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**Please Email ALL Questions:**  
**[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)**

**Please Let Us Know If You Plan To Bid**

City of Tampa  
Contract Administration Department  
306 E. Jackson St. #280A4N  
Tampa, FL 33602  
(813)274-8456

THIS CONTRACT PLAN SET INCLUDES:

INDEX OF DRAWINGS	
Sheet Number	Sheet Title
COVER AND ENGINEERING SHEETS	
E-1	COVER
E-2	GENERAL NOTES (1)
E-3	GENERAL NOTES (2)
E-4	EROSION CONTROL DETAILS
E-5	PAVING GRADING AND DRAINAGE PLAN (1)
E-6	PAVING GRADING AND DRAINAGE PLAN (2)
E-7	PAVING GRADING AND DRAINAGE PLAN (3)
E-8	PAVING GRADING AND DRAINAGE PLAN (4)
E-9	PAVING GRADING AND DRAINAGE DETAILS
ROADWAY PLANS	
A1.0	SUPPLEMENTAL NOTES
R1.0	ROADWAY PLAN INDEX
D1.1	DEMOLITION PLAN (1)
D1.2	DEMOLITION PLAN (2)
D1.3	DEMOLITION PLAN (3)
D1.4	DEMOLITION PLAN (4)
R1.1	ROADWAY PLANS (1)
R1.2	ROADWAY PLANS (2)
R1.3	ROADWAY PLANS (3)
R1.4	ROADWAY PLANS (4)
R2.1	SIGNAGE AND MARKINGS PLAN (1)
R2.2	SIGNAGE AND MARKINGS PLAN (2)
R2.3	SIGNAGE AND MARKINGS PLAN (3)
R2.4	SIGNAGE AND MARKINGS PLAN (4)
HARDSCAPE SHEETS	
H1.0	HARDSCAPE PLAN INDEX
H1.1	HARDSCAPE PLAN (1)
H1.2	HARDSCAPE PLAN (3)
H1.3	HARDSCAPE PLAN (4)
H1.4	HARDSCAPE PLAN (5)
H1.5	HARDSCAPE PLAN (6)
H2.1	HARDSCAPE DETAILS (1)
H2.2	HARDSCAPE DETAILS (2)
H2.3	HARDSCAPE DETAILS (3)
H2.4	HARDSCAPE DETAILS (4)
LANDSCAPE SHEETS	
L1.0	LANDSCAPE PLAN INDEX
L1.1	LANDSCAPE PLAN - WEST (1)
L1.2	LANDSCAPE PLAN - WEST (2)
L1.3	LANDSCAPE PLAN - EAST (1)
L1.4	LANDSCAPE PLAN - EAST (2)
L1.5	LANDSCAPE PLAN - EAST (3)
L1.6	LANDSCAPE PLAN - EAST (4)
L2.1	LANDSCAPE DETAILS
L2.2	LANDSCAPE SOILS PLAN

# CITY OF TAMPA

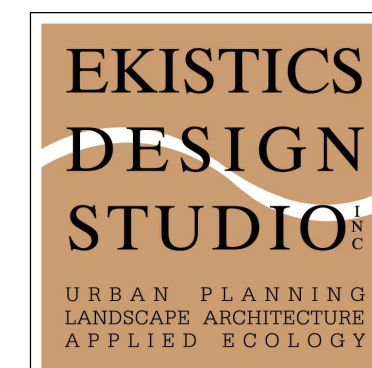
## SCOTT STREET LOW IMPACT DEVELOPMENT STREETScape



### CONSTRUCTION PLANS JANUARY 22TH, 2016 100% BID SET

#### PROJECT TEAM

PRIME CONSULTANT  
LANDSCAPE ARCHITECT  
EKISTICS DESIGN STUDIO, INC.  
1202 W LINEBAUGH AVE, TAMPA, FL 33612  
(813) 931-8040



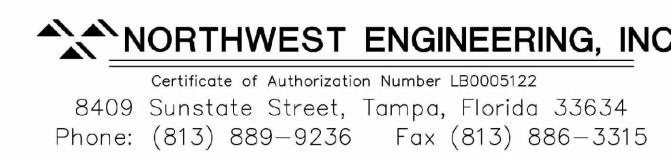
CIVIL ENGINEER  
APPLIED SCIENCES CONSULTING, INC.  
1000 N ASHLEY DR #500, TAMPA, FL 33602  
(813) 229-0900  
STATE OF FLORIDA CERTIFICATE  
AUTHORIZATION NUMBER 00026521



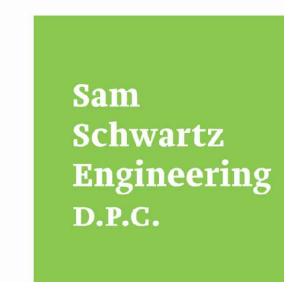
GEOTECHNICAL ENGINEER  
AREHNA ENGINEERING  
5012 W LEMON ST, TAMPA, FL 33609  
(813) 944-3464



