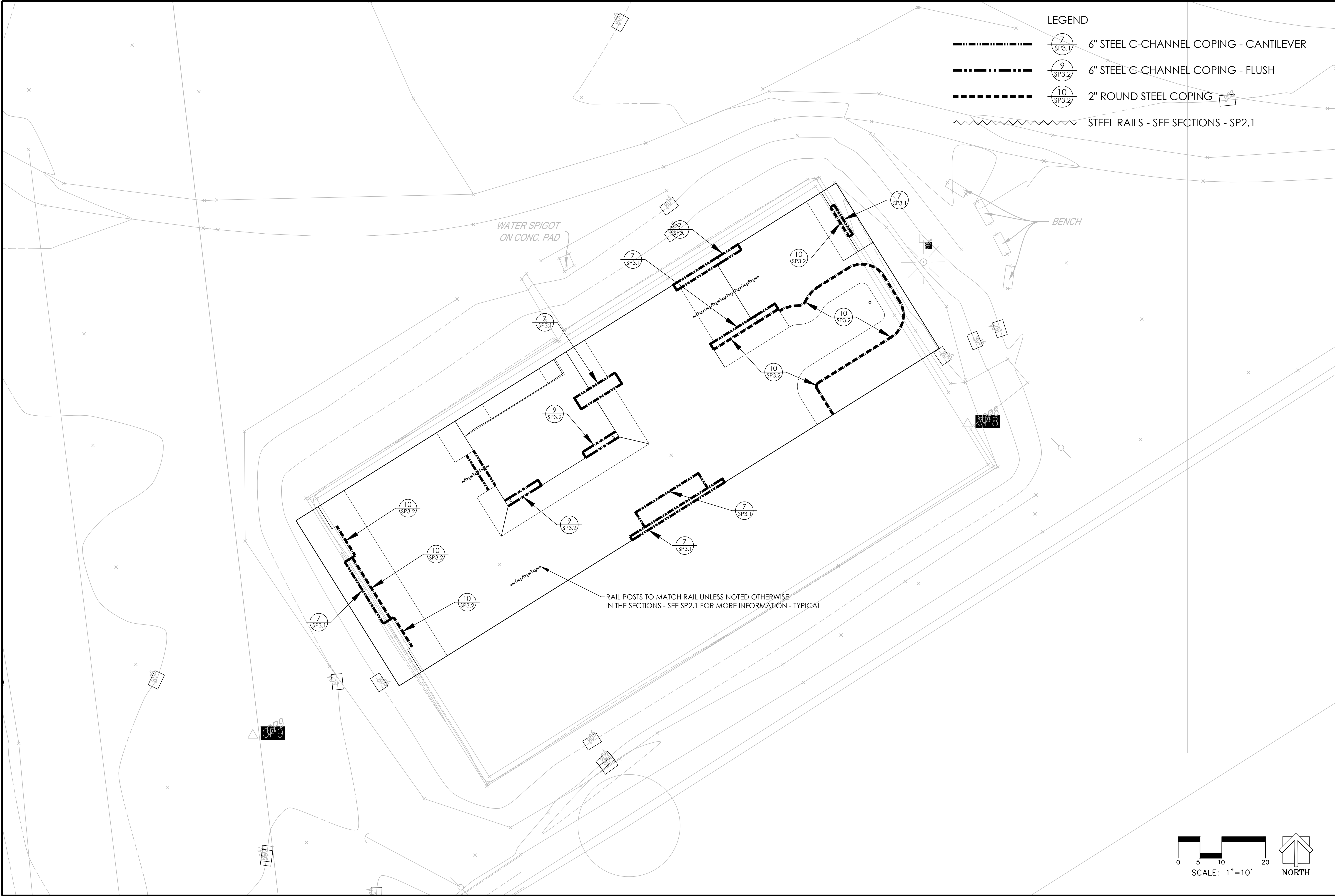
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DATE: 02.22.23

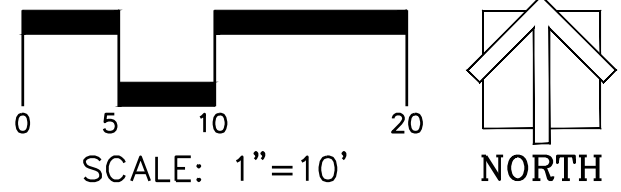
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- LEGEND**
- 7 SP3.1 6" STEEL C-CHANNEL COPING - CANTILEVER
 - 9 SP3.2 6" STEEL C-CHANNEL COPING - FLUSH
 - 10 SP3.2 2" ROUND STEEL COPING
 - STEEL RAILS - SEE SECTIONS - SP2.1



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SCALE: 1" = 10'

COPING MATERIALS PLAN

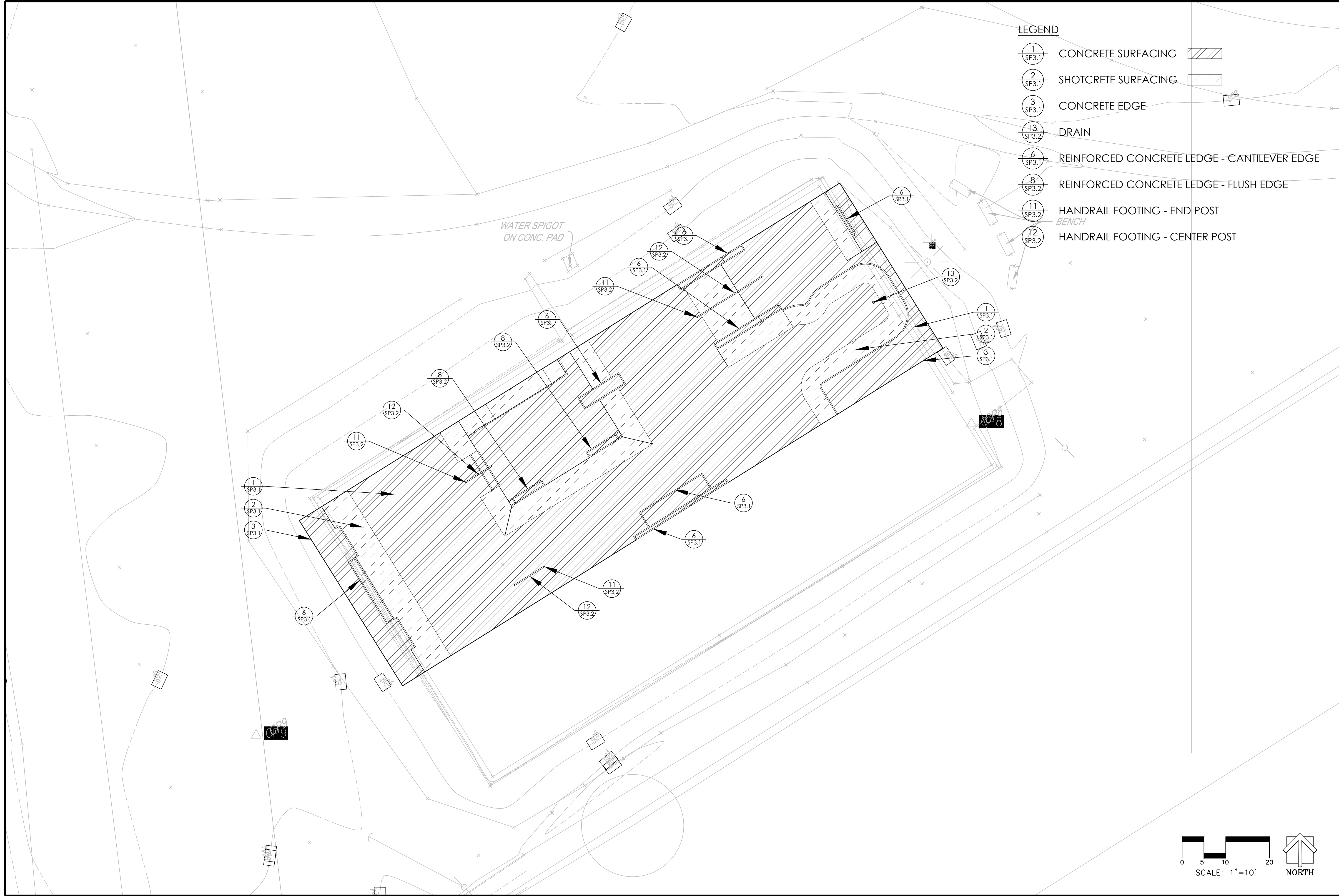
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET: SP1.3

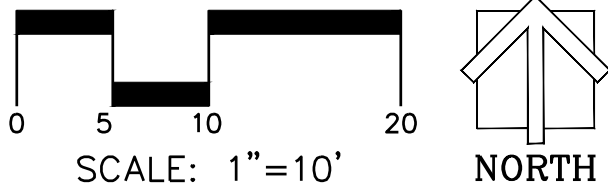
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- LEGEND**
- 1 SP3.1 CONCRETE SURFACING
 - 2 SP3.1 SHOTCRETE SURFACING
 - 3 SP3.1 CONCRETE EDGE
 - 13 SP3.2 DRAIN
 - 6 SP3.1 REINFORCED CONCRETE LEDGE - CANTILEVER EDGE
 - 8 SP3.2 REINFORCED CONCRETE LEDGE - FLUSH EDGE
 - 11 SP3.2 HANDRAIL FOOTING - END POST
 - 12 SP3.2 HANDRAIL FOOTING - CENTER POST
- BENCH



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SCALE: 1" = 10'

CONCRETE MATERIALS PLAN

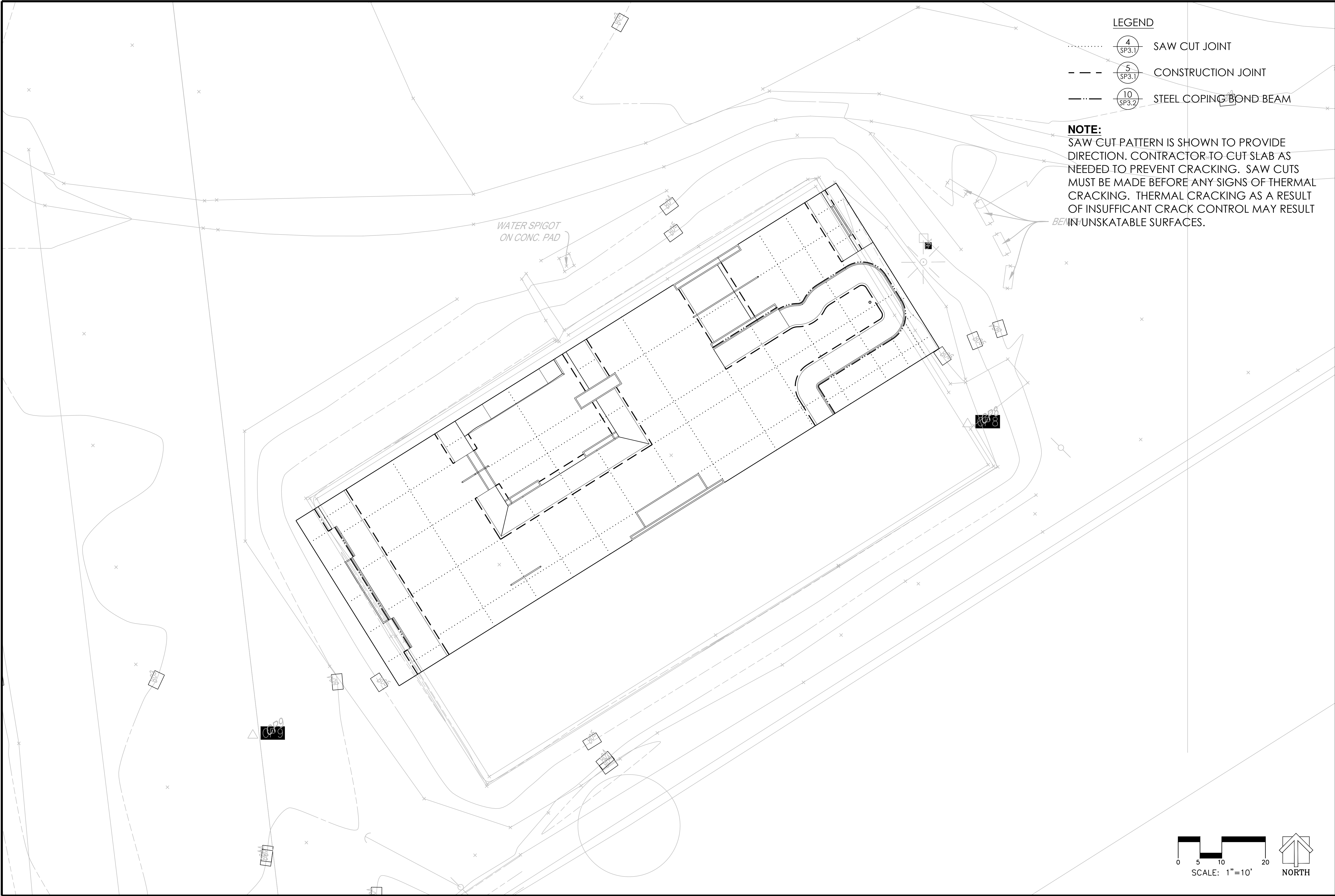
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET: SP1.4

DATE: 02.22.23

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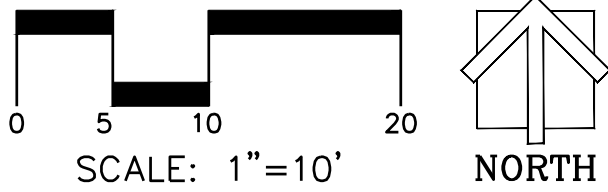


LEGEND

- 4 SP3.1 SAW CUT JOINT
- 5 SP3.1 CONSTRUCTION JOINT
- 10 SP3.2 STEEL COPING BOND BEAM

NOTE:

SAW CUT PATTERN IS SHOWN TO PROVIDE DIRECTION. CONTRACTOR TO CUT SLAB AS NEEDED TO PREVENT CRACKING. SAW CUTS MUST BE MADE BEFORE ANY SIGNS OF THERMAL CRACKING. THERMAL CRACKING AS A RESULT OF INSUFFICANT CRACK CONTROL MAY RESULT IN UNSKATABLE SURFACES.



SCALE:
1" = 10'

CONCRETE JOINTS
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP1.5

DATE: 02.22.23

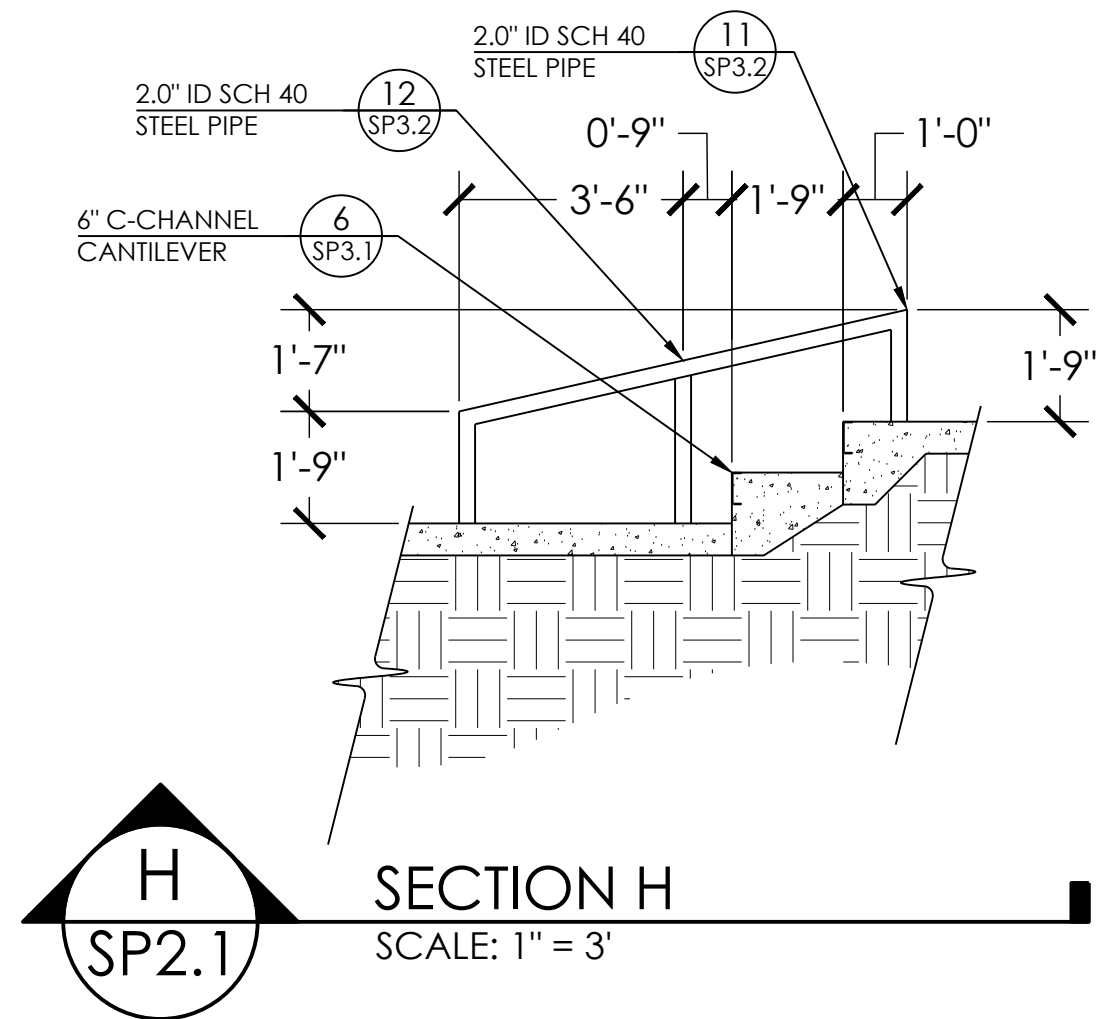
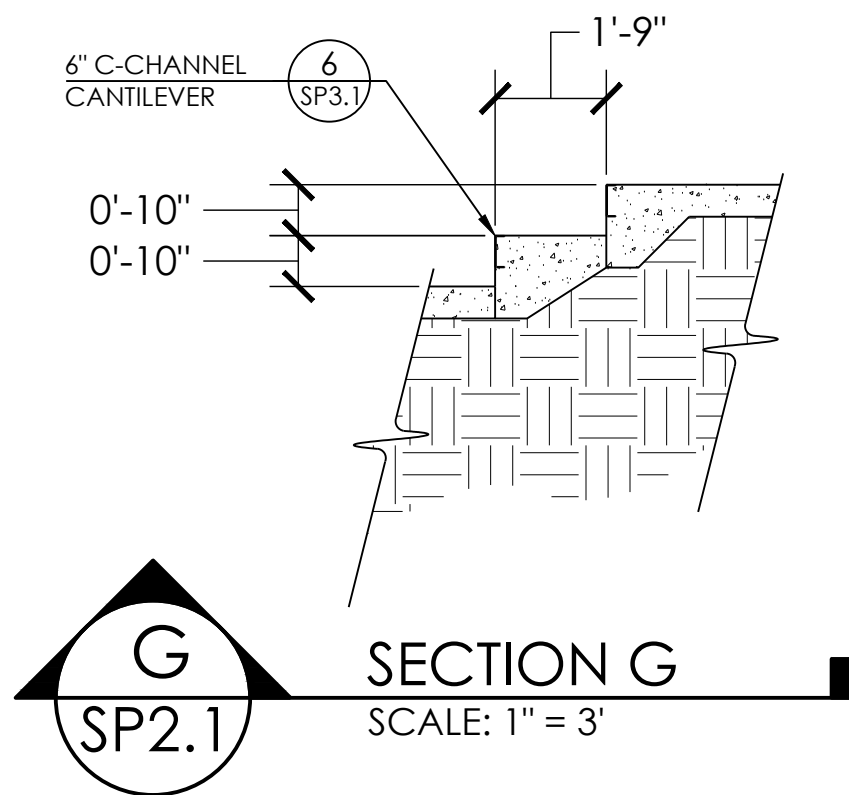
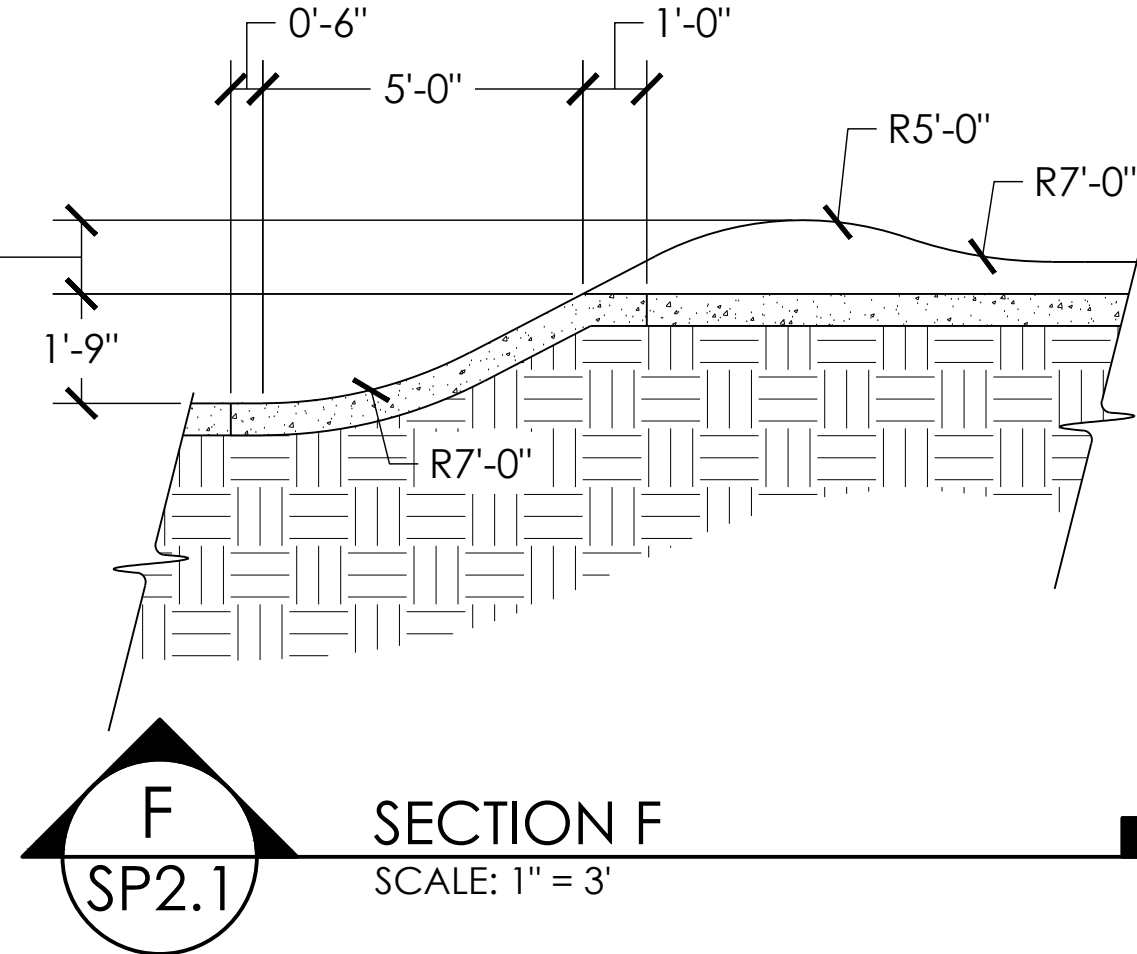
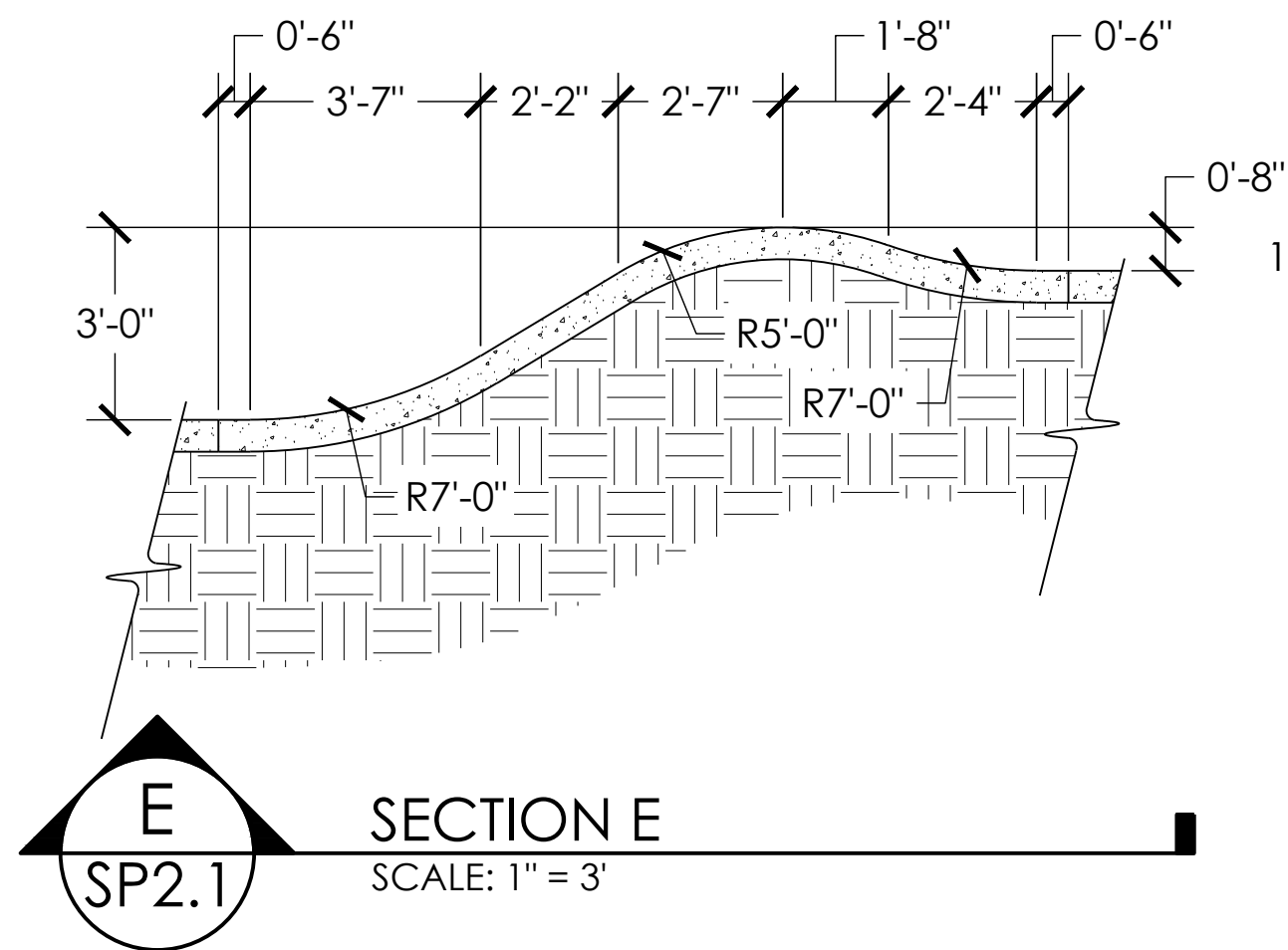