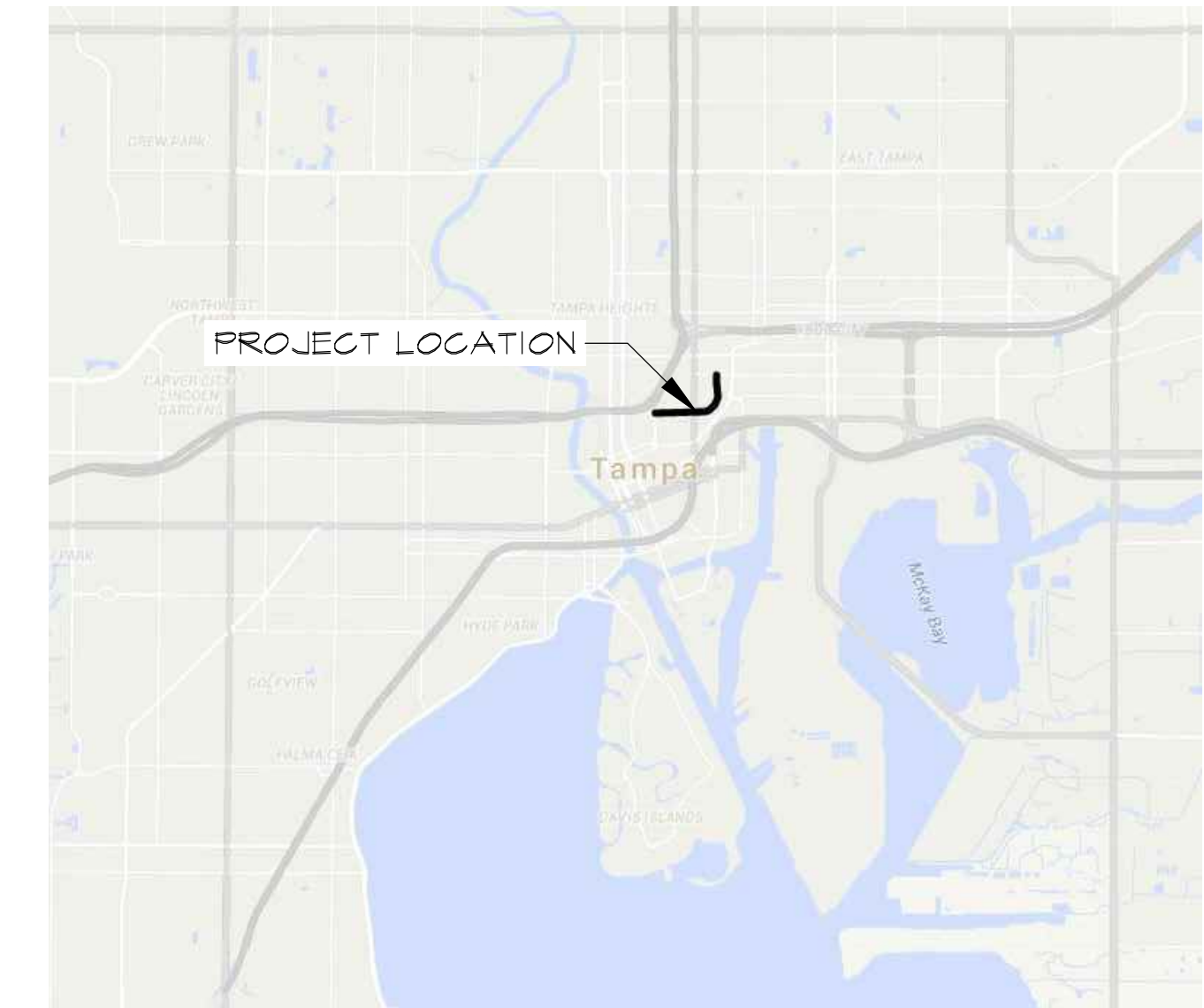
SURVEYOR  
NORTHWEST ENGINEERING, INC.  
Certificate of Authorization Number: 05009122  
8409 Sunstate Street, Tampa, Florida 33634  
Phone: (813) 889-9236 Fax: (813) 886-3315



TRANSPORTATION ENGINEER  
SAM SCHWARTZ ENGINEERING D.P.C.  
2709 N ROCKY POINT DR # 104, TAMPA, FL 33607  
(813) 284-7711



PUBLIC INVOLVEMENT FACILITATOR  
VRANA CONSULTING, INC.  
260 TUCKER ST, SAFETY HARBOR, FL 34695  
(727) 415-1200



LOCATION MAP  
SECTION 13, TOWNSHIP 29, RANGE 18  
SECTION 18, TOWNSHIP 29, RANGE 19

#### CITY COUNCIL MEMBERS

- Mike Suarez, District 1
- Charlie Miranda, District 2
- Yvonne Yolie Capin, District 3
- Harry Cohen, District 4
- Frank Reddick, District 5
- Guido Maniscalco – District 6
- Lisa J. Montelione, District 7

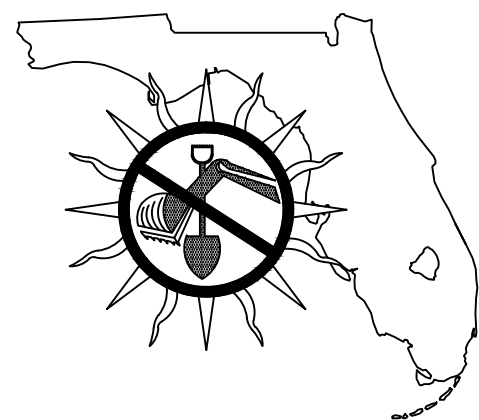
RICHARD F. PETERIKA, P.L.A. – FL#6667088  
LANDSCAPE ARCHITECT

DEREK L. DOUGHTY, P.E. – P.E. No. 54010  
GRADING AND DRAINAGE PLANS – ENGINEER OF RECORD

GREGORY S. TRIM, P.E. – P.E. No. 52935  
ROADWAY PLANS – ENGINEER OF RECORD

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS  
MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION.  
THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

"INVESTIGATE BEFORE YOU EXCAVATE"



CALL SUNSHINE @ 1-800-432-4770  
FL. STATUTE 553.851 (1979) REQUIRES A  
MIN. OF 2 DAYS AND MAX. OF 5  
DAYS NOTICE BEFORE YOU EXCAVATE.

THESE PLANS HAVE BEEN PREPARED IN  
ACCORDANCE WITH THE FLORIDA DEPT. OF  
TRANSPORTATION, ROADWAY AND TRAFFIC DESIGN  
STANDARDS (DATED 2015), THE FLORIDA DEPT.  
OF TRANSPORTATION, STANDARD SPECIFICATIONS  
(DATED 2015) AND SUPPLEMENTS THERETO, AND  
THE MAY 2010 HILLSBOROUGH COUNTY, STANDARD  
SPECIFICATIONS.

GENERAL CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING HIS BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK, AS WELL AS LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED TO COMPLETE THE PROJECT. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THIS CONTRACT.
- THE CITY SHALL PROVIDE BENCH MARK AND COORDINATE CONTROL POINTS FOR THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY POINTS FOR LINE AND GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE STAKEOUT OF THE PROJECT, ELECTR./CABLE/TEL., LINE, GRADE, SLOPE STAKING, MAINTENANCE OF STAKING, AND ANY RESTAKING THAT MAY BE REQUIRED TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR APPLICABLE ITEMS. NO ADDITIONAL PAYMENT SHALL BE MADE FOR THIS WORK.
- OVERALL CLEAN UP SHALL BE ACCOMPLISHED BY THE CONTRACTOR IN ACCORDANCE WITH CITY STANDARDS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE LINE ITEMS.
- THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
- ANY DAMAGE TO STATE, COUNTY, OR LOCAL ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY PROJECT MANAGER. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
- ALL STATIONS AND OFFSETS REFER TO BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PRESERVATION OF ALL PERMANENT SURVEY REFERENCE MONUMENTS, AND ALL PROPERTY CORNER MARKERS. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
- ANY U.S.C. AND G.S. MONUMENT WITHIN LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY, GEODETIC INFORMATION CENTER:  
DIRECTOR, NATIONAL GEODETIC SURVEY  
1315 EAST-WEST HIGHWAY  
SILVER SPRING, MARYLAND 20910-3282  
PHONE: (301) 713-3242
- ELEVATIONS SHOWN ON THE PLANS REFERENCE: \_\_\_\_ NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD - 1929)  
\_X\_ NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD - 1988)
- THE CONTRACTOR SHALL CHECK PLANS AND FIELD CONDITIONS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICT PRIOR TO PERFORMING ANY WORK IN THE AFFECTED AREA.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND INSURANCE REQUIRED FOR THE PROJECT PRIOR TO CONSTRUCTION, AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY INSTRUCTIONS.
- CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF SHOP DRAWING DOES NOT RELIEVE CONTRACTOR'S RESPONSIBILITY FOR PERFORMANCE OF THE ITEM.
- CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION STAKING AND LAYOUT OF THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
- THE CONTRACTOR(S) PERFORMING TRENCH EXCAVATION ON THIS CONTRACT, SHALL COMPLY WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION'S (OSHA) TRENCH EXCAVATION SAFETY STANDARDS, 29 C.F.R., S.1926.650, SUBPART P, INCLUDING ALL SUBSEQUENT REVISIONS OR UPDATES TO THE STANDARDS AS ADOPTED BY THE DEPARTMENT OF LABOR AND EMPLOYMENT SECURITY (DLES).
- CONTRACTOR SHALL MAKE ALLOWANCE FOR PLACEMENT OF SOD DURING GRADING OPERATIONS, SO TOP OF SOD IS FLUSH WITH SIDEWALK OR PAVED AREAS.
- ALL CONSTRUCTION DEMOLITION AND DISPOSAL TO BE IN ACCORDANCE WITH APPLICABLE CODES AND ENVIRONMENTAL RULES AND REGULATIONS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING DRAINAGE SYSTEM WITHIN THE LIMITS OF THE PROJECT AREA, FOR THE DURATION OF THE PROJECT. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE WORK INVOLVED.
- THE ARCHITECT/ENGINEER CERTIFIES THAT THE SITE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT.
- ALL STRUCTURES, INCLUDING BUFFER WALLS, RETAINING WALLS, SIGNAGE, ETC. REQUIRE SEPARATE BUILDING PERMITS.
- NO ON-SITE BURNING SHALL BE ALLOWED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ADJACENT ROADWAYS IN A CLEAN AND SAFE CONDITION.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO KEEP DEBRIS AND DUST OUT OF ADJACENT RESIDENTIAL AREAS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT ALL CONSTRUCTION ACTIVITIES SHALL CONFORM TO CITY OF TAMPA ORDINANCE RELATING TO CONTROL OF NOISE AND PHYSICAL CONTAMINATION ORIGINATING FROM THE JOB SITE.
- ALL EXCAVATIONS SHALL BE FILLED PRIOR TO THE COMPLETION OF EACH DAY'S WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY SECURING ALL AREAS CONTAINING UNFINISHED WORK AREAS, EQUIPMENT AND MATERIAL STORAGE AREAS, AS NECESSARY TO PREVENT PUBLIC ACCESS ONTO THE SITE.
- THE CONTRACTOR SHALL PROVIDE PORTABLE TOILET FACILITIES ON-SITE DURING THE CONSTRUCTION ACTIVITIES.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF TAMPA STANDARDS, DETAILS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SITE DURING CONSTRUCTION. SECURING SHALL BE BY FENCING OR OTHER SUITABLE MANNER AS APPROVED BY THE CITY.
- WORK PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON SITE BY OTHER CONTRACTOR'S AND UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.
- ALL CONSTRUCTION DEMOLITION AND DISPOSAL TO BE IN ACCORDANCE WITH APPLICABLE CODES AND ENVIRONMENTAL RULES AND REGULATIONS