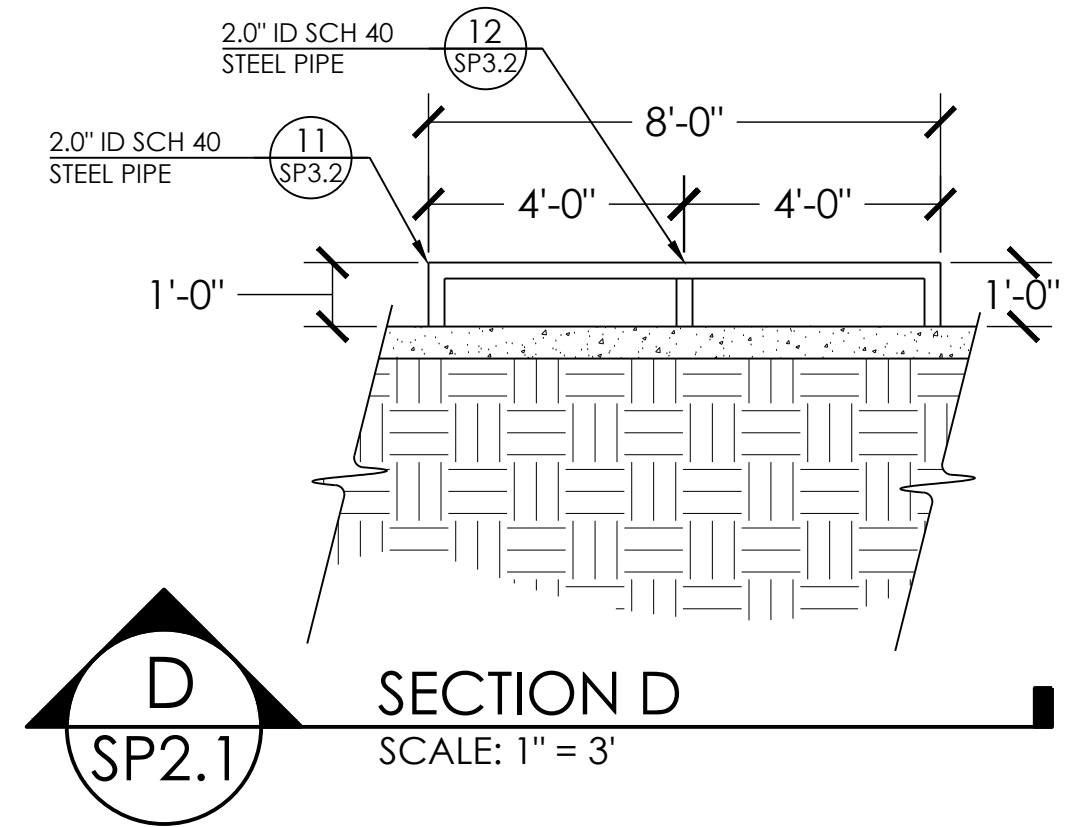
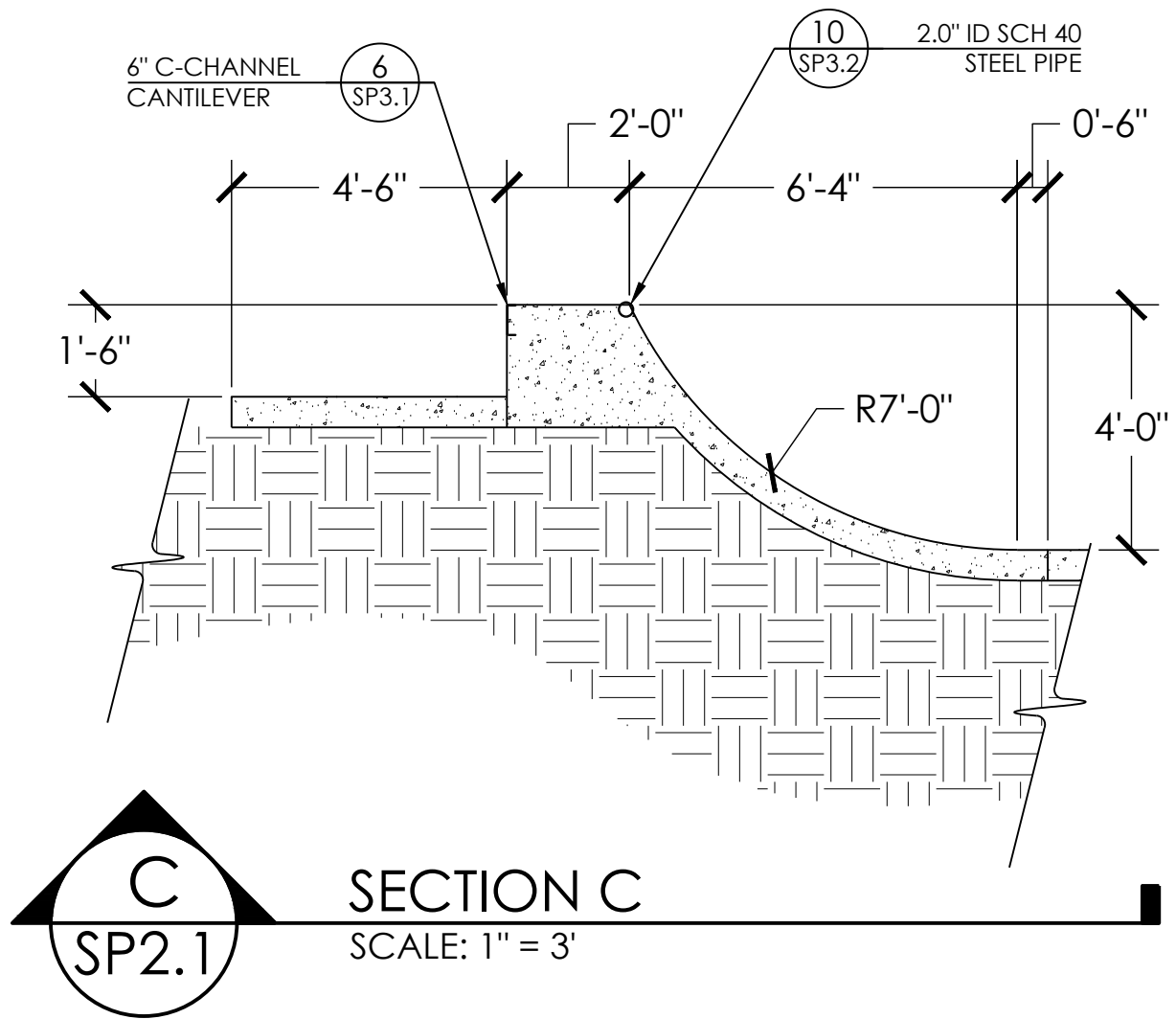
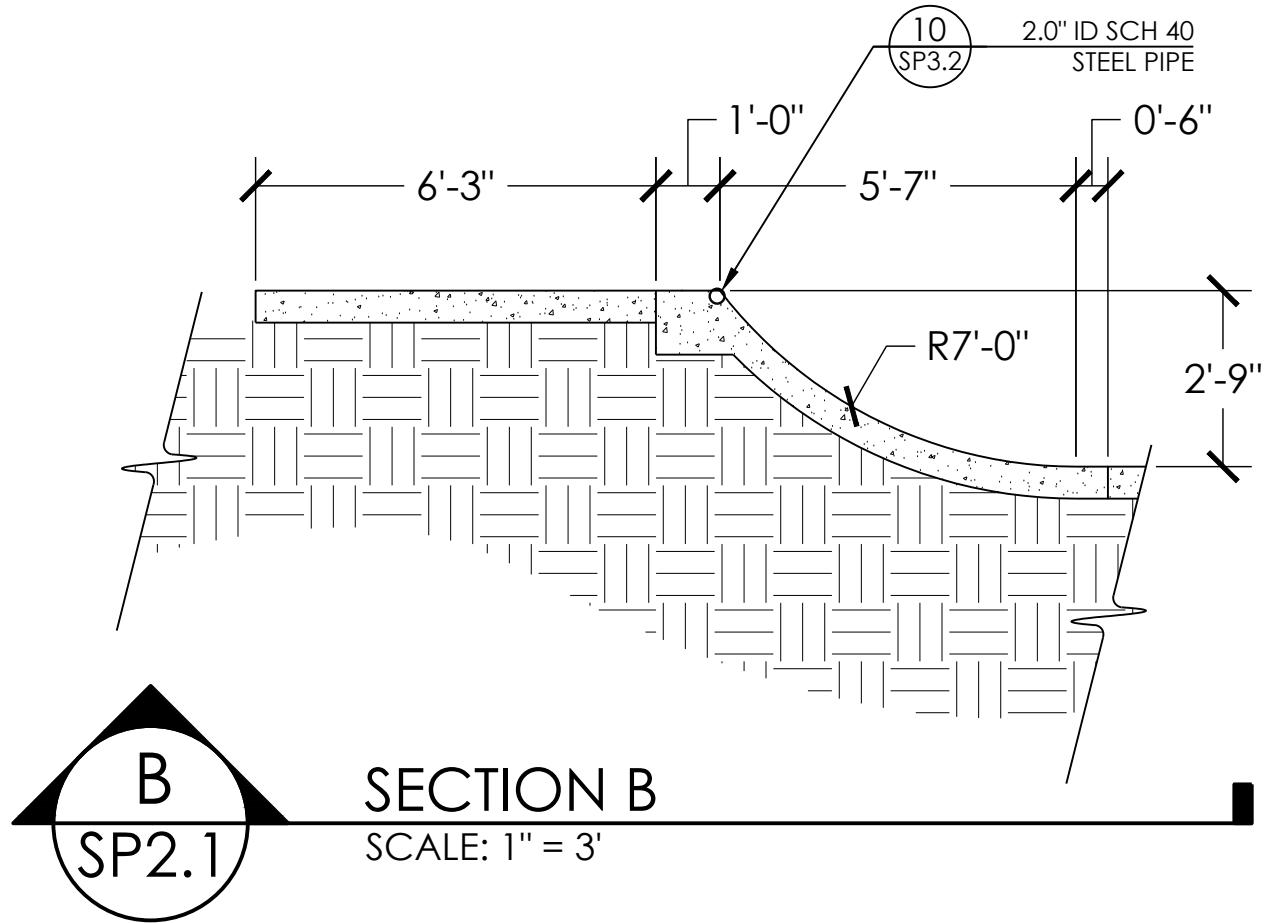
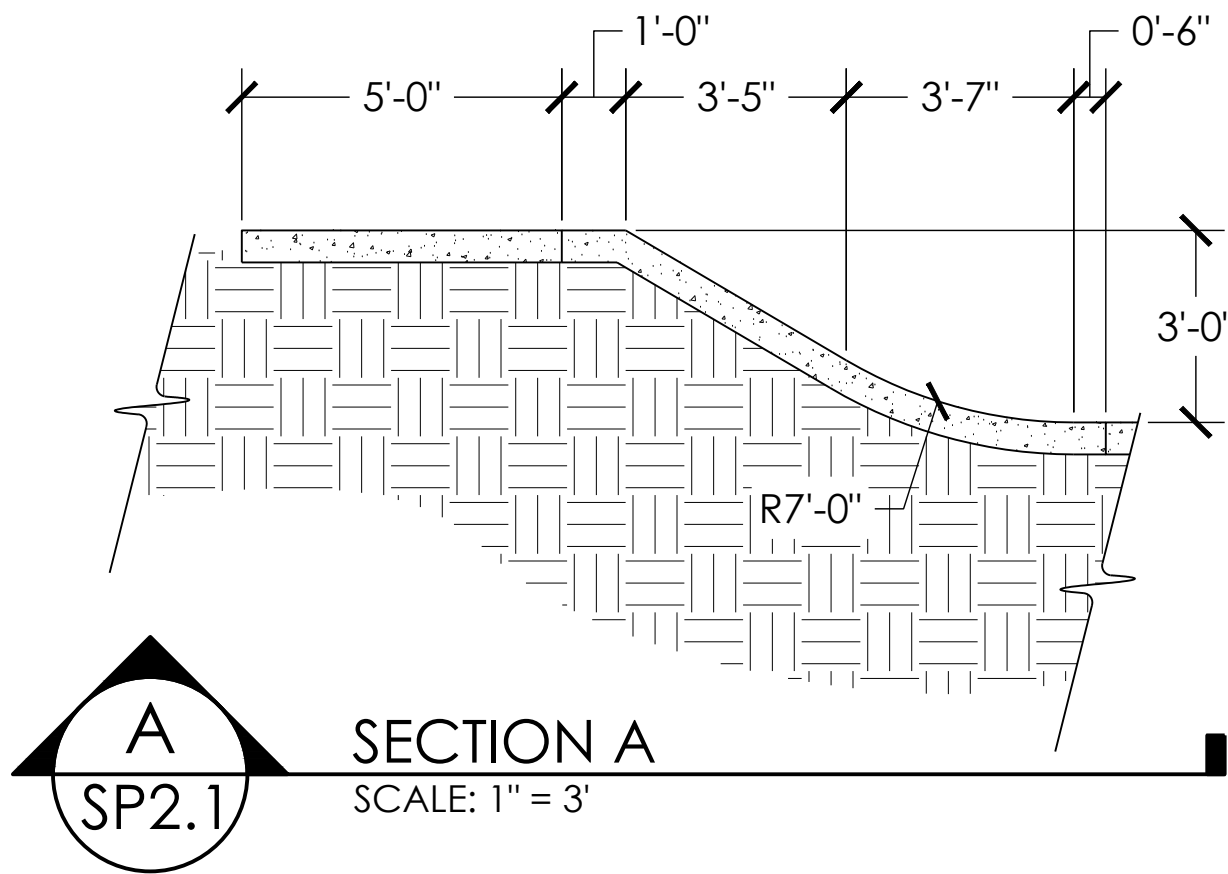
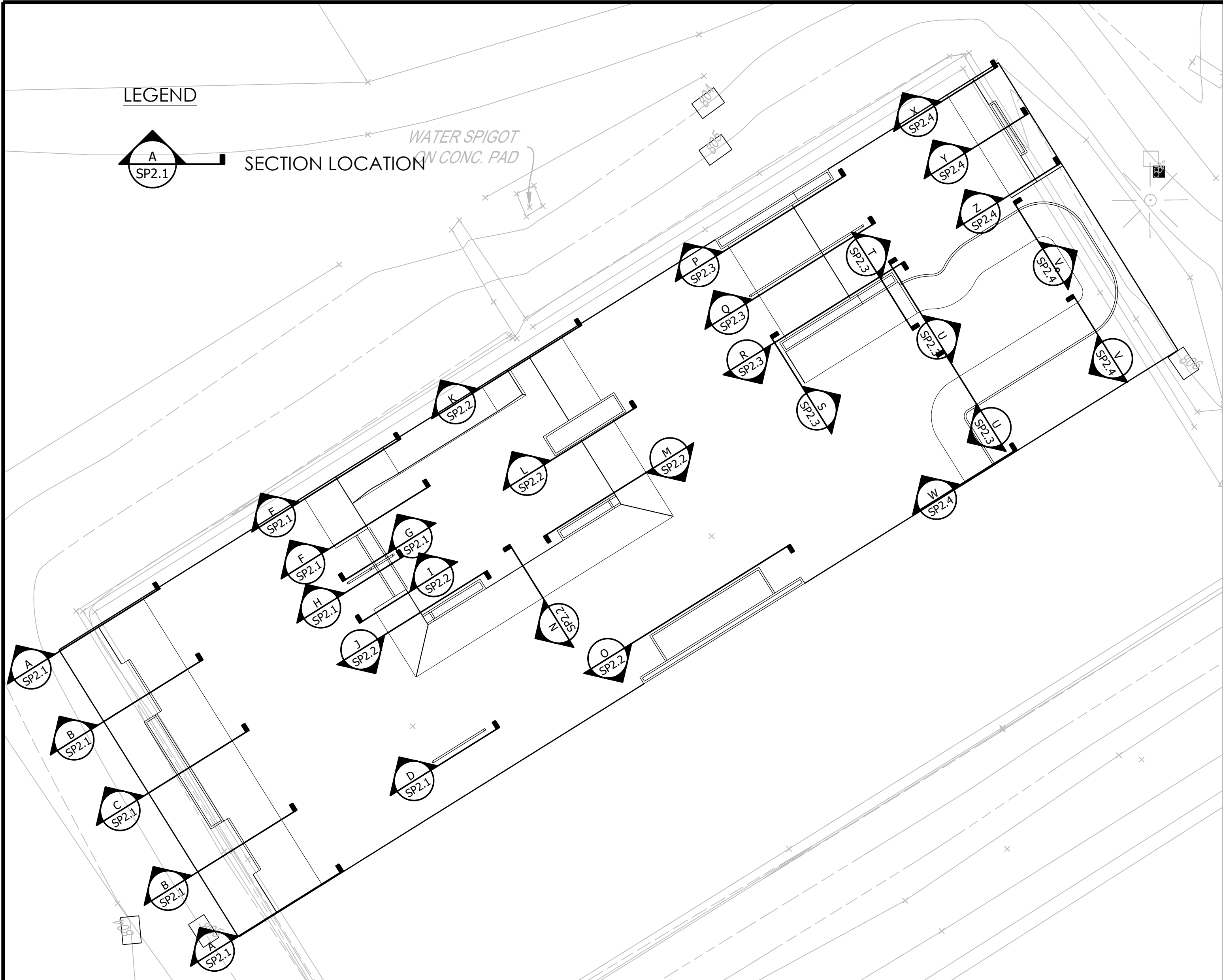
DRAWN BY: BAJ
CHECKED BY: MBF



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SCALE:
1" = 3'

SECTIONS AND KEY

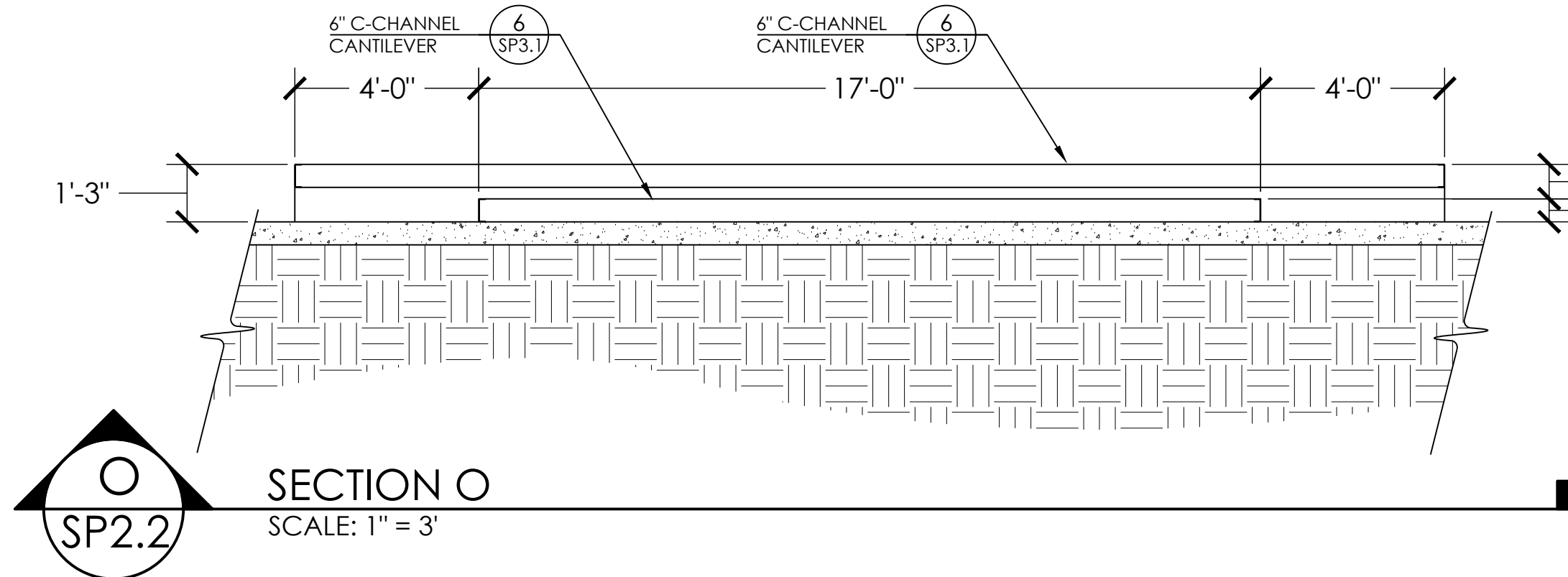
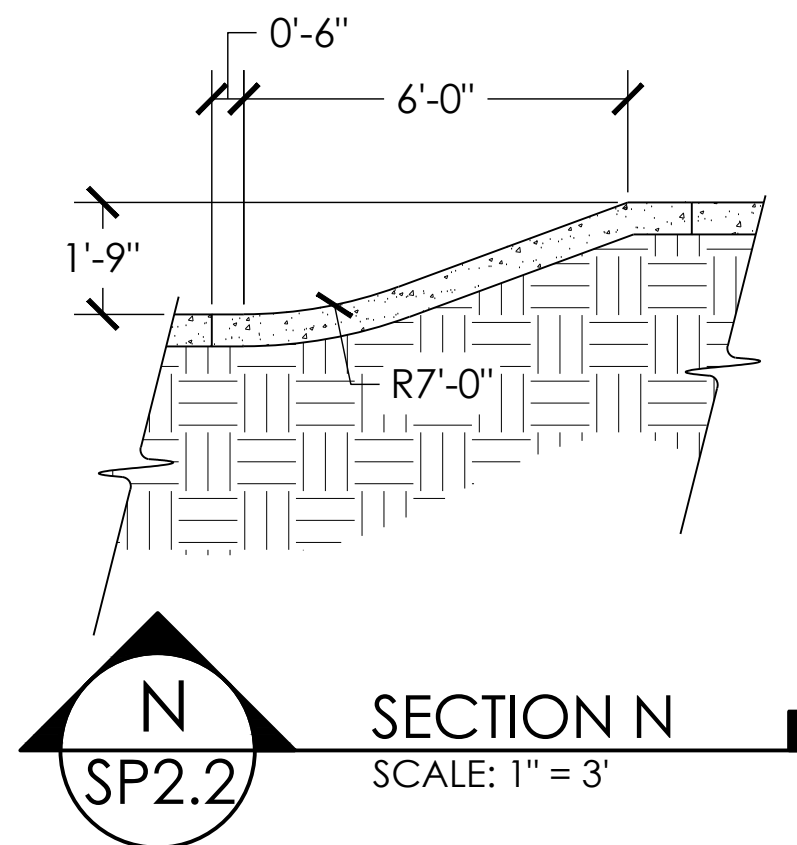
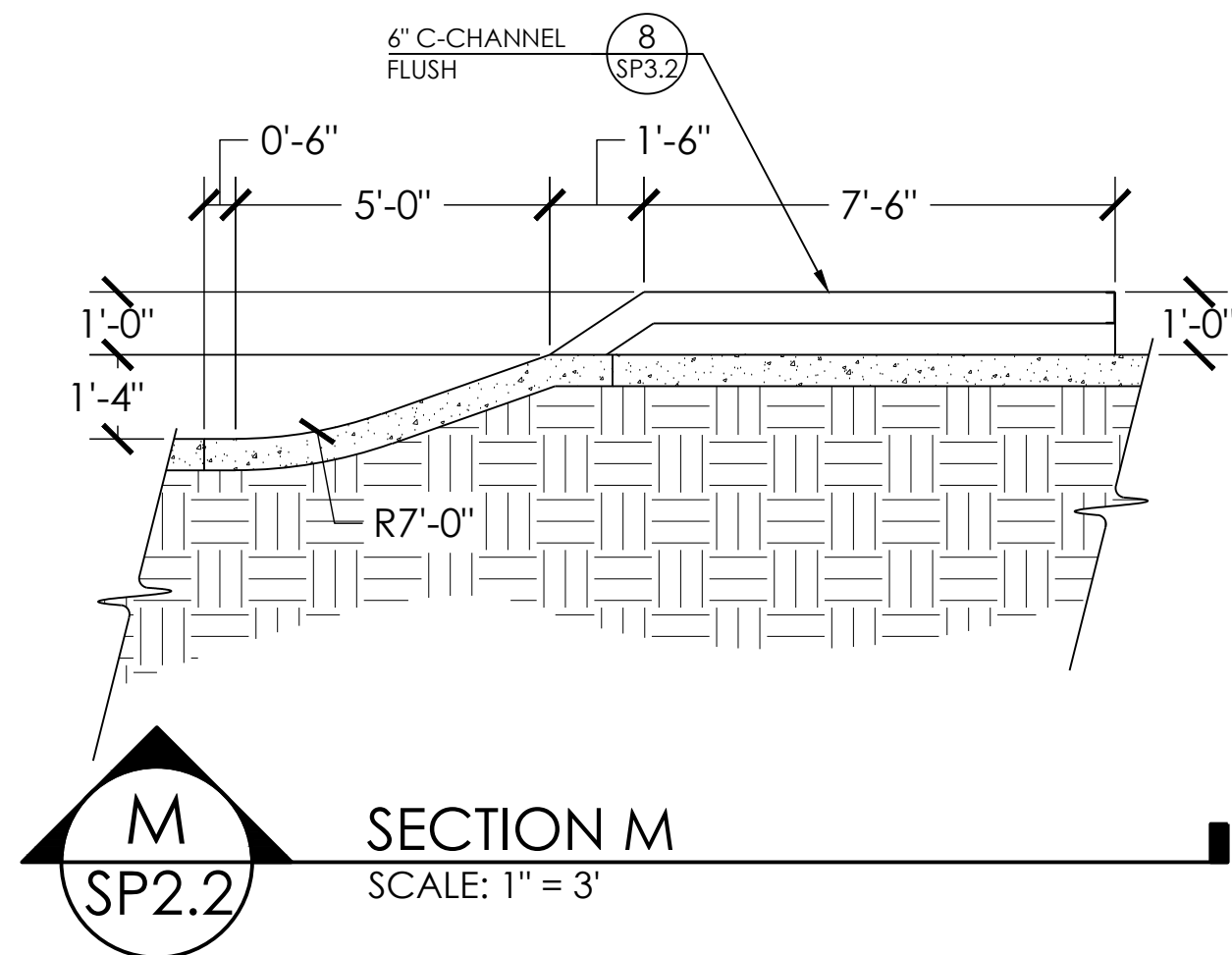
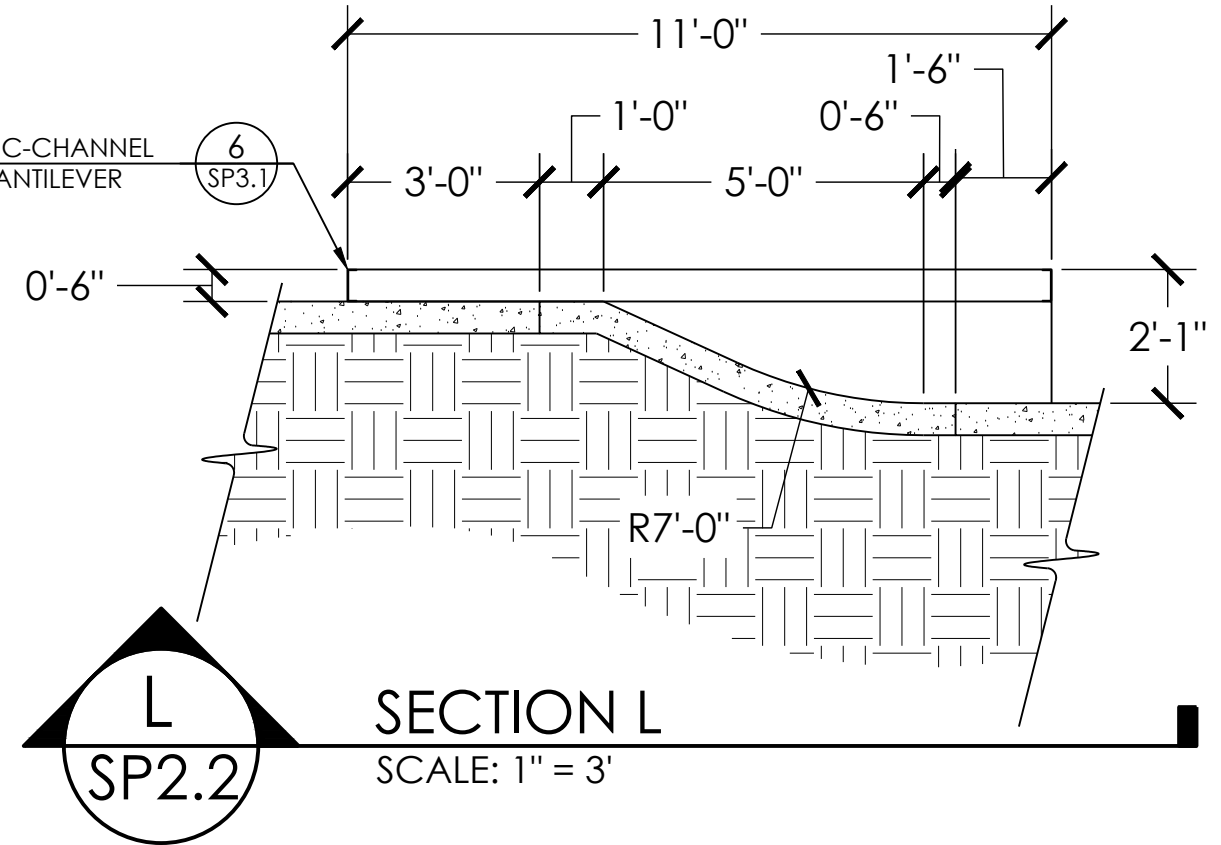
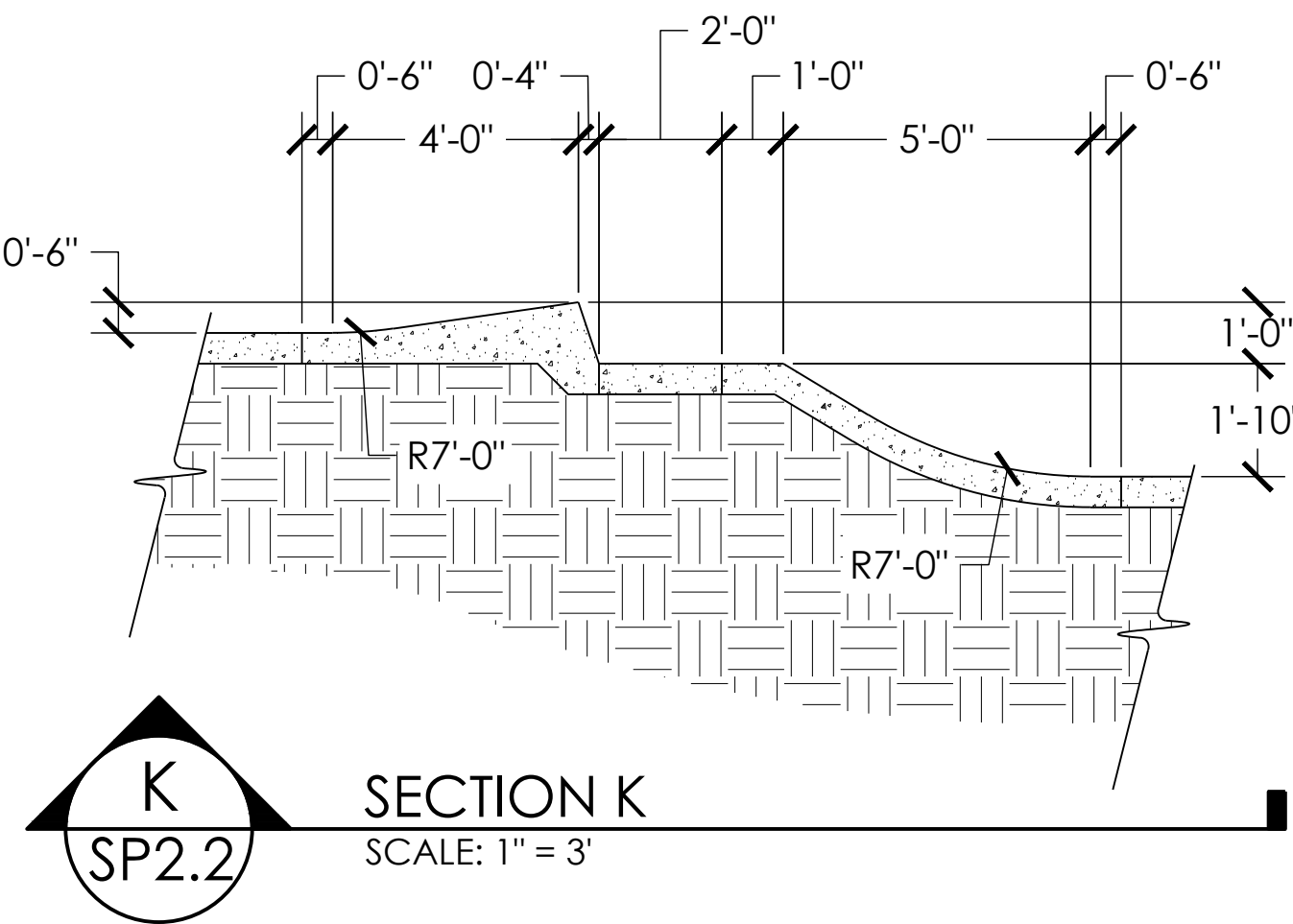
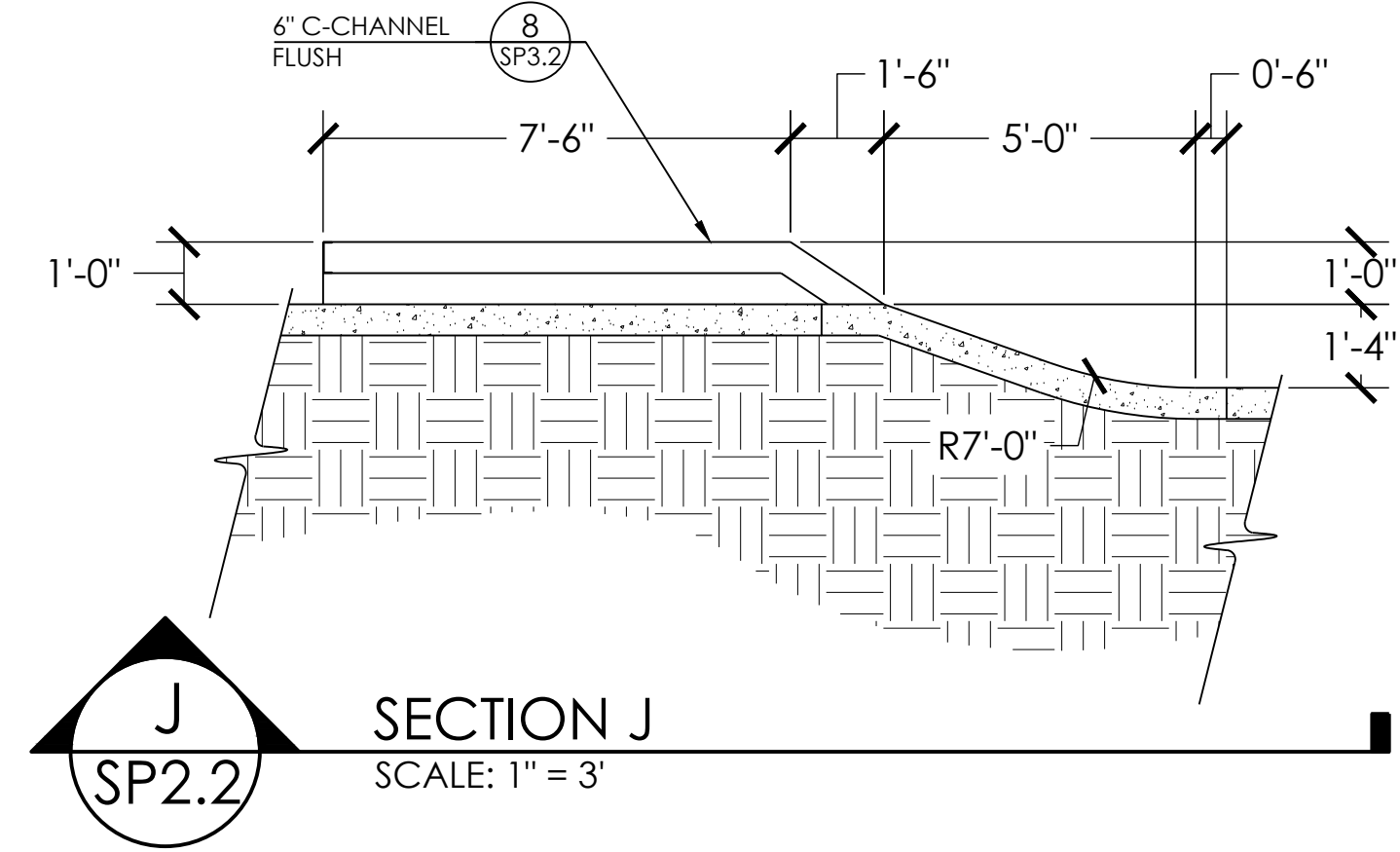
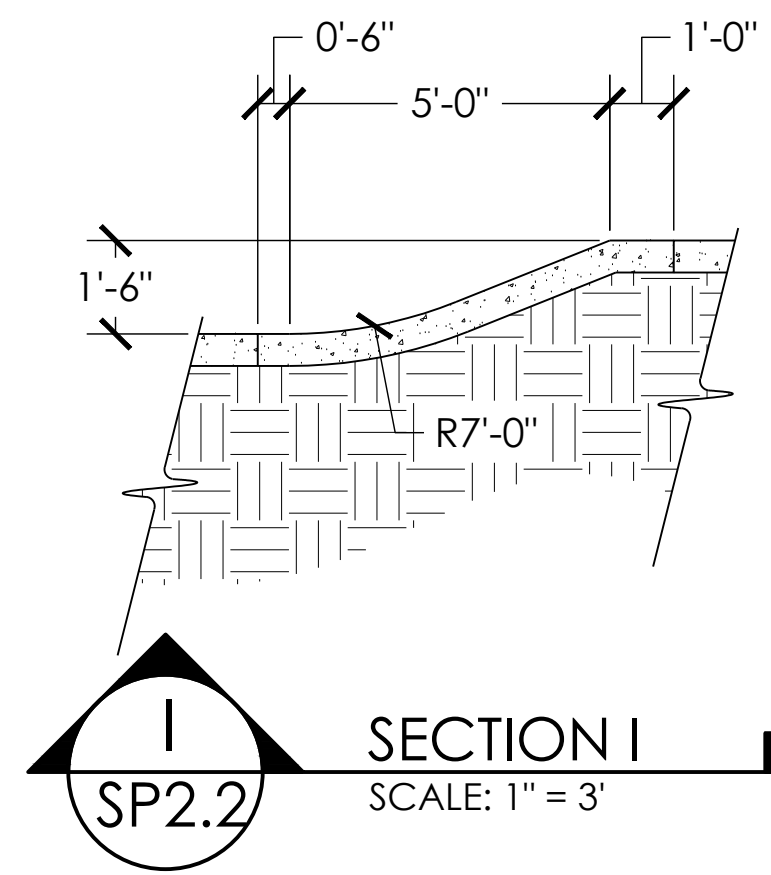
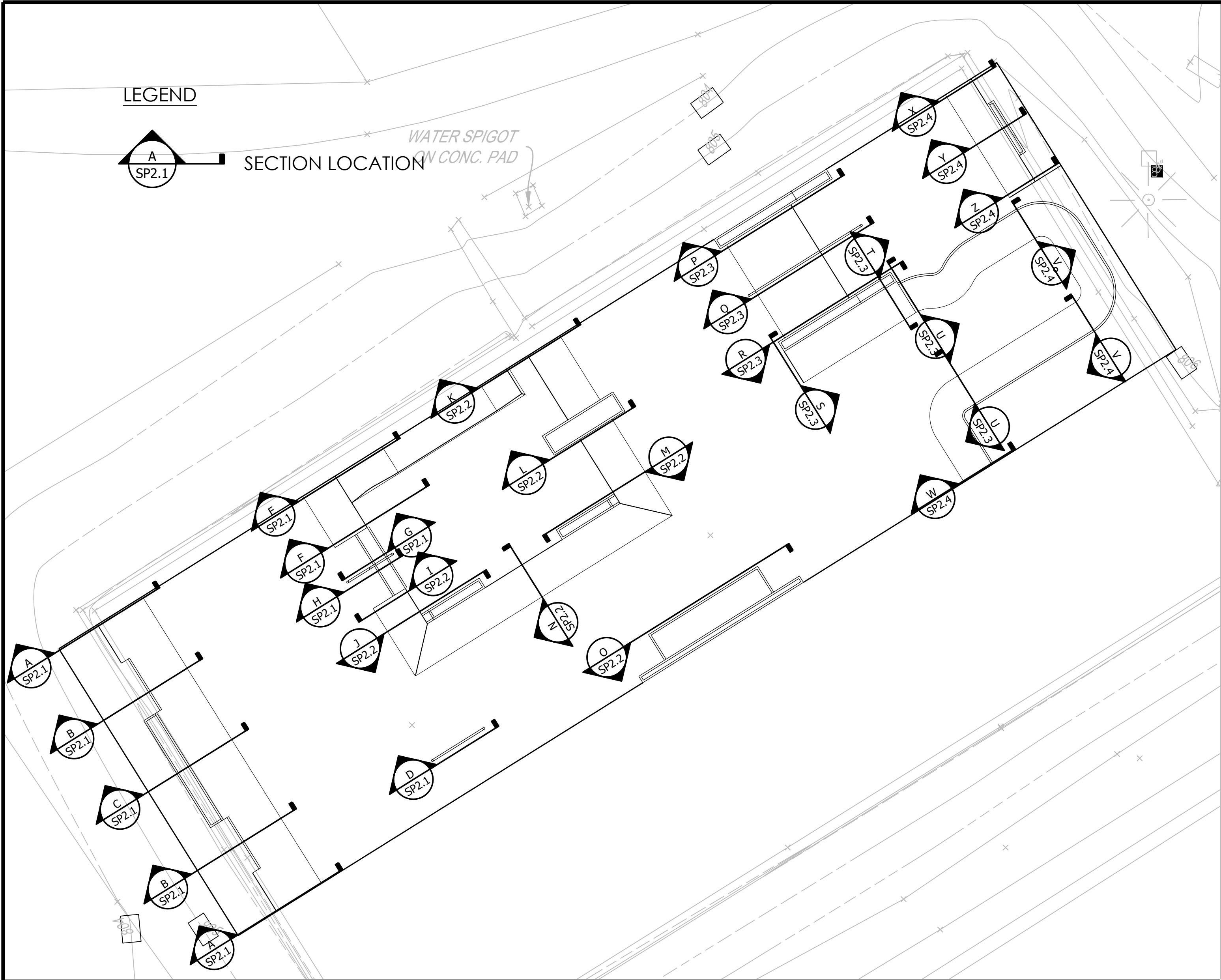
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP2.1