UTILITIES

- EXCEPT WHERE THE PLANS AND SPECIFICATIONS PROVIDE THAT SUCH WORK SHALL BE PERFORMED UNDER THE CONTRACT FOR THIS PROJECT, ALL UTILITIES INTERFERING WITH CONSTRUCTION SHALL BE REMOVED, RELOCATED OR ADJUSTED BY THE UTILITY OWNERS, AT THEIR EXPENSE. THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO LOCATE AND IDENTIFY THEIR EXISTING UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, AS ESTABLISHED BY THE "UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT". THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE TO ALLOW UTILITY OWNERS TIME FOR THE NECESSARY RELOCATION AND ADJUSTMENT OF UTILITIES AND RELATED STRUCTURES. THE CONTRACTOR SHALL CALL SUNSHINE STATE ONE-CALL (1-800-432-4770) AND ANY EXISTING UTILITY FACILITY COMPANIES AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. THE FOLLOWING UTILITY OWNERS MAY HAVE LINES AND FACILITIES WITHIN THE PROJECT AREA:
  - CITY OF TAMPA UTILITIES
  - VERIZON
  - BRIGHTHOUSE
  - TAMPA ELECTRIC COMPANY
  - CENTRAL FLORIDA GAS
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OF THE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN THE CONTRACTOR & ALL UTILITY AGENCIES.  
NOTE : THIS INCLUDES MEETING WITH UTILITY AGENCIES PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE.
- THE CONTRACTOR SHALL VERIFY THE ACTUAL LOCATION AND EXTENT OF UNDERGROUND FACILITIES PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY THAT MAY AFFECT SUCH FACILITIES. NO UTILITY LOCATIONS HAVE BEEN VERIFIED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION, ELEVATION AND DIMENSIONS OF ANY UTILITIES PRIOR TO COMMENCING CONSTRUCTION. ANY INDICATED LOCATION OF UNDERGROUND UTILITIES, STRUCTURES AND FACILITIES IS APPROXIMATE AND REFLECTS THE BEST INFORMATION AVAILABLE FROM SURVEYS AND RECORDS.
- THE CONTRACTOR IS TO CONTACT THE APPROPRIATE FACILITIES MAINTENANCE UNIT REPRESENTATIVE NO LESS THAN 48 HOURS PRIOR TO THE START OF CONSTRUCTION FOR COORDINATION AND PREPAREDNESS IN THE EVENT FACILITIES ARE DAMAGED BY THE CONSTRUCTION.
- THE CONTRACTOR IS TO "PROTECT IN PLACE" THE FACILITIES THAT ARE NOT TO BE RELOCATED AND/OR REMOVED, BUT ARE TO REMAIN IN PLACE.
- THE CONTRACTOR SHALL PROVIDE DETAILED RECORD DRAWINGS RELATED TO THE RELOCATED FACILITIES, AS WELL AS OF ALL DRAINAGE RELATED ITEMS, ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPLICABLE LINE ITEMS.
- ALL UTILITY CONSTRUCTION SHALL COMPLY WITH THE CITY AND/OR COUNTY STANDARDS FOR DESIGN AND CONSTRUCTION OF WATER AND WASTEWATER FACILITIES SPECIFICATIONS, LATEST EDITION. ALL CONSTRUCTION WORK, INCLUDING ROADS, DRAINAGE, AND UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF TAMPA DESIGN STANDARDS AND TESTED IN COMPLIANCE WITH CITY OF TAMPA ENGINEERING SERVICES DEPARTMENT'S TESTING SPECIFICATIONS FOR CONSTRUCTION OF ROADS, STORM DRAINAGE, AND UTILITIES.
- ALL STORM AND SANITARY SEWER INLET, MANHOLE, AND JUNCTION BOX COVER LIDS SHALL BE FABRICATED AND STAMPED AS DETAILED PER CITY OF TAMPA.
- PIPE LENGTHS SHOWN ON THE PLANS ARE TAKEN FROM INSIDE WALL TO INSIDE WALL OF STRUCTURES. FOR CROSS DRAINS AND SIDE DRAINS, THE LENGTH OF PIPE SHOWN DOES NOT INCLUDE THE MITERED END SECTION. SEE FDOT INDEX NO.'S 272 AND 273.
- SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES MAY EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION WILL BE REQUIRED IN STABILIZATION OPERATIONS AT THOSE LOCATIONS. IN SUCH CASES LIMEROCK SHALL BE USED BETWEEN THE BOTTOM OF THE BASE TO SIX INCHES BELOW THE PIPE CROWN.
- ALL SIDE SLOPE LABELING IS DEFINED AS (HORIZONTAL:VERTICAL).
- UPON COMPLETION OF ALL CONSTRUCTION AND WHEN ALL SITEWORK IS COMPLETED, THE PROJECT SHALL BE LEFT CLEAN. UPON COMPLETION, ALL STORM DRAIN LINES WILL BE VIDEOED TO CHECK PIPE AND INLETS IN THE PRESENCE OF THE ENGINEER OR ENGINEER'S REPRESENTATIVE. LINES WITH DEBRIS AS DETERMINED BY THE ENGINEER SHALL BE CLEANED AS REQUIRED.
- SANITARY SEWERS, FORCE MAINS AND STORM SEWERS CROSSING WATER MAINS SHALL BE CONSTRUCTED TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE INVERT OF THE UPPER PIPE AND THE CROWN OF THE LOWER PIPE WHENEVER POSSIBLE. WHERE SANITARY SEWERS, FORCE MAINS OR STORM SEWERS MUST CROSS A WATER MAIN WITH LESS THAN 18 INCHES VERTICAL DISTANCE, BOTH THE SEWER AND THE WATER MAIN SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE (DIP) AT THE CROSSING. (DIP IS NOT REQUIRED FOR STORM SEWERS IF IT IS NOT AVAILABLE IN THE SIZE PROPOSED). SUFFICIENT LENGTHS OF DIP MUST BE USED TO PROVIDE A MINIMUM SEPARATION OF 10- FEET BETWEEN ANY TWO JOINTS. ALL JOINTS ON THE WATER MAIN WITHIN 20 FEET OF THE CROSSING MUST BE LEAK FREE AND MECHANICALLY RESTRAINED. A MINIMUM VERTICAL CLEARANCE OF 6 INCHES MUST BE MAINTAINED AT THE CROSSING. ALL CROSSINGS SHALL BE ARRANGED SO THAT THE SEWER PIPE JOINTS AND THE WATER PIPE JOINTS ARE EQUIDISTANT FROM THE POINT OF CROSSING (PIPES CENTERED ON THE CROSSING). WHERE A NEW PIPE CONFLICTS WITH AN EXISTING PIPE, THE NEW PIPE SHALL BE CONSTRUCTED OF DIP AND THE CROSSING SHALL BE ARRANGED TO MEET THE REQUIREMENTS ABOVE.
- THE CONTRACTOR SHALL REMOVE ALL ABANDONED/OUT OF SERVICE UTILITY LINES, PIPES, STRUCTURES AND OTHER SUBTERRANEAN OBJECTS TO A MINIMUM DEPTH OF FOUR (4) FEET BELOW GRADE, OR AS OTHERWISE DIRECTED BY THE CITY PROJECT MANAGER. MATERIALS INTERFERING WITH CONSTRUCTION AND ALL ABANDONED OR OUT OF SERVICE UTILITY LINES, PIPES, STRUCTURES AND OTHER SUBTERRANEAN OBJECTS TO BE REMOVED SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE. ALL MATERIALS NOT CLAIMED BY CITY OF TAMPA SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR, AND ACCEPTABLE TO ALL REGULATORY AUTHORITIES.

DUST CONTROL MEASURES:

DEFINITION:  
REDUCING SURFACE AND AIR MOVEMENT OF DUST DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES.

PURPOSE:  
TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMAL OR PLANT LIFE.

CONDITIONS WHERE PRACTICE APPLIES:  
IN AREA SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON-SITE AND OFF-SITE DAMAGE IS LIKELY TO OCCUR IF PREVENTIVE MEASURES ARE NOT TAKEN.

PLANNING CONSTRUCTIONS:  
CONSTRUCTION ACTIVITIES INEVITABLY RESULT IN THE EXPOSURE AND DISTURBANCE OF SOIL. FUGITIVE DUST IS EMITTED. EROSION OCCURS OVER THE EXPOSED EARTH SURFACES. LARGE QUANTITIES OF DUST ARE TYPICALLY GENERATED IN "HEAVY" CONSTRUCTION ACTIVITIES, SUCH AS ROAD AND STREET CONSTRUCTION AND SUBDIVISION, COMMERCIAL AND INDUSTRIAL DEVELOPMENT, WHICH INVOLVE DISTURBANCE OF SIGNIFICANT AREAS OF SOIL SURFACE. RESEARCH AT CONSTRUCTION SITES HAS ESTABLISHED AN AVERAGE DUST EMISSION RATE OF 1.2 TONS/ACRE/MONTH FOR ACTIVE CONSTRUCTION. EARTH-MOVING ACTIVITIES COMPRISE THE MAJOR SOURCES OF CONSTRUCTION DUST EMISSIONS, BUT TRAFFIC AND GENERAL DISTURBANCE OF THE SOIL ALSO GENERATE SIGNIFICANT DUST EMISSION. IN PLANNING FOR DUST CONTROL, IT SHOULD BE OBVIOUS THAT THE LESS SOIL EXPOSED AT ANY ONE TIME, THE LESS POTENTIAL THERE WILL BE FOR DUST GENERATION. PHASING A PROJECT AND UTILIZING TEMPORARY STABILIZATION PRACTICES UPON THE COMPLETION OF GRADING CAN SIGNIFICANTLY REDUCE DUST EMISSION.