DATE: 02.22.23

DRAWN BY: BAJ
CHECKED BY: MBF

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SCALE:
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SECTIONS AND KEY

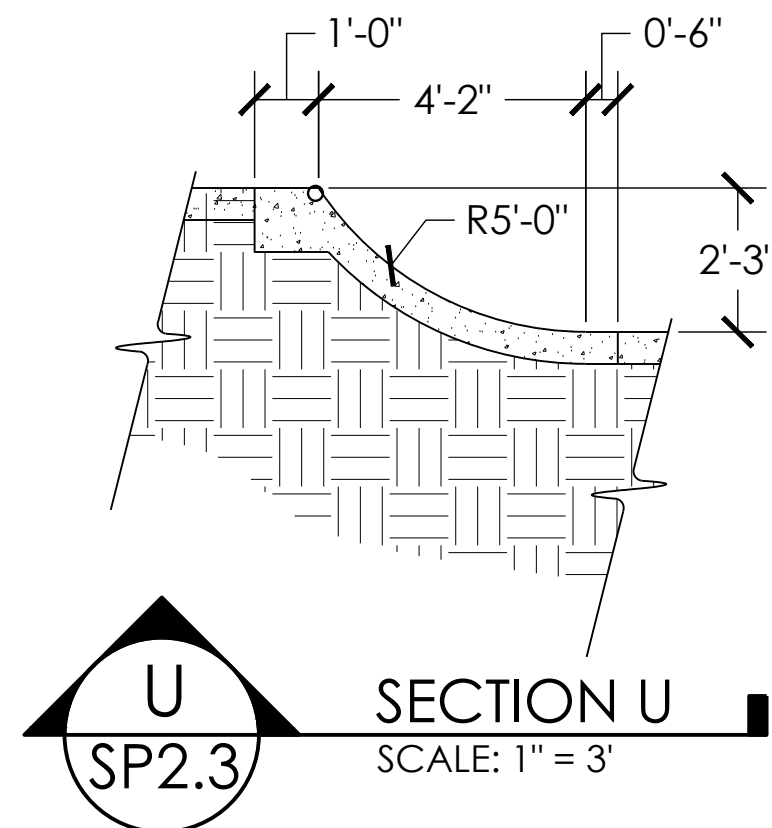
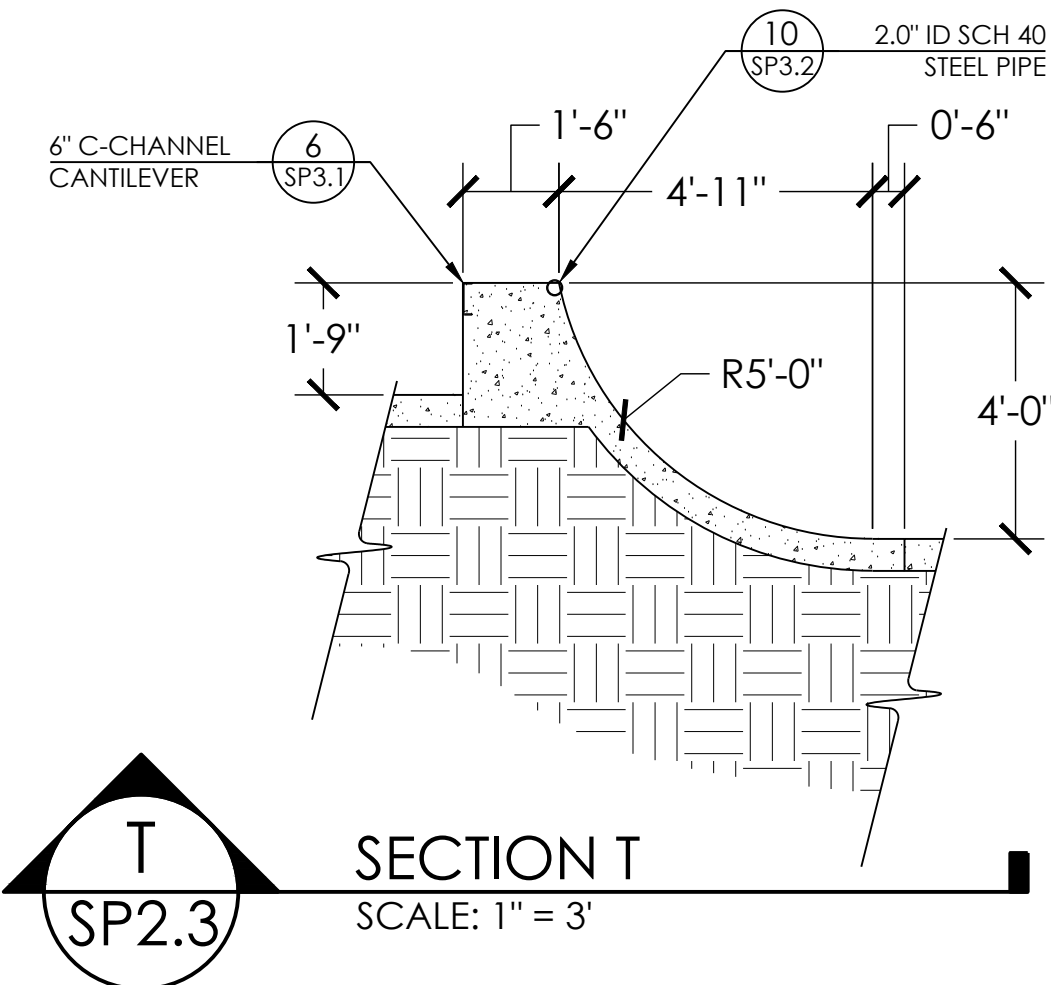
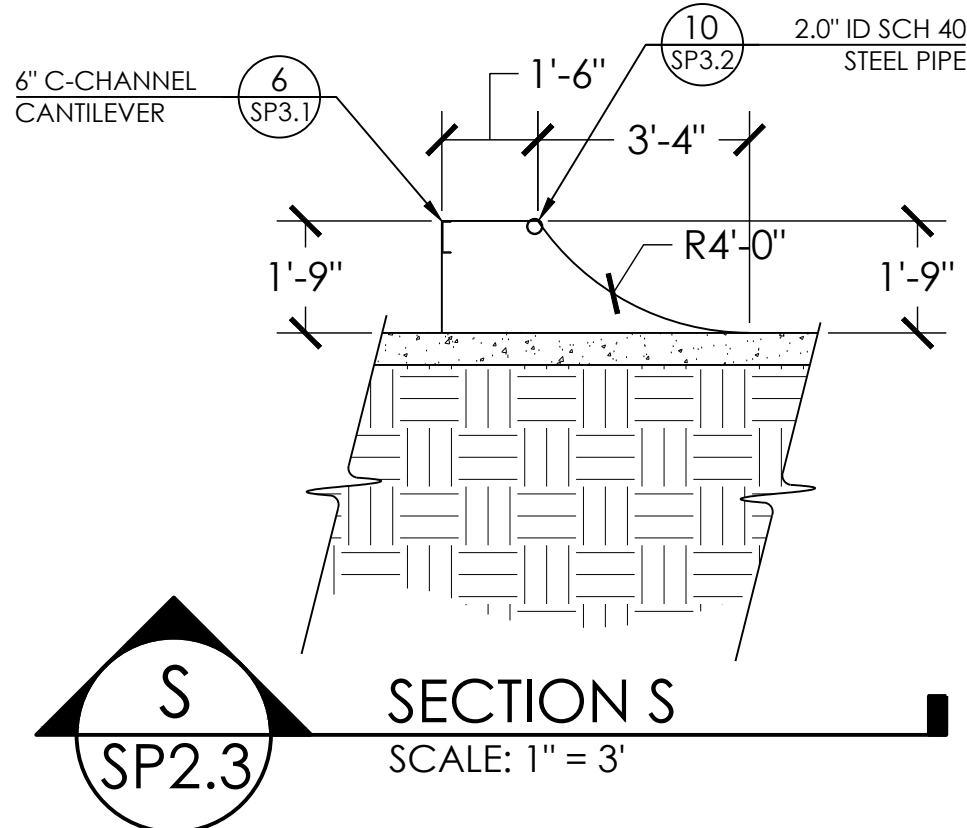
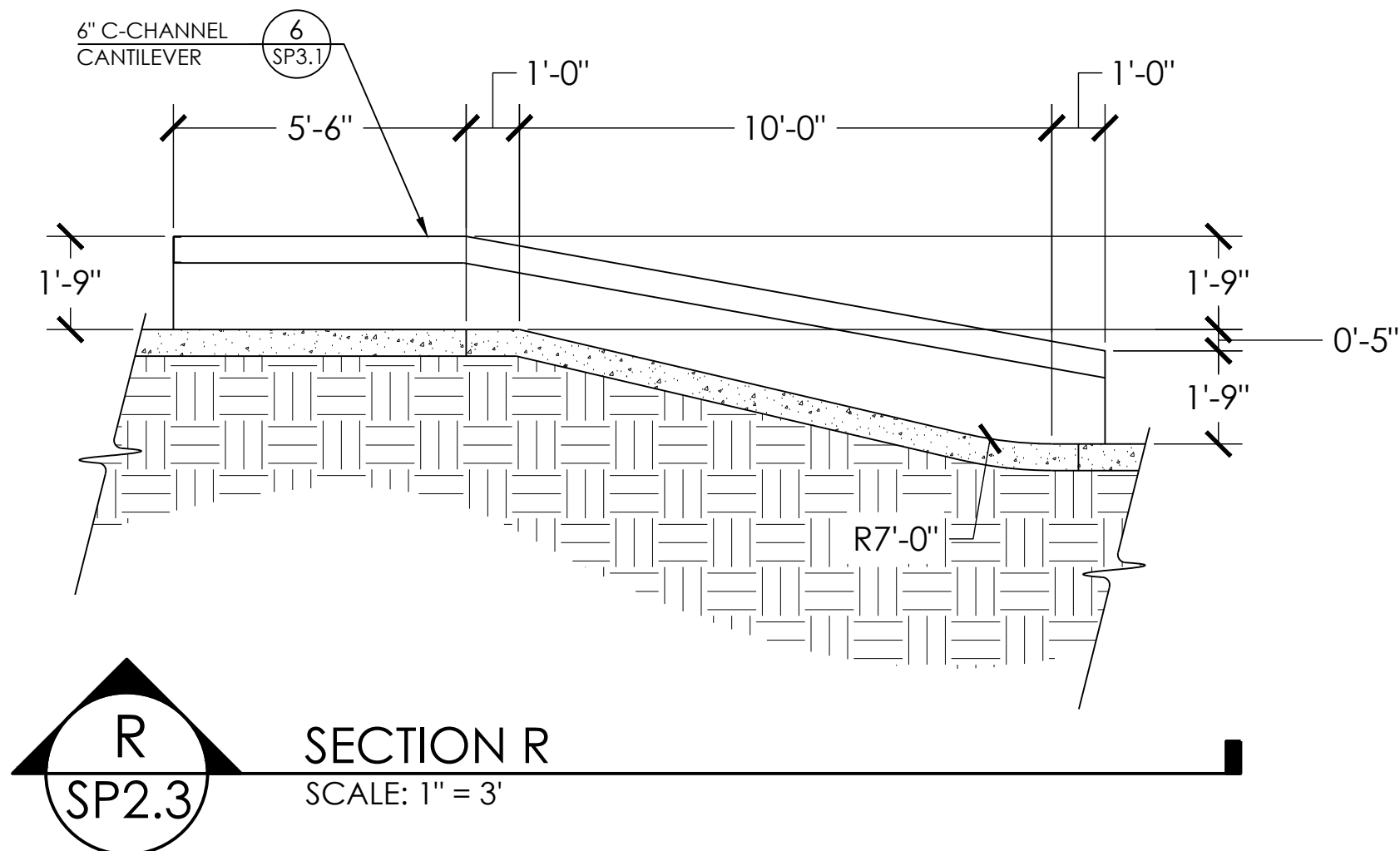
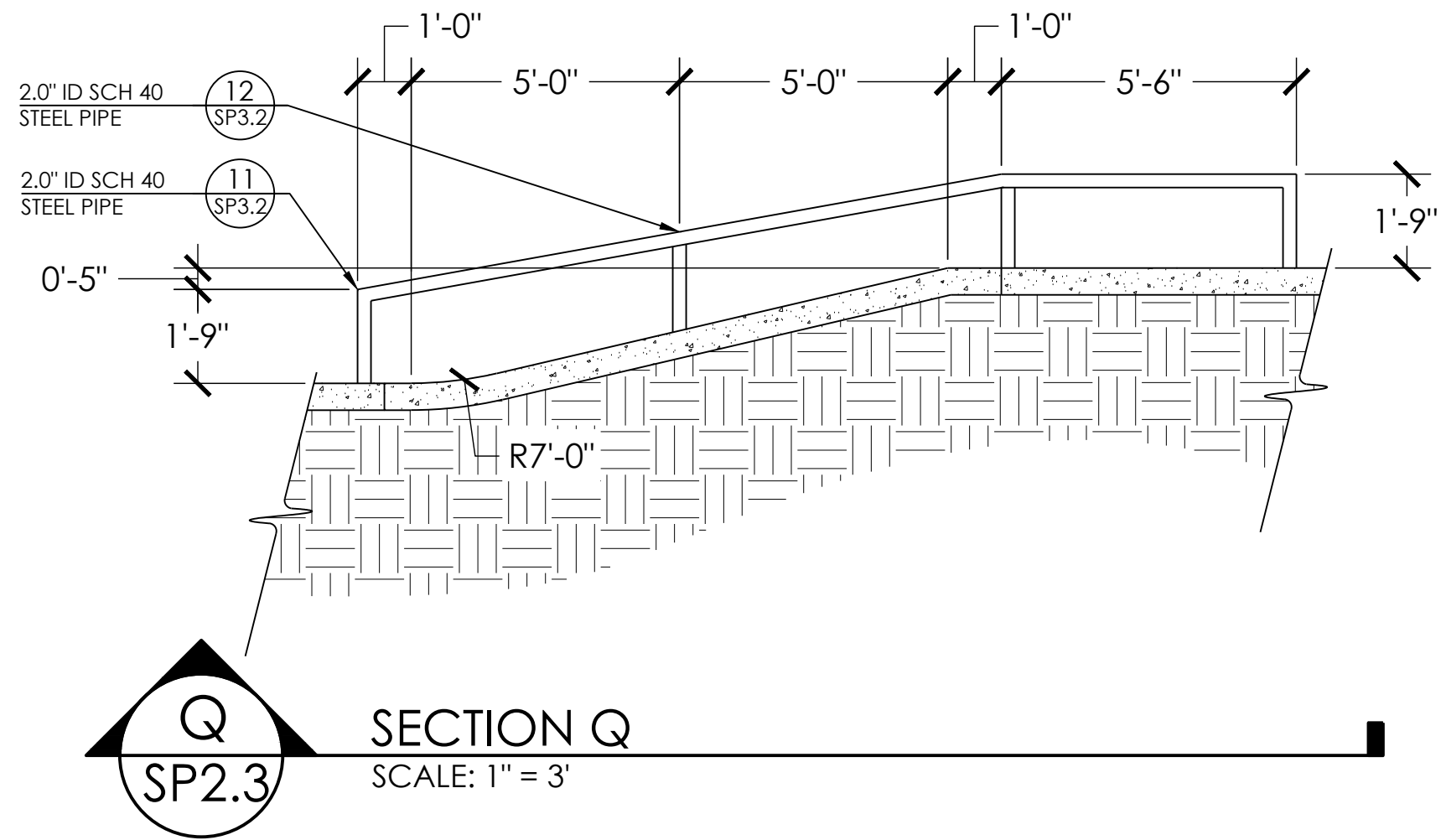
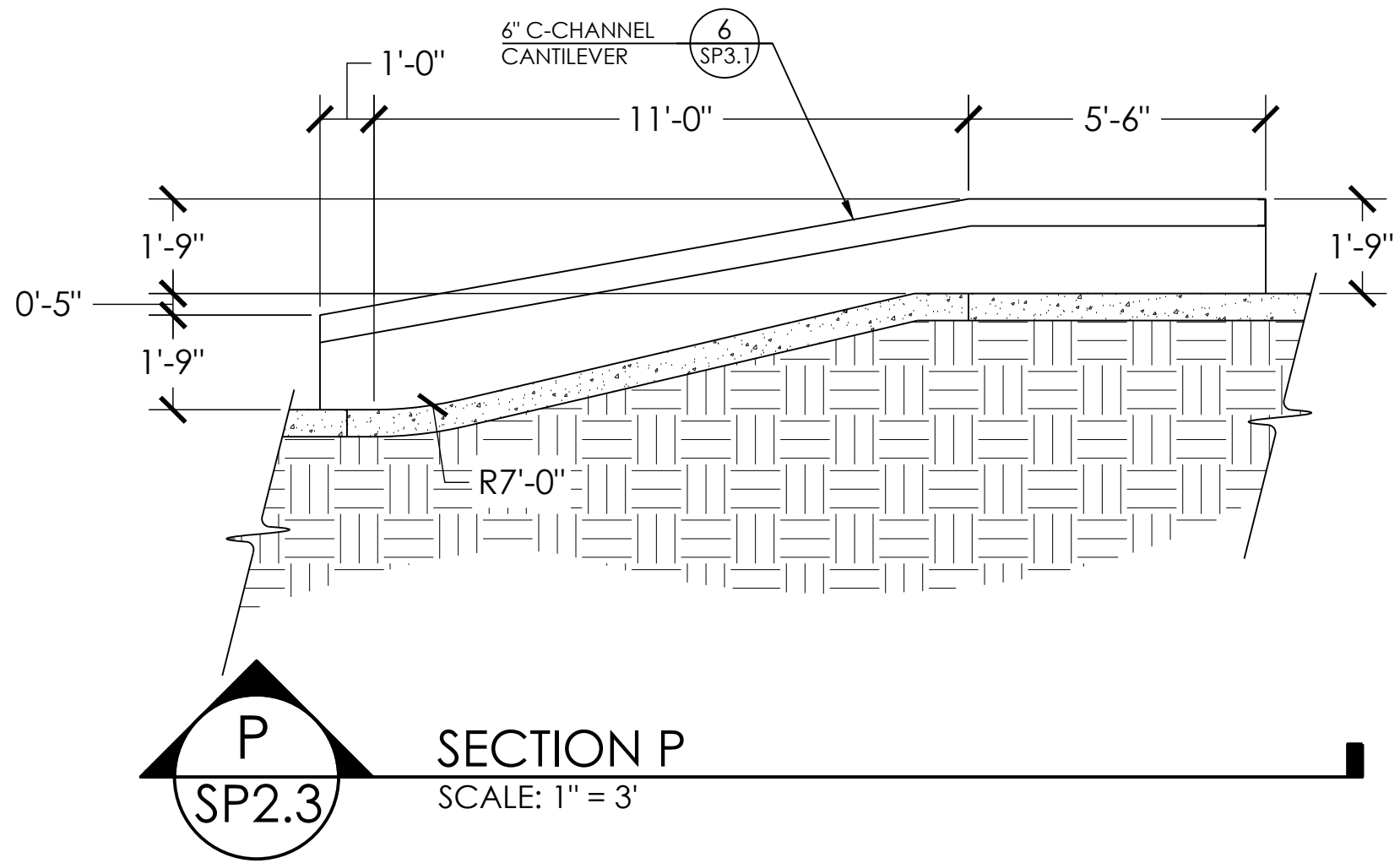
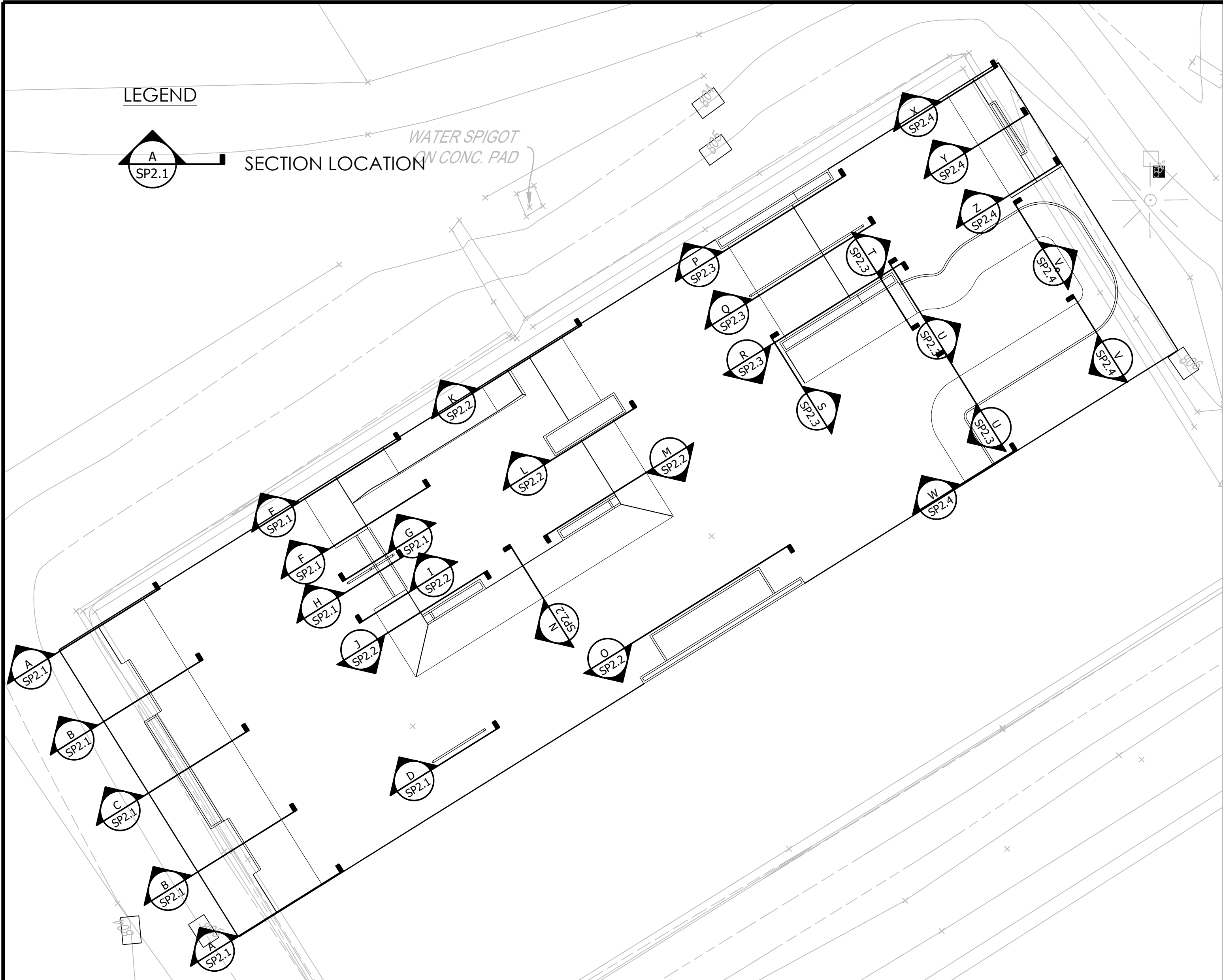
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP2.2

DATE: 02.22.23

DRAWN BY: BAJ
CHECKED BY: MBF

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SCALE:
1" = 3'

SECTIONS AND KEY

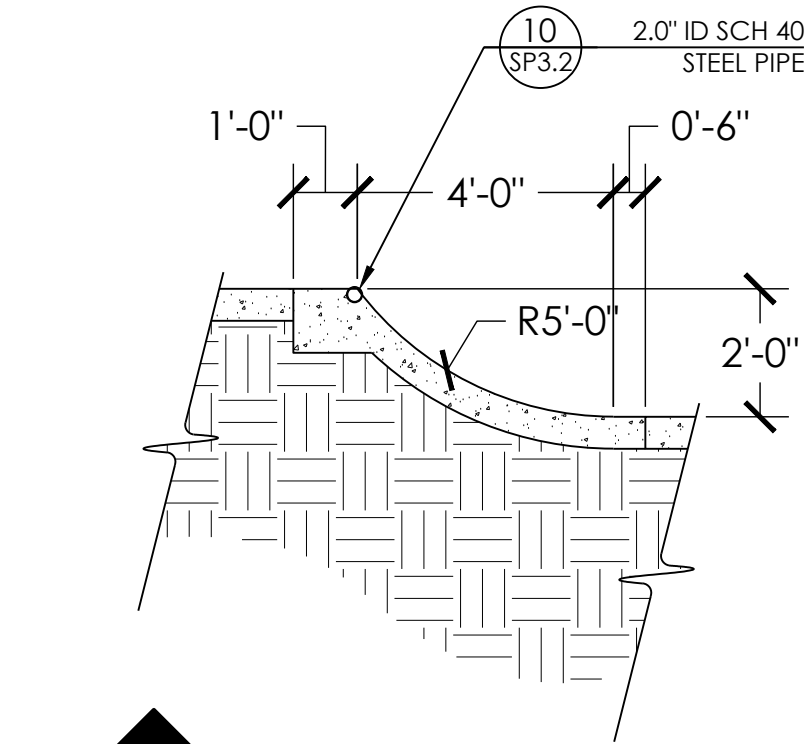
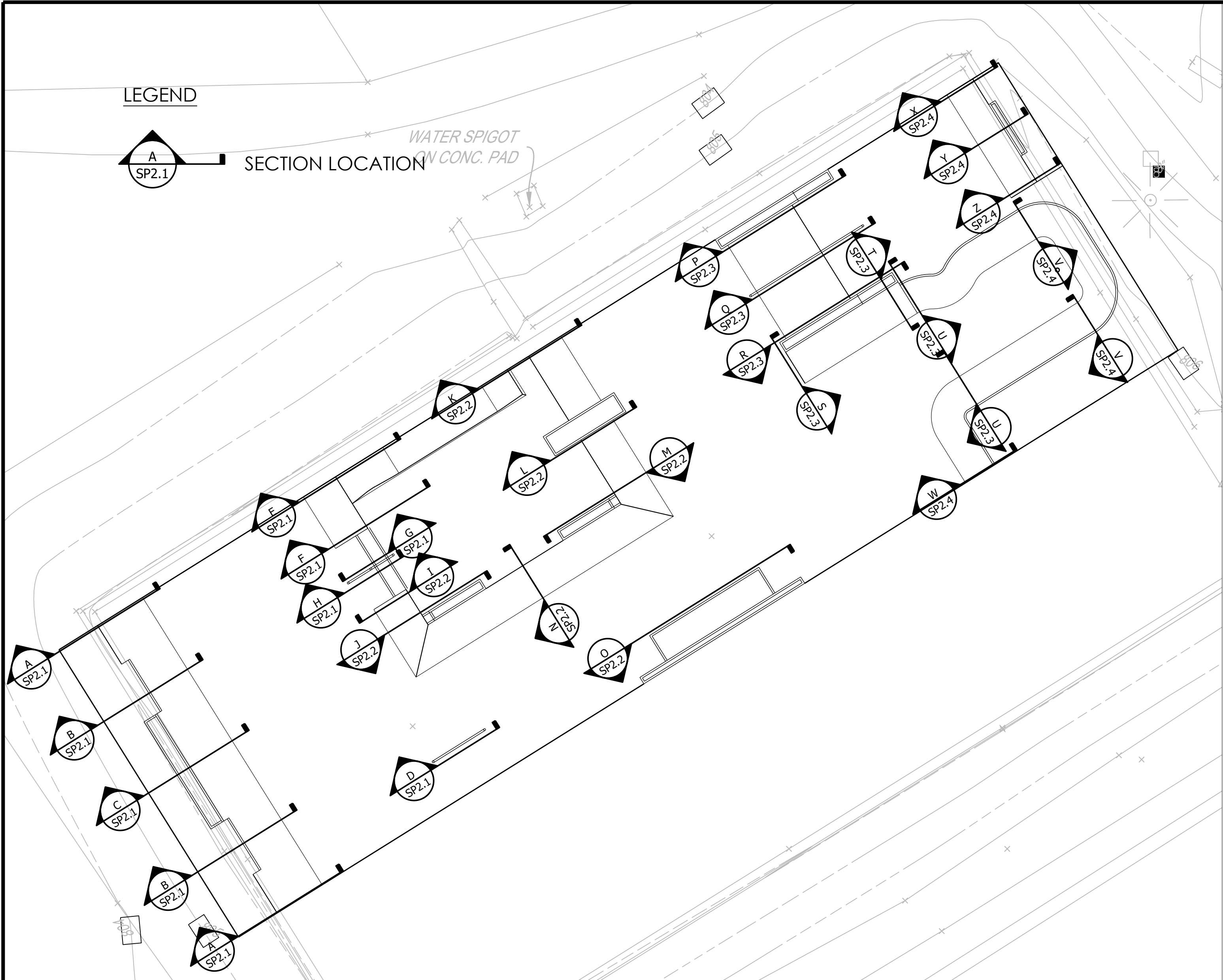
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP2.3

DATE: 02.22.23

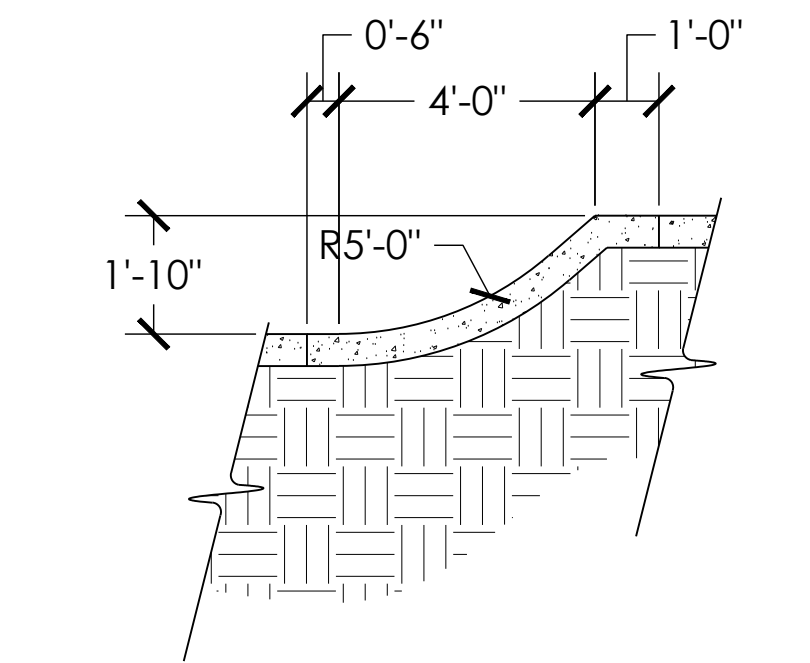
DRAWN BY: BAJ
CHECKED BY: MBF

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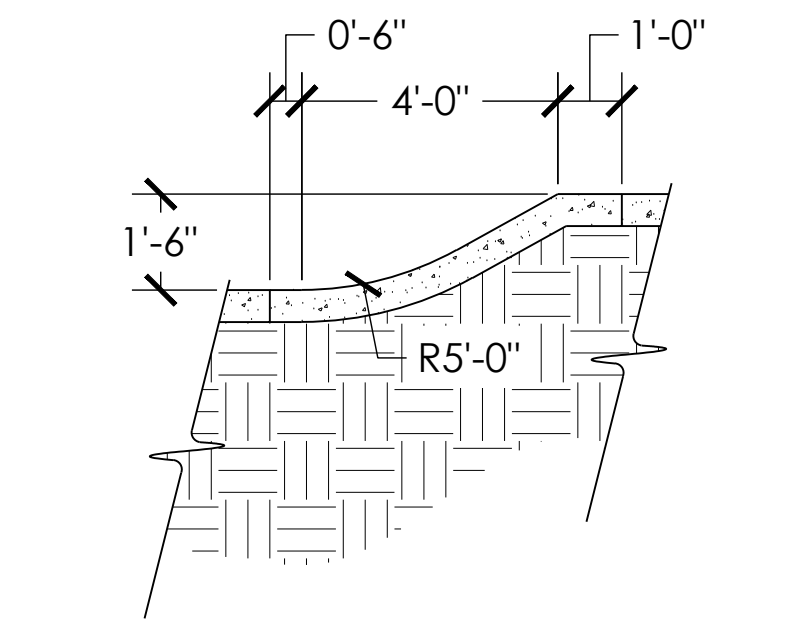
V
SP2.4

SECTION V
SCALE: 1" = 3'



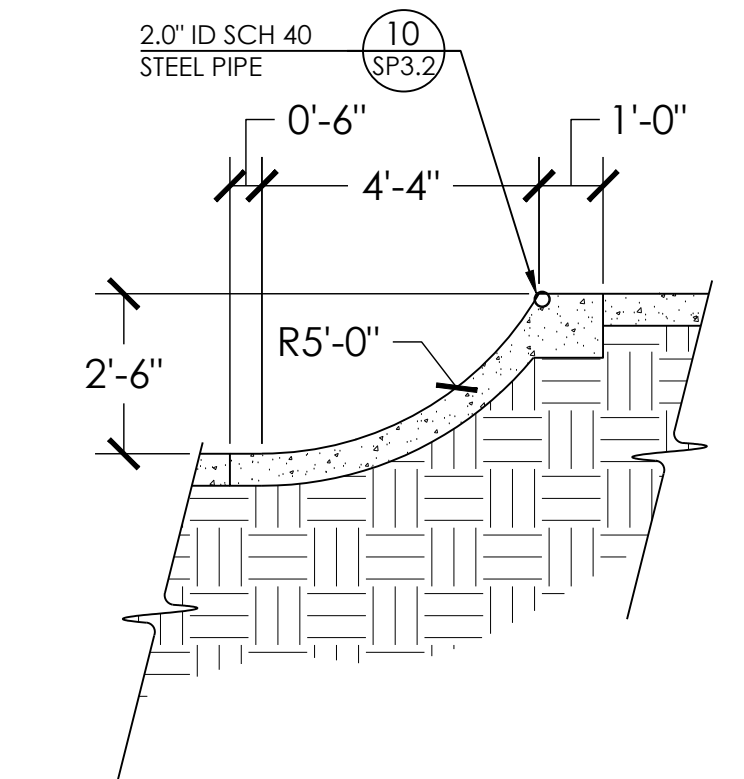
X
SP2.4

SECTION X
SCALE: 1" = 3'



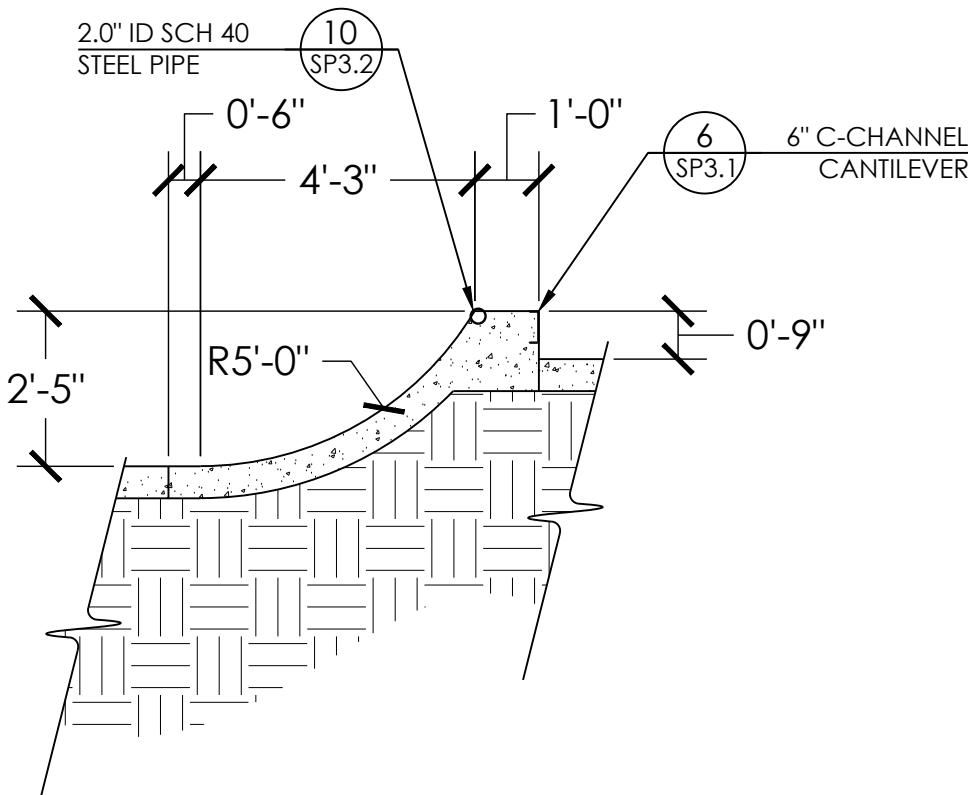
Z
SP2.4

SECTION Z
SCALE: 1" = 3'



W
SP2.4

SECTION W
SCALE: 1" = 3'



Y
SP2.4

SECTION Y
SCALE: 1" = 3'



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SCALE:
1" = 3'