DUST CONTROL MEASURES (CONT'D)

- TEMPORARY MEASURES:  
MULCHES - A NATURAL OR ARTIFICIAL LAYER OF PLANT MATERIALS OR OTHER MATERIALS.  
VEGETATIVE - TEMPORARY SEEDING OR GROUND COVERS.  
TILLAGE - THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS (WITH 12-INCH SPACING), SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED. TO PREVENT CARRYOUT OF MUD ONTO STREETS, REFER TO TEMPORARY GRAVEL CONSTRUCTION ENTRANCE.
- BARRIERS - SOLID BOARD FENCE, BURLAP FENCE, CREATED WALLS, SYNTHETIC HAY BALES AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND AT INTERVALS OF ABOUT 15 TIMES THE BARRIER HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.
- PERMANENT VEGETATION - PERMANENT SEEDING AND PERMANENT STABILIZATION WITH SOD.  
TOP SOILING - THIS ENTAILS COVERING THE SURFACE WITH LESS EROSION SOIL MATERIAL.  
STONE- COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.
- SITE DEWATERING NOTES:
- SITE RUNOFF: EXCEPT FOR WATER NEEDED TO PROPERLY HYDRATE WETLANDS, WATER FROM UPSTREAM WATER SHEDS, DEWATERING OPERATIONS, OR EXCESS SITE RUNOFF SHALL BE CONVEYED THROUGH THE PROJECT. CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY PUMPS, PIPING, AND OTHER SURFACE RUNOFF MANAGEMENT FACILITIES AS NEEDED.
  - SEDIMENT BASIN:
    - DURING POND EXCAVATION, THE CONTRACTOR SHALL CONSTRUCT A SEDIMENT BASIN TO PROVIDE A DISCHARGE POINT FOR DEWATERING. THE SEDIMENT BASIN CAN BE A CELL IN THE EXCAVATION AREA, OR IT CAN BE A BERMED AREA ABOVE THE GROUND.
    - ALL DEWATERING MUST BE HELD IN THE SEDIMENT AREA UNTIL THE WATER IS CLEAN (NOT TURBID) AND WILL MEET OTHER STATE WATER QUALITY STANDARDS THAT MAY APPLY. MAXIMUM ALLOWABLE TURBID DISCHARGE SHALL NOT EXCEED 29 NTU'S (NEPHELOMETRIC TURBIDITY UNITS) ABOVE BACKGROUND LEVELS.
    - AFTER WATER IN THE SEDIMENT BASIN IS CLEAN, THE WATER MAY BE RELEASED INTO THE DRAINAGE - WAYS THROUGH THE SITE PROVIDED THERE IS NO ADVERSE IMPACT TO THE EXISTING WATER QUALITY.
    - UNDER NO CIRCUMSTANCES WILL DEWATERING DISCHARGE BE ALLOWED TO OCCUR DIRECTLY INTO ON-SITE WETLANDS.
    - CONTRACTOR SHALL SEQUENCE POND EXCAVATION SUCH THAT A SEDIMENT BASIN IS AVAILABLE AT ALL TIMES DURING THE PROGRESS OF THE WORK. THE SEDIMENT BASIN CAN BE RELOCATED AS NECESSARY SUBJECT TO THE WATER WITHIN THE SEDIMENT BASIN BEING NON-TURBID AND ACCEPTABLE FOR DISCHARGE OFF-SITE.
  - SILTY / CLAYEY SANDS:
    - IF THE CONTRACTOR ENCOUNTERS SILTY / CLAYEY SANDS, WHICH CAUSE THE WATER IN A SEDIMENT BASIN TO STAY TURBID, THE CONTRACTOR SHALL TREAT THE SEDIMENT BASIN WATER WITH A CHEMICAL ADDITIVE SUCH AS ALUM IN ORDER TO PROMOTE COAGULATION AND SETTLING OF THE PARTICULATES AND THE WATER TO BECOME LESS TURBID.
    - DURING EXCAVATION, THE CONTRACTOR SHALL NOT PENETRATE THE EXISTING CONFINING CLAY OR LIMESTONE LAYER. IF THE CONFINING LAYER IS ENCOUNTERED, TWO FEET OF SANDY MATERIAL SHALL BE PLACED OVER THE CLAY OR LIMESTONE AND THE DEPTH OF EXCAVATION TERMINATED.
    - IF TURBID WATER IS ENCOUNTERED DURING EXCAVATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SHALL TAKE THE STEPS NECESSARY TO ELIMINATE THE TURBIDITY.

MAINTENANCE OF TRAFFIC, PAVING, & SIDEWALK:

- MAINTENANCE OF TRAFFIC WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAINTAIN TRAFFIC UTILIZING FDOT STANDARD SPECIFICATION SECTION 102 AND FDOT ROADWAY AND TRAFFIC DESIGN STANDARD, INDEX SERIES 600 THE CONTRACTOR SHALL SUBMIT M.O.T. PLANS TO THE CITY'S PROJECT MANAGER FOR REVIEW AND APPROVAL.
- THE CONTRACTOR SUPPLIED MAINTENANCE OF TRAFFIC PLAN MUST MEET CITY OF TAMPA REQUIREMENTS, AS WELL AS FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), AND FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (LATEST EDITION).
- THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "ROADWAY AND TRAFFIC DESIGN STANDARDS", AS AMENDED BY THE SPECIFICATIONS FOR THIS PROJECT.
- ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. ROAD CLOSURES ARE SUBJECT TO CITY OF TAMPA APPROVAL ON A CASE BY CASE BASIS, AND SHALL BE SUBJECT TO ALL CITY RULES AND REGULATIONS. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR TO AVOID COMPLETE CLOSURE OF ANY ROAD. LANE CLOSURES SHALL BE DAYTIME ONLY.
- UPON ARRIVING ON THE JOB SITE AND LEAVING THE JOB SITE EACH DAY, THE CONTRACTOR SHALL INSPECT ALL TRAFFIC CONTROL AND SAFETY DEVICES TO ENSURE PROPER INSTALLATION AND FULL WORKING CONDITION. CONTRACTOR IS RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES FOR THE DURATION OF THE PROJECT, WHETHER ACTIVITY OCCURS ON THE PROJECT SITE OR NOT.
- ANY WEEKEND WORK IS SUBJECT TO CITY APPROVAL AND MUST BE MUST BE REQUESTED IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE.
- ALL STREET SIGNS AND STREET MARKERS ARE TO BE REMOVED AND RELOCATED AS DIRECTED BY THE ENGINEER.
- WHERE CONNECTION TO EXISTING DRIVEWAY IS NOT INDICATED ON THE PLANS, PROPER CONNECTION IS TO BE MADE AT THE DIRECTION OF THE CITY'S PROJECT MANAGER. DRIVEWAY LOCATIONS AND WIDTHS MAY BE FIELD ADJUSTED BY THE PROJECT MANAGER UPON THE REQUEST OF THE PROPERTY OWNER IN ACCORDANCE WITH APPLICABLE STANDARDS. ACCESS TO THE DRIVEWAY SHALL BE MAINTAINED BY THE CONTRACTOR AT ALL TIMES.
- UNLESS OTHERWISE SPECIFIED IN THE PLANS, EXISTING SOD, DISTURBED BY CONSTRUCTION, SHALL BE REPLACED IN KIND (OR BETTER) AS APPROVED BY THE CITY'S PROJECT MANAGER.
- MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION USING ENGLISH SYSTEM.
- ALL PROPOSED SIGNS MUST BE APPLIED FOR, APPROVED, AND PERMITTED ON AN INDIVIDUAL BASIS APART FROM ANY ULTIMATELY-APPROVED SITE PLAN. APPROVAL OF THIS SITE PLAN DOES NOT CONSTITUTE APPROVAL OF ANY SIGNAGE.
- ALL RIGHT-OF-WAY WORK SHALL BE A FUNCTION OF AN APPROVED RIGHT-OF-WAY USE PERMIT.
- THE CONTRACTOR SHALL PROVIDE ALL SHEETING, DE-WATERING, SHORING AND BRACING REQUIRED TO PROTECT ADJACENT STRUCTURES OR TO MINIMIZE TRENCH WIDTH. WHERE A SEPARATE PAY ITEM IS NOT PROVIDED, THE COST OF ALL SHEETING, SHORING AND BRACING REQUIRED SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING AND BRACING IS ANTICIPATED TO BE REQUIRED.