SECTIONS AND KEY

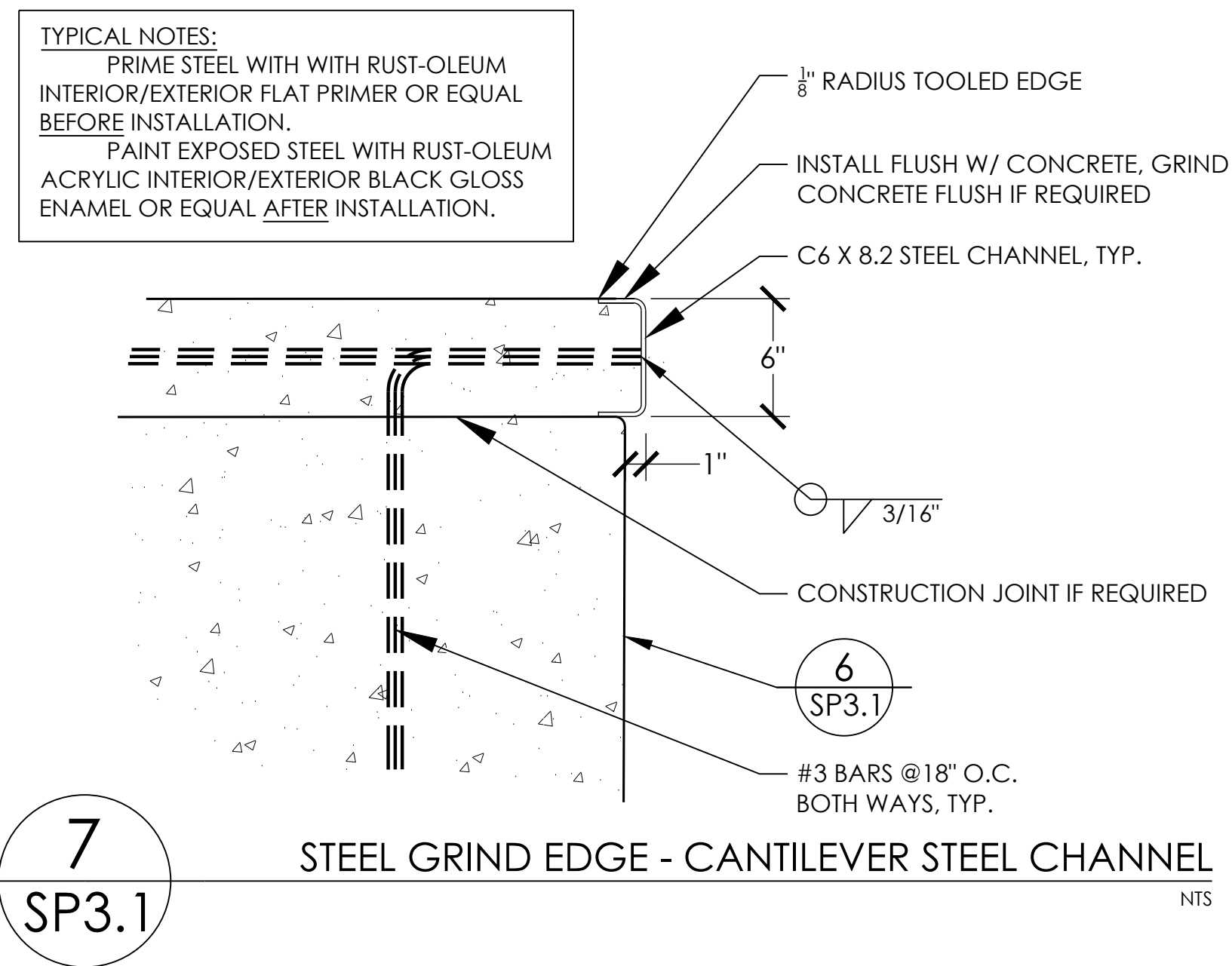
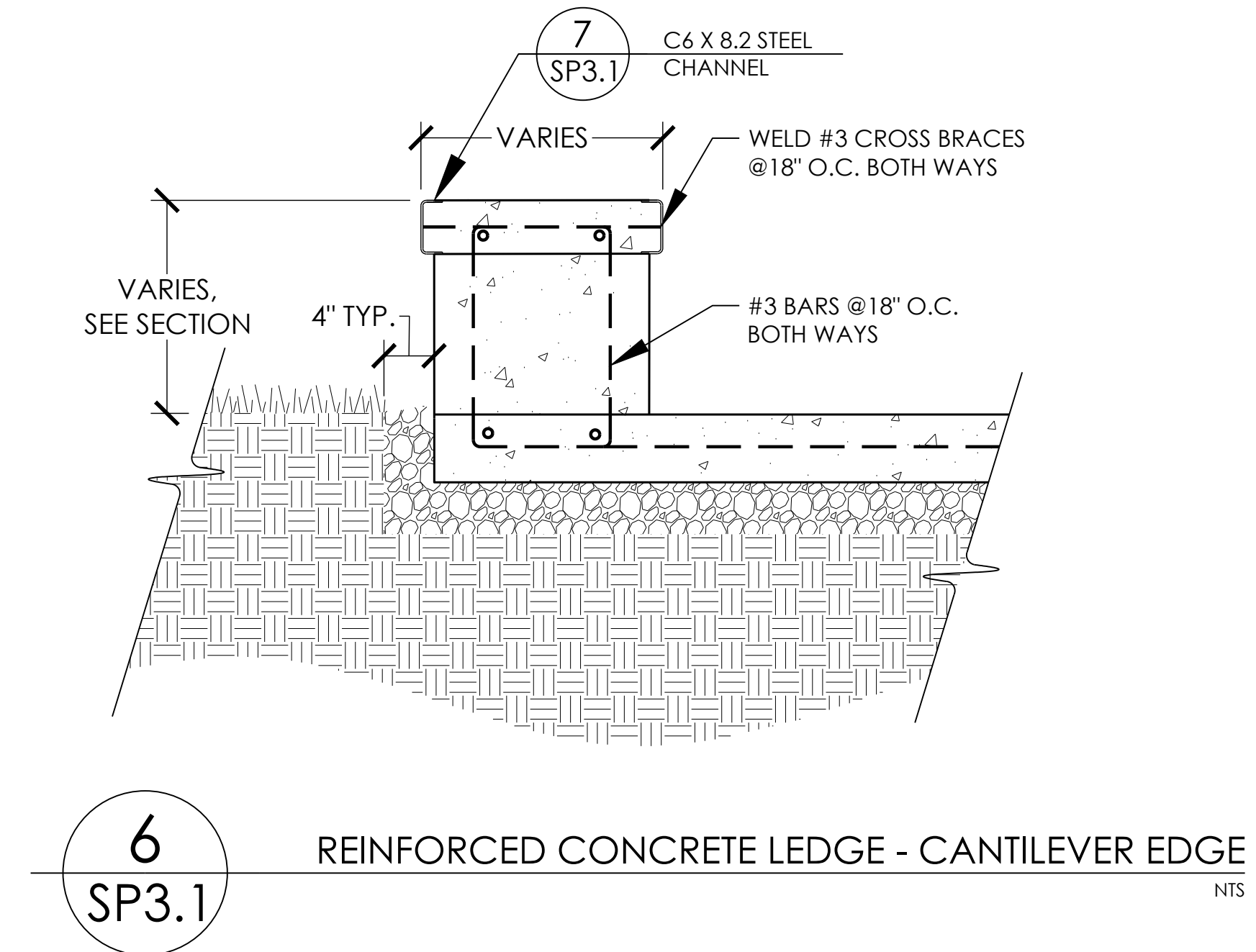
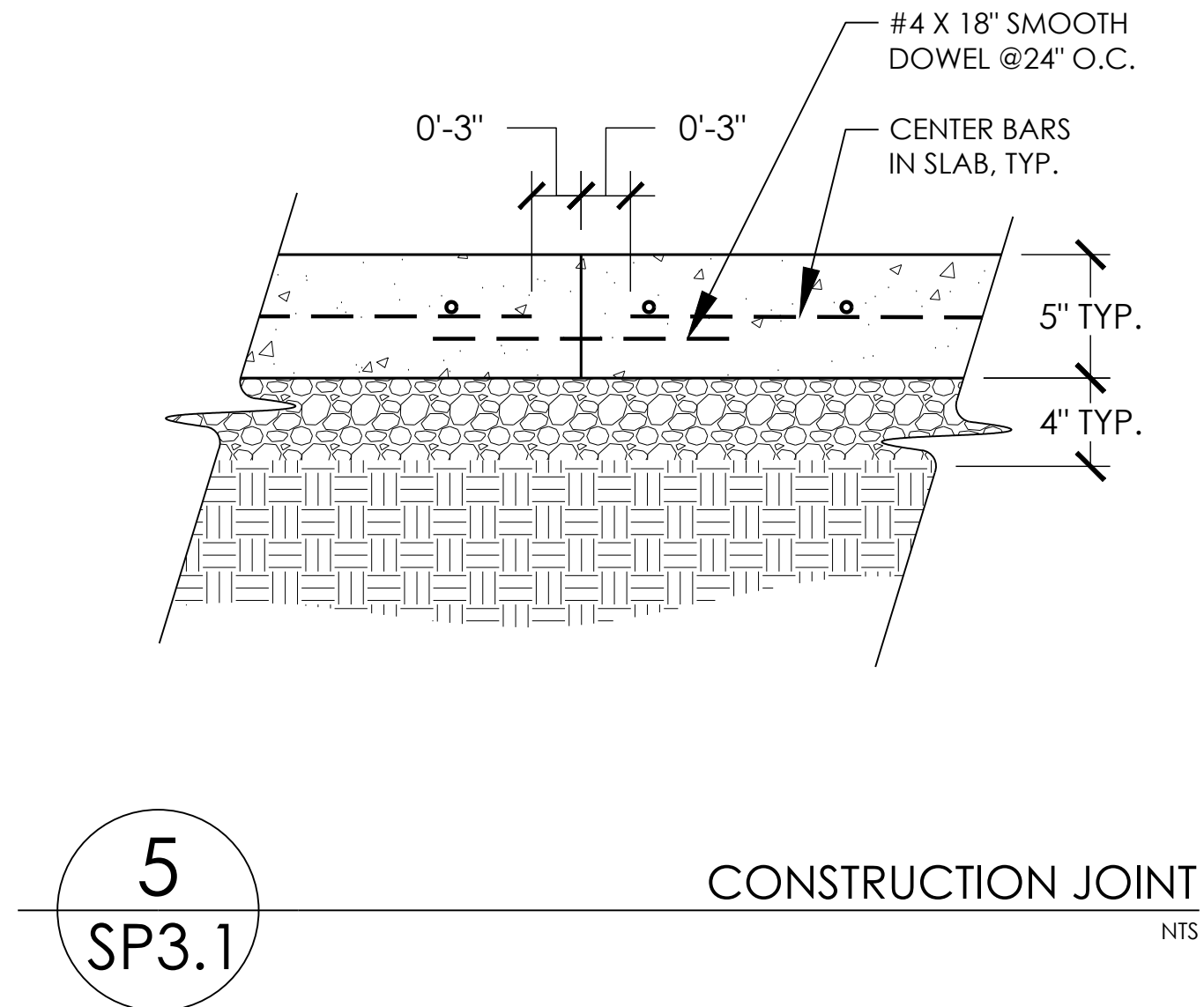
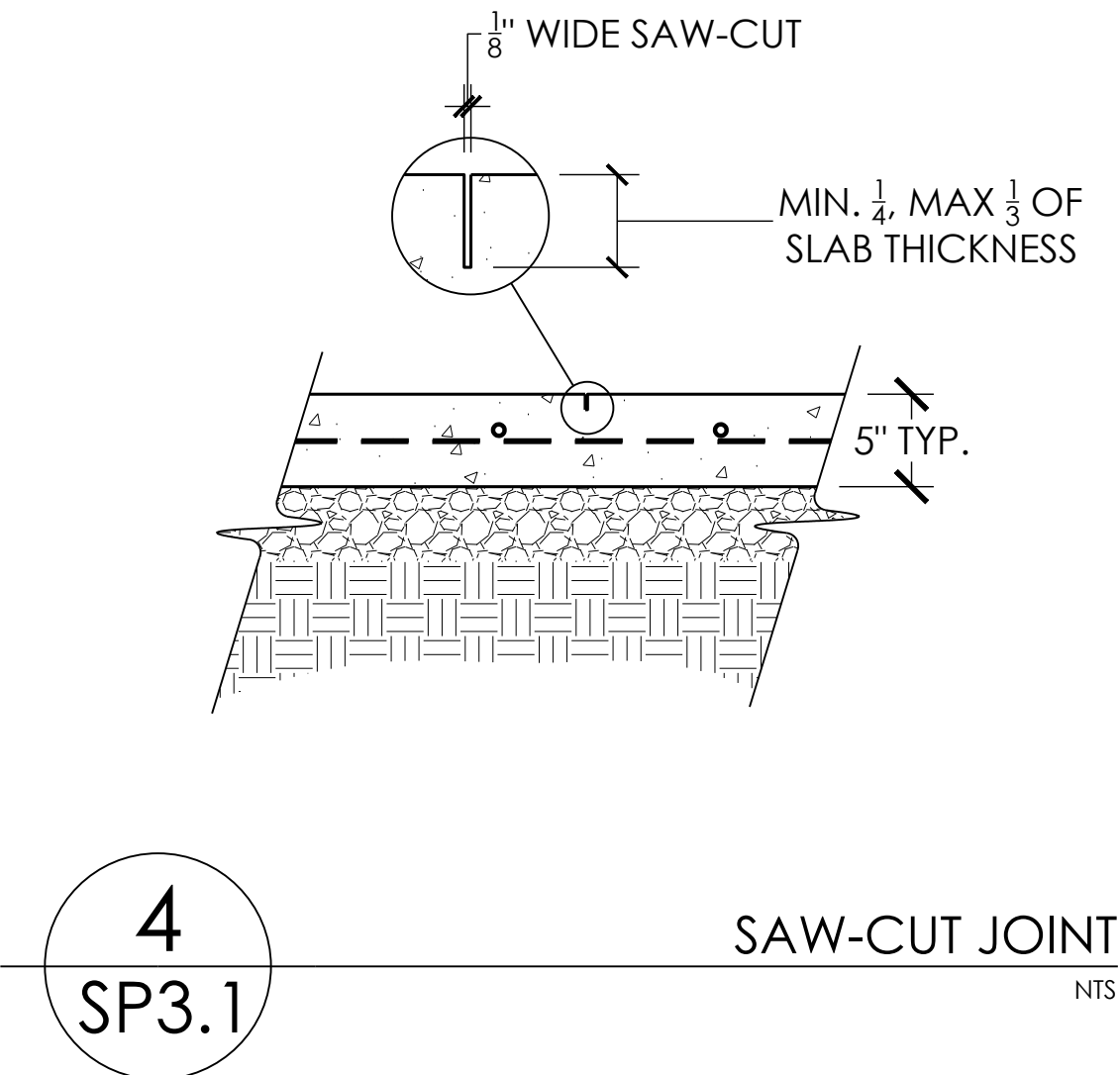
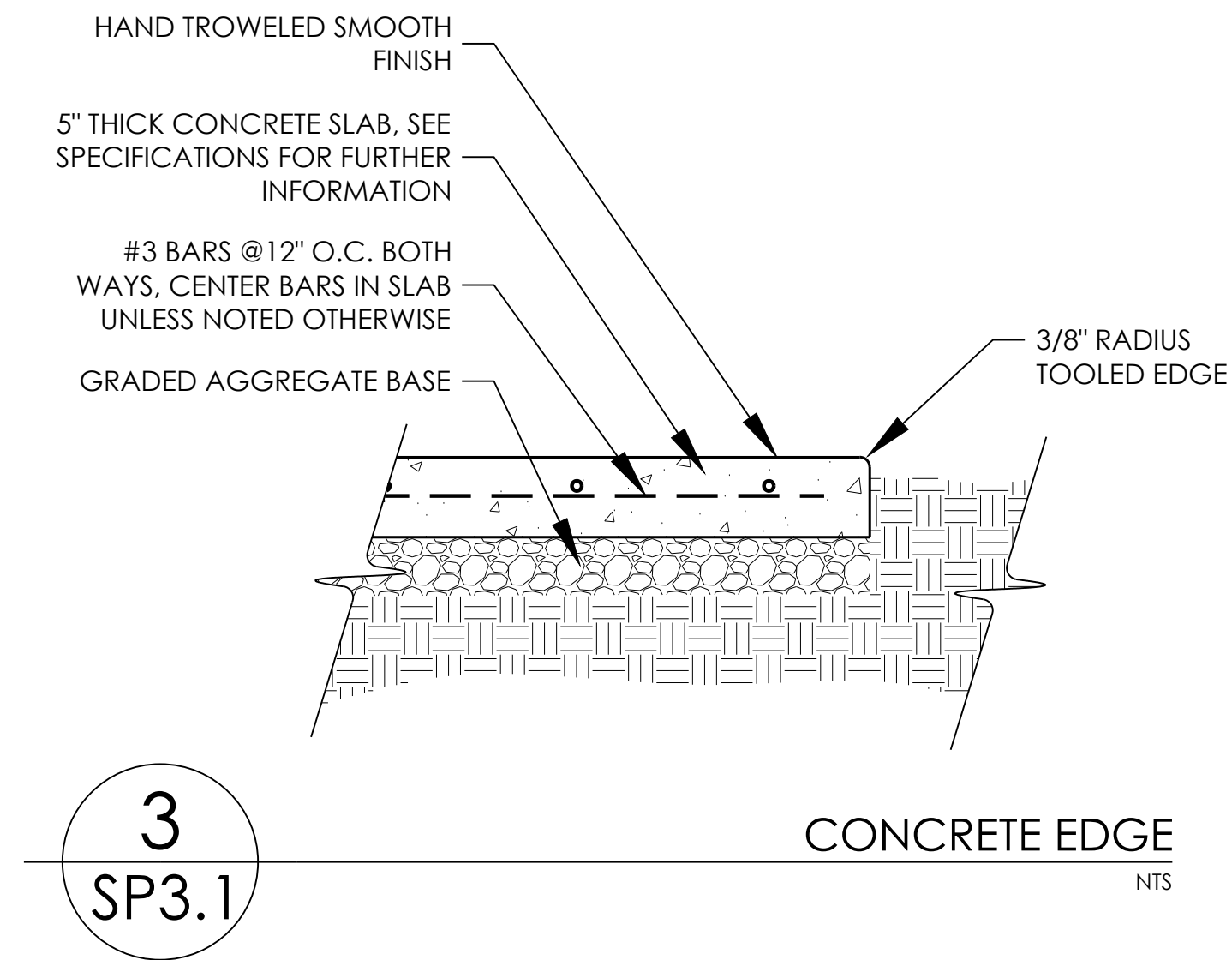
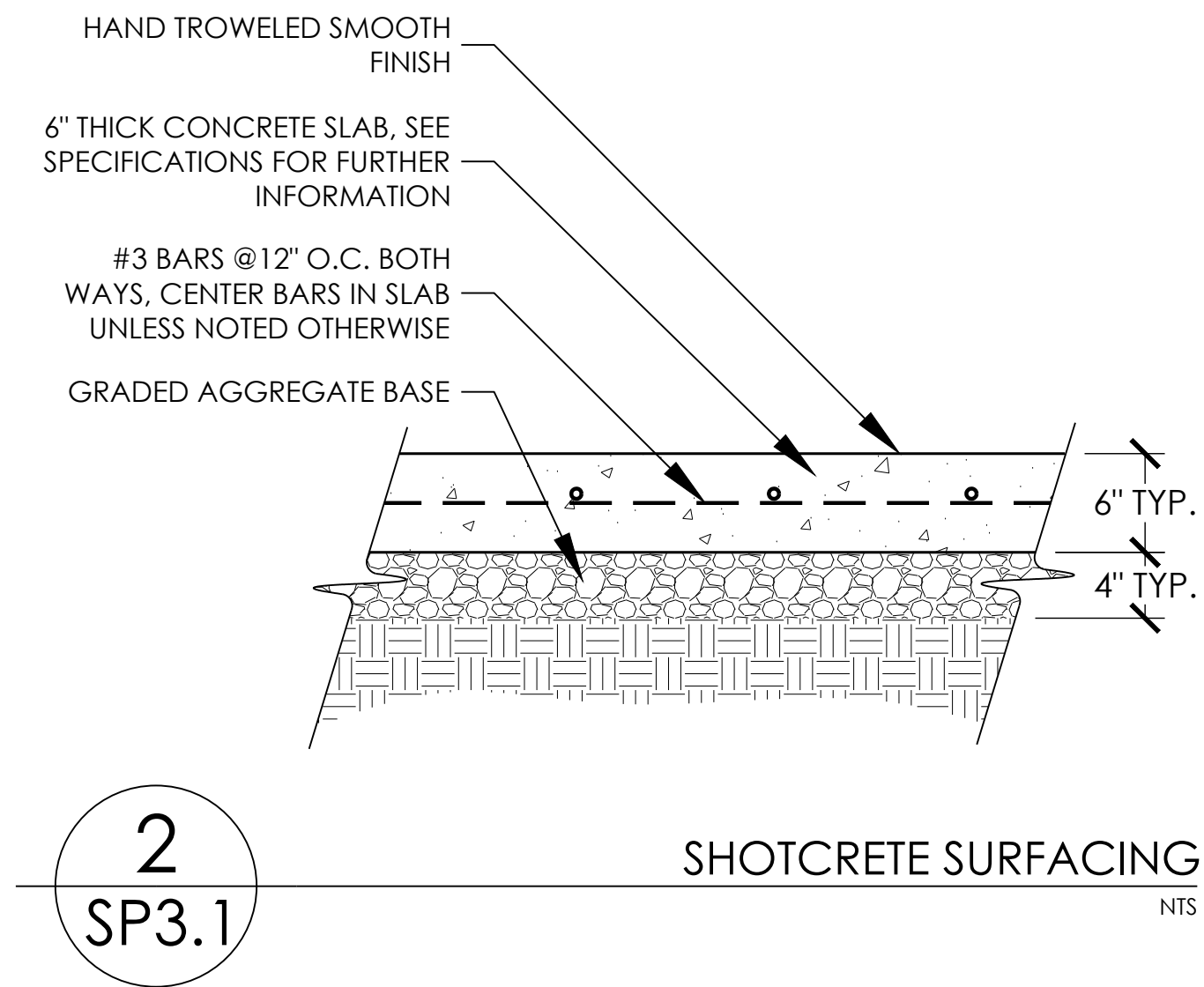
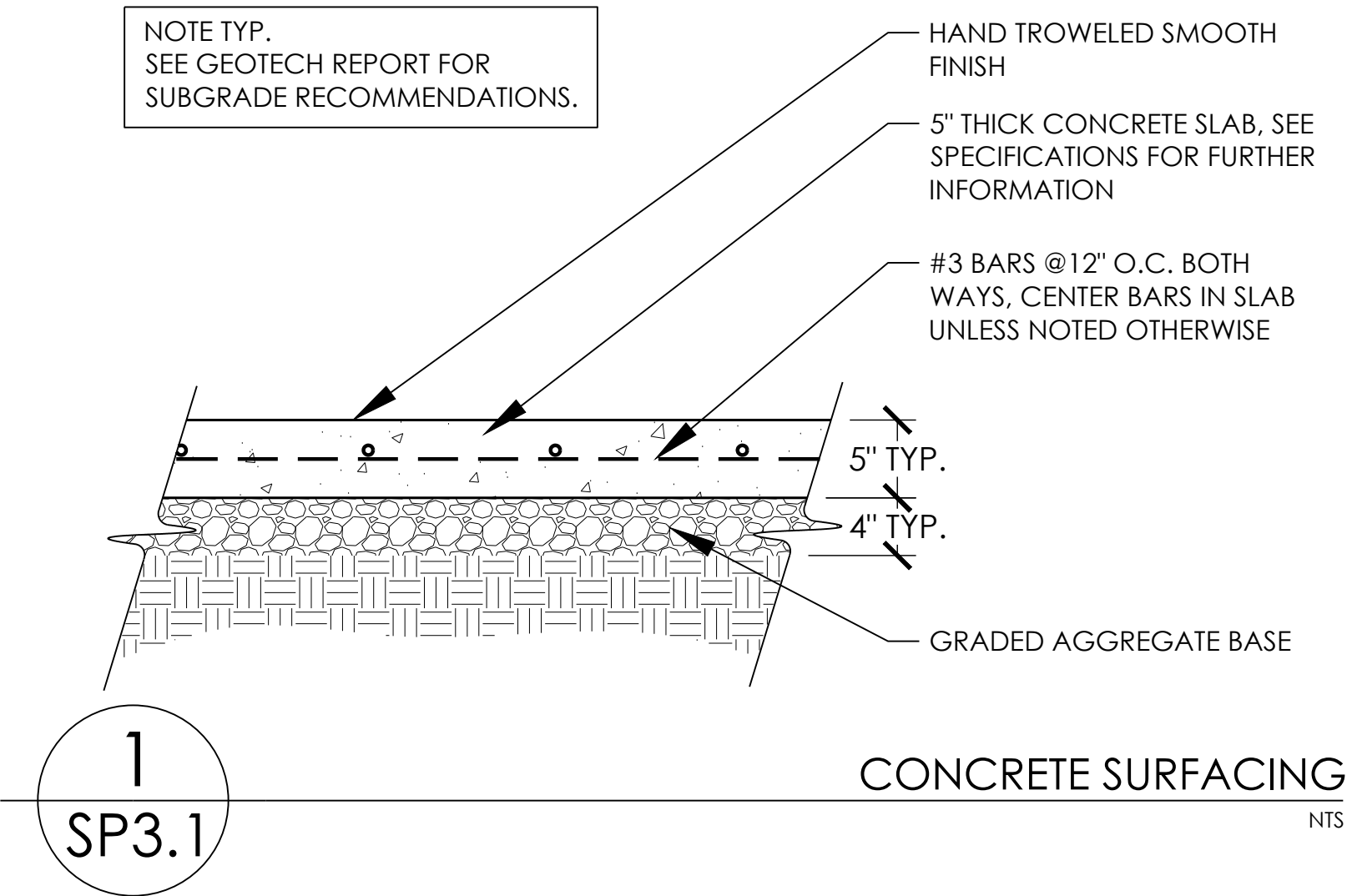
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP2.4

DATE: 02.22.23

DRAWN BY: BAJ
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SCALE:
N.T.S.

DETAILS

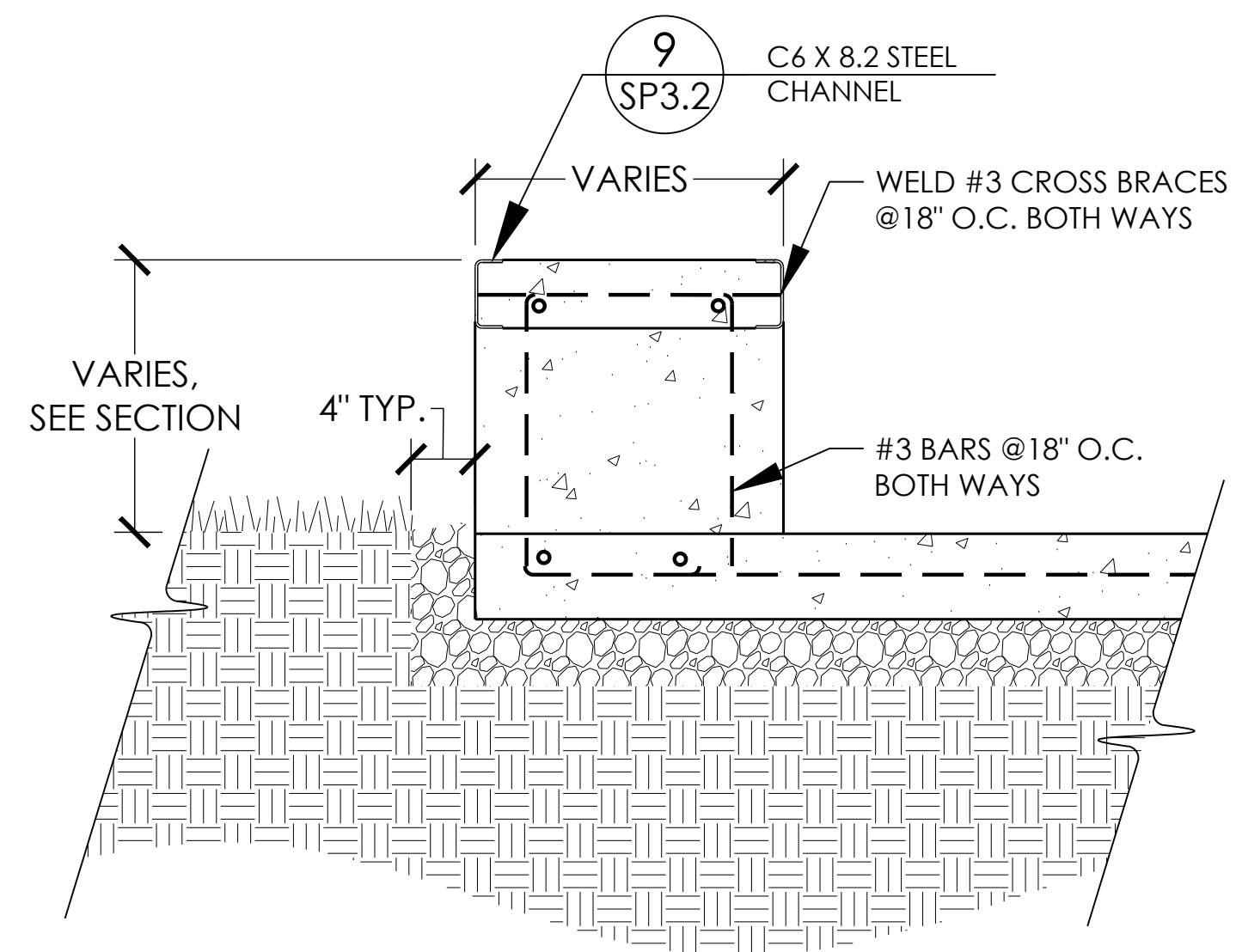
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP3.1