REVISIONS:		
NO.	DATE	DESCRIPTION

STATE OF FLORIDA CERTIFICATE  
AUTHORIZATION NO. 00026527



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	NAME	DATE
DESIGNED BY:	RSW	12/22/15
DRAWN BY:	MKH	12/22/15
CHECKED BY:	DLD	12/22/15
SCALE:	AS SHOWN	
PROJECT NO.:		

**SCOTT STREET LID IMPROVEMENTS**

**GENERAL NOTES**

I hereby certify that the work contained herein was prepared under my direct supervision and complies with the requirements of Chapter 471, Florida Statutes and Chapter 83-160, Laws of Florida.

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DEREK L. DOUGHTY, P.E. - P.E. No. 54010

SHEET NO:  
**E-2**

MAINTENANCE OF TRAFFIC, PAVING, & SIDEWALK (CONT'D):

14. NO SURFACING SHALL BE APPLIED TO ANY MANHOLE COVERS, FRAMES, VALVE BOXES, GAS DROPS, ETC. ALL EXISTING AND PROPOSED UTILITY AND STORM SEWER STRUCTURES WHOSE TOPS WILL BE EXPOSED WITHIN ANY PAVED AREA SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE FLUSH WITH THE PAVEMENT SURFACE.
15. ALL EXISTING AND PROPOSED UTILITY AND STORM SEWER STRUCTURES WHOSE TOPS WILL BE EXPOSED WITHIN UNPAVED AREAS SUBJECT TO VEHICULAR, BICYCLE OR PEDESTRIAN TRAFFIC SHALL BE ADJUSTED SO THAT THE TOP SURFACE OF COVERS OR FRAMES SHALL BE NO MORE THAN ONE INCH ABOVE THE FINISHED GRADE, UNLESS OTHERWISE SPECIFIED ON THE PLANS. WHERE SODDING IS APPLIED "FINISHED GRADE" SHALL BE THE NOMINAL HEIGHT OF GRASS AFTER THE SOD IS FIRMLY PLACED.
16. THE CONSTRUCTION LENGTHS INDICATED IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
17. SIDEWALKS SHALL BE MINIMUM 4" THICK, 3000 PSI CONCRETE. CONSTRUCTION JOINTS SHALL BE AT 20 FOOT INTERVALS, TOOLED JOINTS AT 5 FOOT INTERVALS. ALL EDGED SHALL BE TOOLED AND SIDEWALK SHALL HAVE BROOM FINISH. AT HANDICAP RAMPS, DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARDS.
18. CROSS SLOPES ON SIDEWALKS SHALL NOT EXCEED 2%. LONGITUDINAL SLOPES SHALL NOT EXCEED 5%.
19. CONTRACTOR SHALL MAKE ALLOWANCE FOR PLACEMENT OF SOD DURING GRADING OPERATIONS, SO TOP OF SOD IS FLUSH WITH SIDEWALK OR PAVED AREAS.
20. ALL MANHOLES, VALVE BOXES, CLEANOUTS AND OTHER ACCESS FACILITIES MUST BE AT FINISHED ELEVATIONS IN PAVING, SIDEWALKS AND GRASSED AREAS.
21. PAVEMENT TO BE MARKED AS SHOWN AND IN ACCORDANCE WITH DETAILS REFERENCED. PAVEMENT MARKINGS SHALL BE EXTRUDED THERMOPLASTIC AND REFLECTIVE PAVEMENT MARKERS WILL BE PROVIDED IN ACCORDANCE WITH CITY/FDOT STANDARDS.
22. ALL BARRICADES AND OTHER TRAFFIC SAFETY/CONTROL DEVICES MUST MEET FDOT AND M.U.T.C.D. STANDARDS,

CONSTRUCTION MATERIALS:

1. THE CITY RESERVES THE RIGHT TO PERFORM QUALITY ASSURANCE TESTING ON ALL MATERIALS DELIVERED TO PROJECT AND TO REJECT ALL MATERIALS NOT MEETING ACCEPTABLE STANDARDS.
2. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS, ANY AND ALL MATERIAL TO BE REMOVED SUCH AS CULVERT PIPE, GUARDRAIL, ROAD SIGNS, ETC. THAT THE ENGINEER DEEMS SALVAGEABLE SHALL BE NEATLY STOCKPILED IN AN AREA DESIGNATED BY THE ENGINEER, FOR FUTURE REMOVAL BY CITY FORCES.
3. UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS AND SPECIFICATIONS, THE CONTRACTOR SHALL PROVIDE SUITABLE BORROW MATERIAL, APPROVED BY THE ENGINEER, AND INSTALL SAID MATERIAL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
4. CONSTRUCTION AND MATERIALS SHALL CONFORM TO SPECIFICATIONS AND DETAILS OF THE CITY OF TAMPA UNLESS OTHERWISE SPECIFIED.
5. INSPECTION OF, OR FAILURE TO INSPECT ANY MATERIALS OR WORKMANSHIP SHALL IN NO WAY RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM THE WORK IN ACCORDANCE WITH APPLICABLE PLANS, SPECIFICATIONS, AND REGULATIONS.
6. EXCEPT FOR THE COST OF EXCAVATING UNSUITABLE MATERIAL AND THE COST OF FURNISHING, PLACING AND COMPACTING FILL TO REPLACE UNSUITABLE MATERIAL, THE CONTRACT PRICE FOR GRADING SHALL INCLUDE THE COST OF ALL EMBANKMENT AND EXCAVATION, GRADED CONNECTIONS, DE-WATERING, FINAL DRESSING, AND SIMILAR EARTHWORK OPERATIONS REQUIRED FOR THE COMPLETION OF THIS PROJECT.
7. ALL EXCESS MATERIALS RESULTING FROM EXCAVATION FOR CONSTRUCTION OF THE PROJECT SHALL BE DISPOSED OF BY THE CONTRACTOR AT A SITE PROVIDED BY THE CONTRACTOR, AND SATISFACTORY TO THE CITY OF TAMPA. COST TO BE INCLUDED IN CONTRACT BID PRICES.
8. ALL EXCESS MATERIALS RESULTING FROM EXCAVATION TO BE USED ANYWHERE WITHIN THE PROJECT SHALL BE CLEAN, FREE OF VEGETATION, RUBBLE AND DEBRIS, AND SPREAD AND COMPACTED IN LIFTS DESIGNATED BY THE TESTING LABORATORY TO THE REQUIRED ELEVATION AS SHOWN ON THE PLANS. ALL EXCESS CLEAN MATERIAL LEFT OVER FROM THE PROJECT WILL BECOME PROPERTY OF CONTRACTOR AND SHALL BE TRANSPORTED BY THE CONTRACTOR.
9. NO MATERIALS OR EQUIPMENT WILL BE STORED ON THE SITE WITHOUT EXPRESS WRITTEN PERMISSION FROM THE CITY PROJECT MANAGER. ALL MATERIALS ARE THE PROPERTY OF THE CONTRACTOR UNTIL INSTALLED, INSPECTED, AND FORMALLY ACCEPTED BY THE CITY. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY PROMPT REPLACEMENT OF ANY MATERIALS LOST, DAMAGED OR STOLEN, PRIOR TO THE CITY'S FORMAL ACCEPTANCE, REGARDLESS OF REASON FOR LOSS OR LOCATION OF LOSS.
10. MATERIALS AND CONSTRUCTION METHODS FOR STREETS AND STORM DRAINAGE SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

AS-BUILT DRAWING REQUIREMENTS

11. AS-BUILT DRAWINGS WILL BE SUBMITTED TO THE ENGINEER, BY THE CONTRACTOR, PRIOR TO FINAL INSPECTION OF THE WORK. AFTER REVIEW AND APPROVAL BY THE ENGINEER, FINAL AS-BUILT DRAWINGS (2 COPIES) SHALL BE PROVIDED TO THE CITY OF TAMPA ENGINEERING DIVISION. AS-BUILTS SHALL BE CERTIFIED BY A FLORIDA LICENSED LAND SURVEYOR, AND SHALL BE IN HARDCOPY, PDF AND AUTOCAD COMPATIBLE (I.E. DWG OR DXF) FORMAT.
12. ALL DIMENSIONS REFERENCED ON THE AS-BUILTS MUST BE PARALLEL TO, OR PERPENDICULAR TO PROPERTY LINES, BUILDINGS, OR OTHER PERMANENT STRUCTURES.
13. AS-BUILT DRAWINGS FOR ALL CONSTRUCTION WITHIN CITY RIGHTS OF WAY SHALL CONFORM TO THE REQUIREMENTS OF CITY OF TAMPA.
14. THE FOLLOWING INFORMATION (AT A MINIMUM) MUST BE PROVIDED ON AS-BUILT DRAWINGS:
  - \* LOCATE ALL DRAINAGE STRUCTURES IN TWO HORIZONTAL DIRECTIONS
  - \* INDICATE LOCATIONS AND ELEVATIONS FOR ALL DRAINAGE STRUCTURE TOPS, GRATES, STRUCTURE INVERTS, WEIRS, ORIFICES, AND PIPE INVERTS
  - \* PROVIDE HORIZONTAL AND VERTICAL LOCATION ALL MITERED END SECTIONS, ENDWALLS, CONCRETE COLLARS, DITCH PAVING OR OTHER DRAINAGE FEATURES CONSTRUCTED.
  - \* INDICATE ALL PIPE SIZES AND TYPE.
  - \* INDICATE DEPTH OF ALL PRESSURE PIPES (TOP OF PIPE ELEVATIONS ACCEPTABLE)
  - \* LOCATE ALL VALVES, CLEANOUTS, BLOWOFFS, OUTFALLS, BENDS AND OTHER APPURTENANCES OF PRESSURE PIPE SYSTEM.
  - \* OBTAIN TOP OF BANK, TOE OF SLOPE, GRADE BREAKS, BOTTOM OF POND, AND OTHER INFORMATION AS NECESSARY TO SHOW HORIZONTAL AND VERTICAL CONFORMANCE TO THE CONSTRUCTION PLANS.
  - \* OBTAIN SUFFICIENT ELEVATIONS ON ALL PAVEMENTS, CURB AND GUTTER, GRASSED AREAS, SIDEWALKS TO SHOW POSITIVE DRAINAGE AND CONFORMANCE WITH THE PLANS.