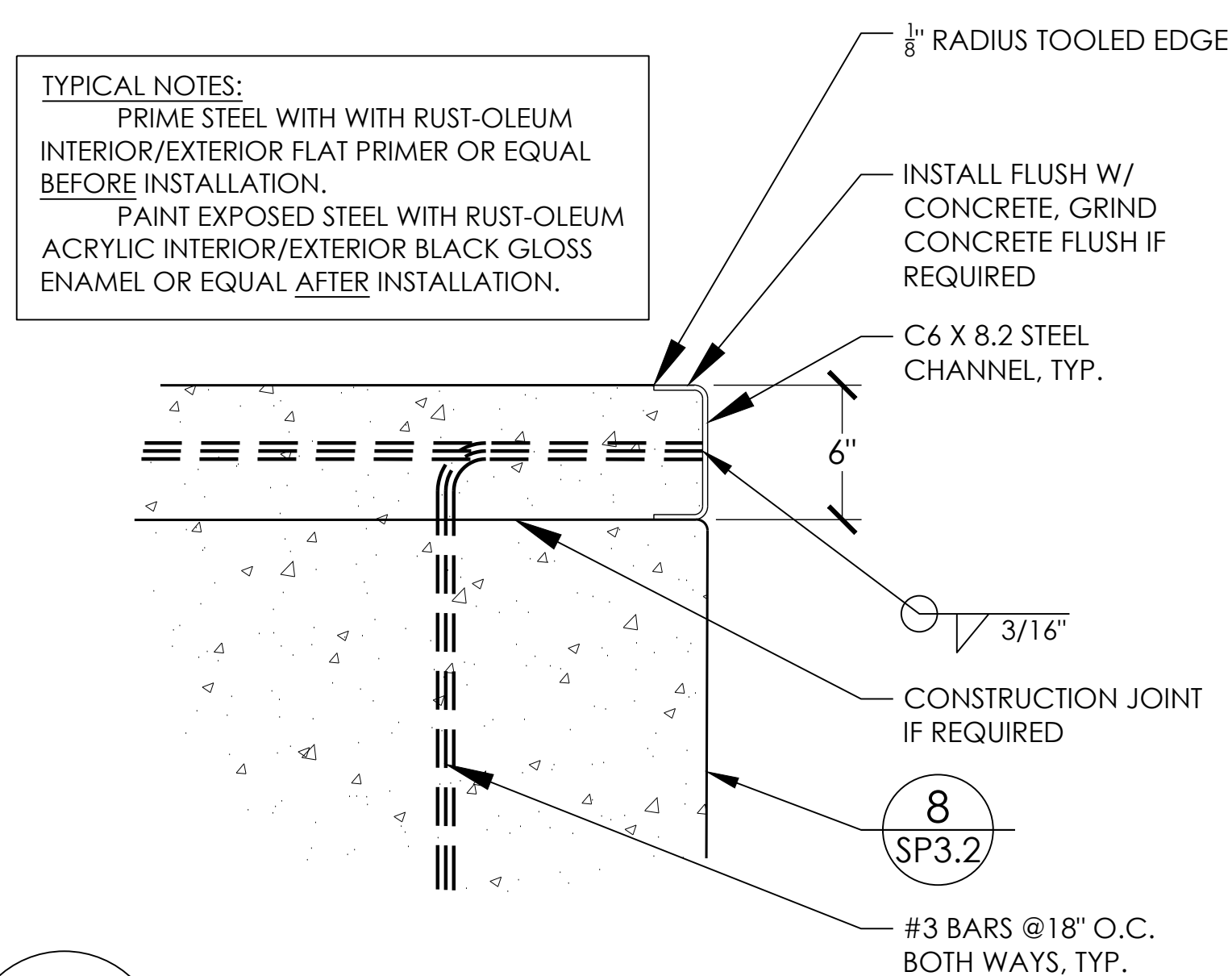
DATE: 02.22.23

DRAWN BY: BAJ
CHECKED BY: MBF

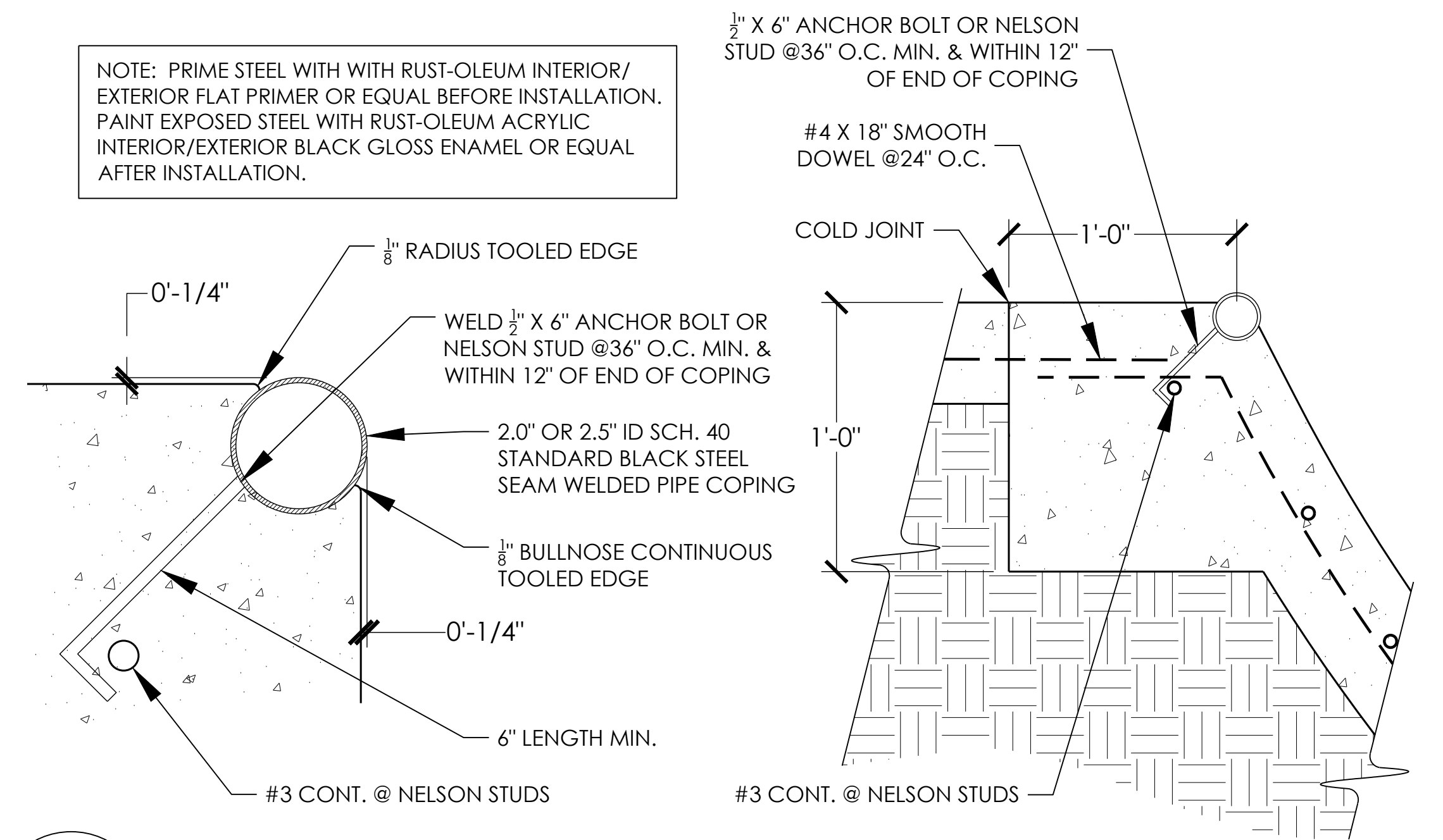
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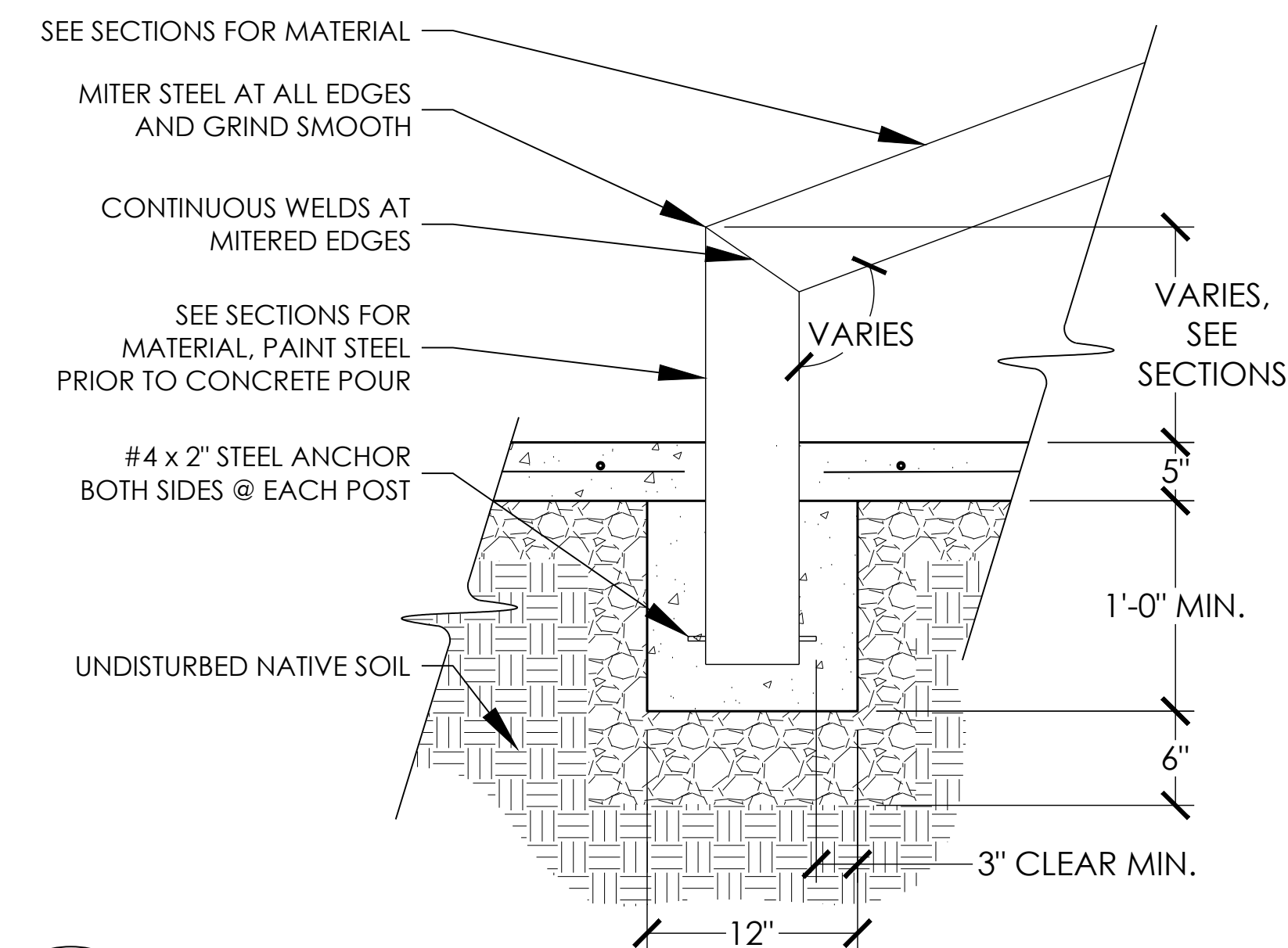
8
SP3.2
REINFORCED CONCRETE LEDGE - FLUSH EDGE
NTS



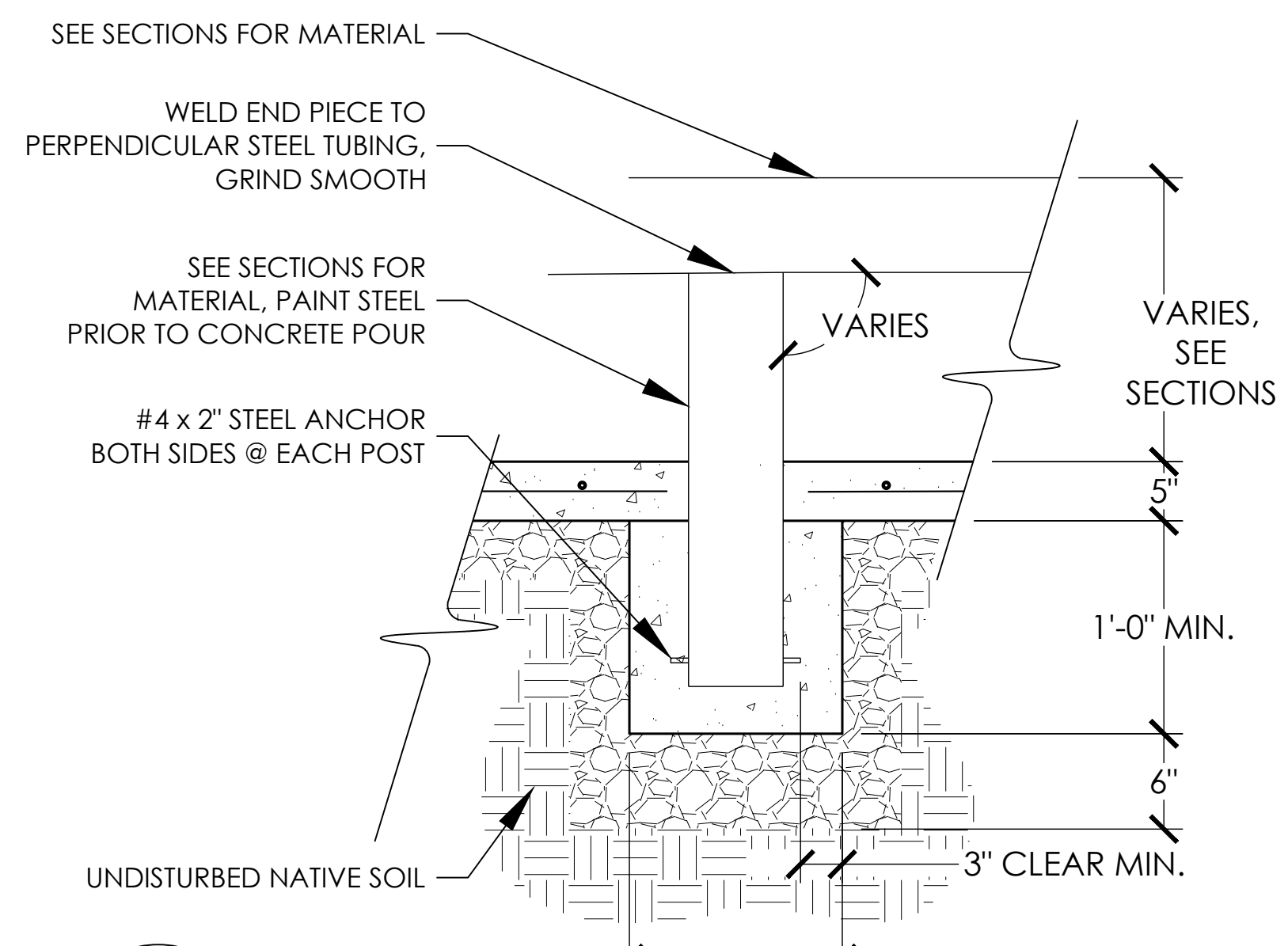
9
SP3.2
STEEL GRIND EDGE - FLUSH STEEL CHANNEL
NTS



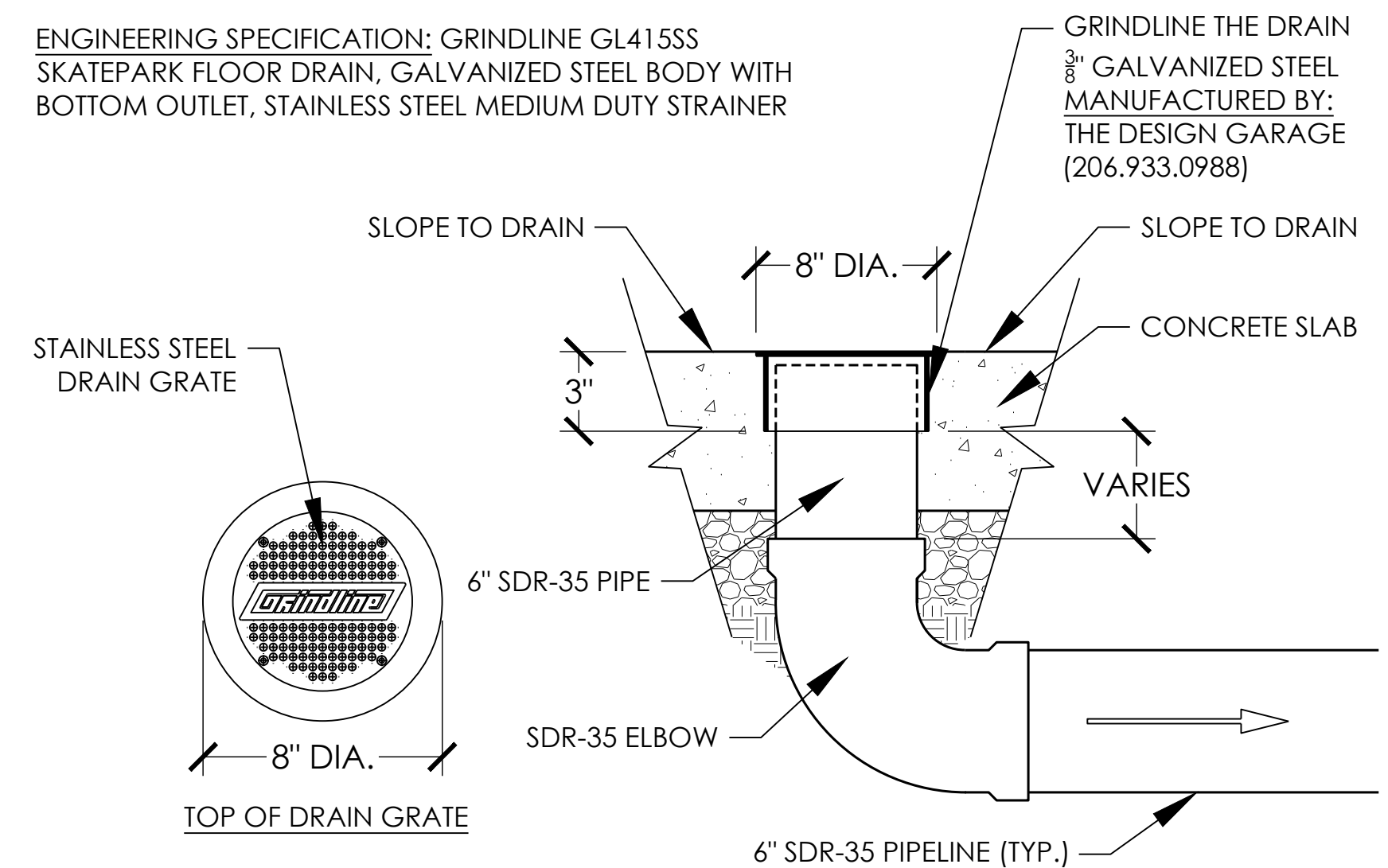
10
SP3.2
STEEL COPING AND BOND BEAM
NTS



11
SP3.2
HANDRAIL FOOTING - END POST
NTS



12
SP3.2
HANDRAIL FOOTING - CENTER POST
NTS



13
SP3.2
GRINDLINE THE DRAIN
NTS



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DETAILS
PROJECT: OWEGO SKATEPARK
LOCATION: OWEGO, NY

SHEET:
SP3.2

DATE: 02.22.23

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