REVISIONS:			
NO.	DATE	DESCRIPTION	APPROVED

STATE OF FLORIDA CERTIFICATE  
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**SCOTT STREET LID IMPROVEMENTS**

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**GENERAL NOTES**

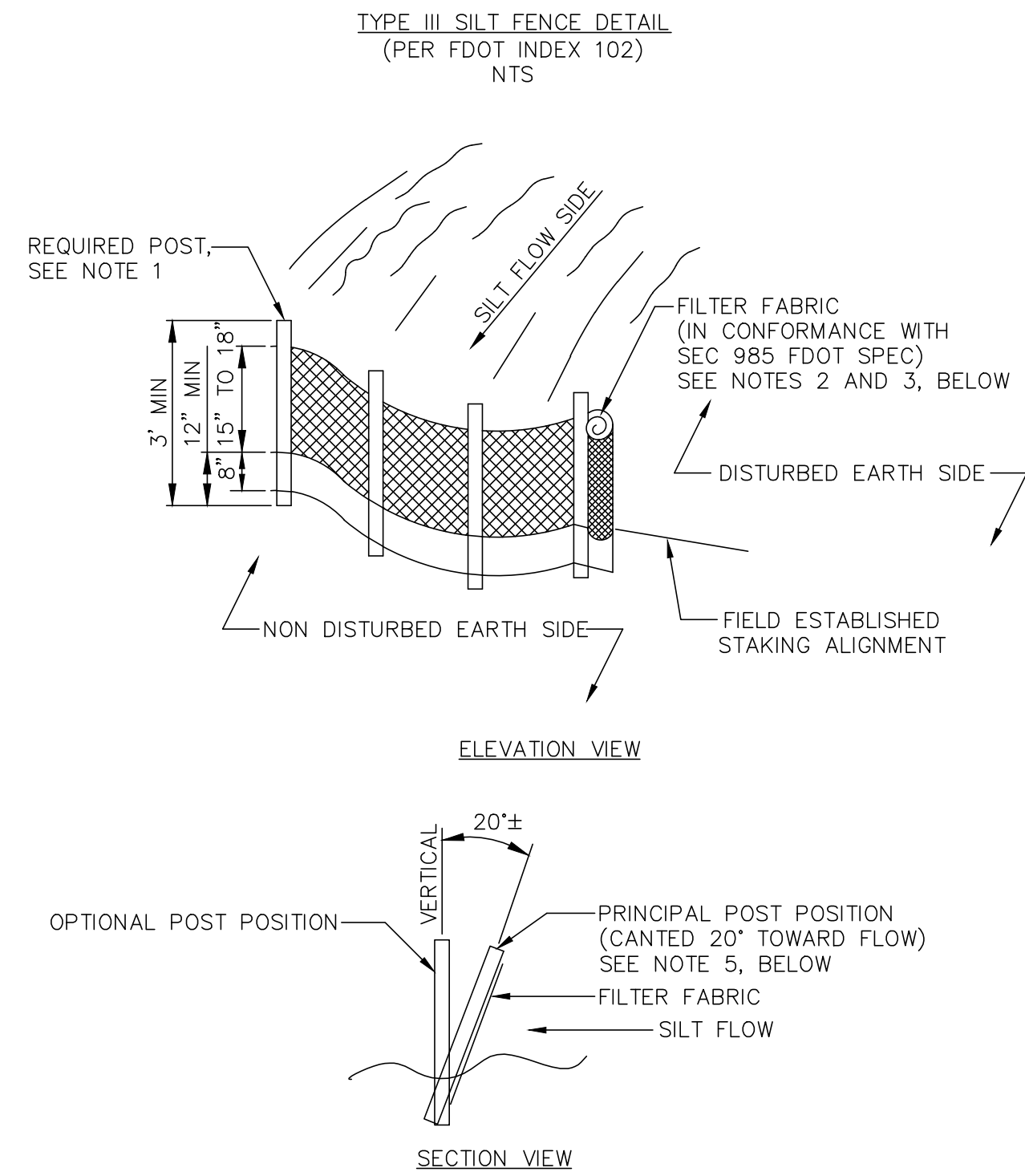
I hereby certify that the work contained herein was prepared under my direct supervision and complies with the requirements of Chapter 471, Florida Statutes and Chapter 83-160, Laws of Florida.

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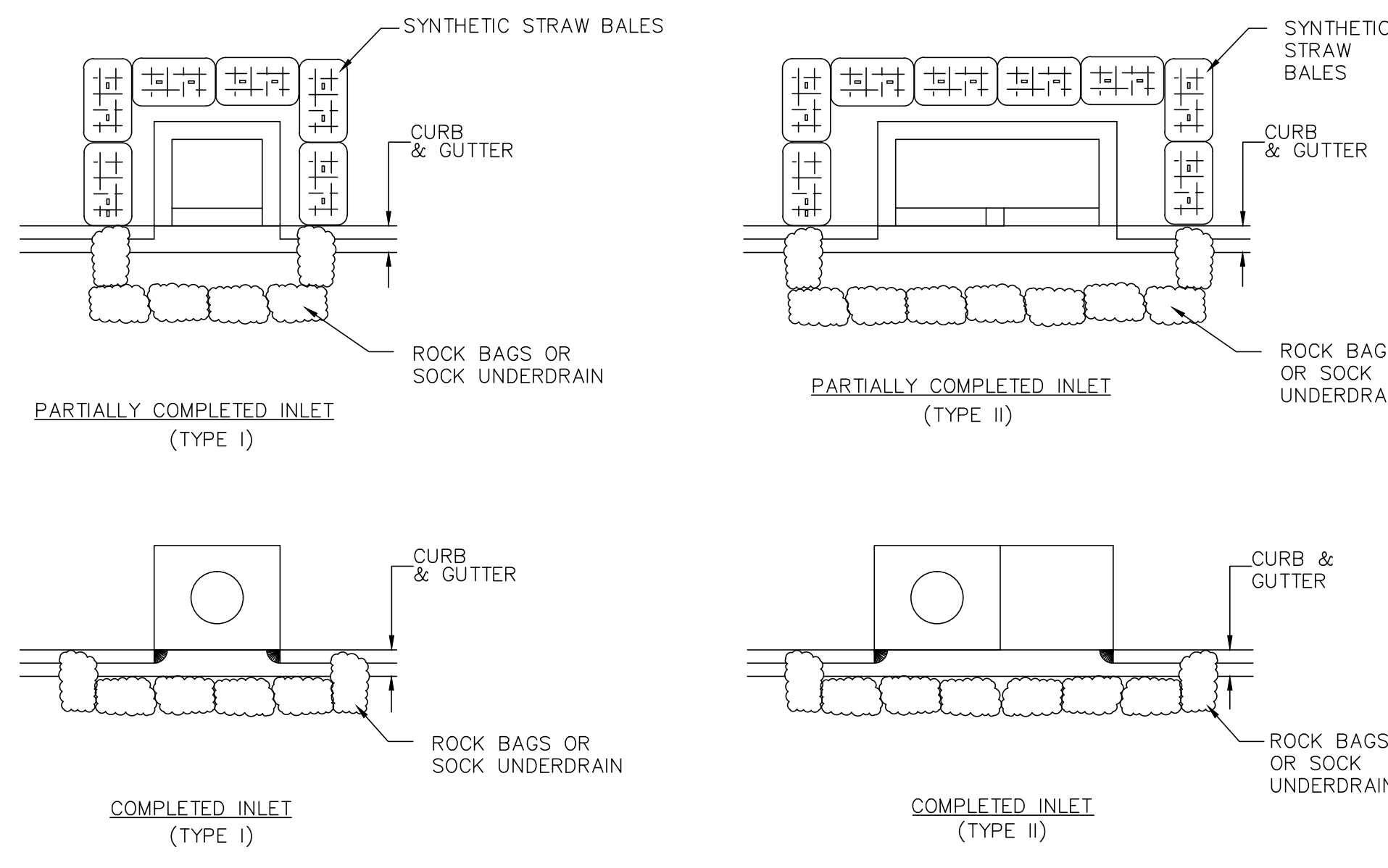
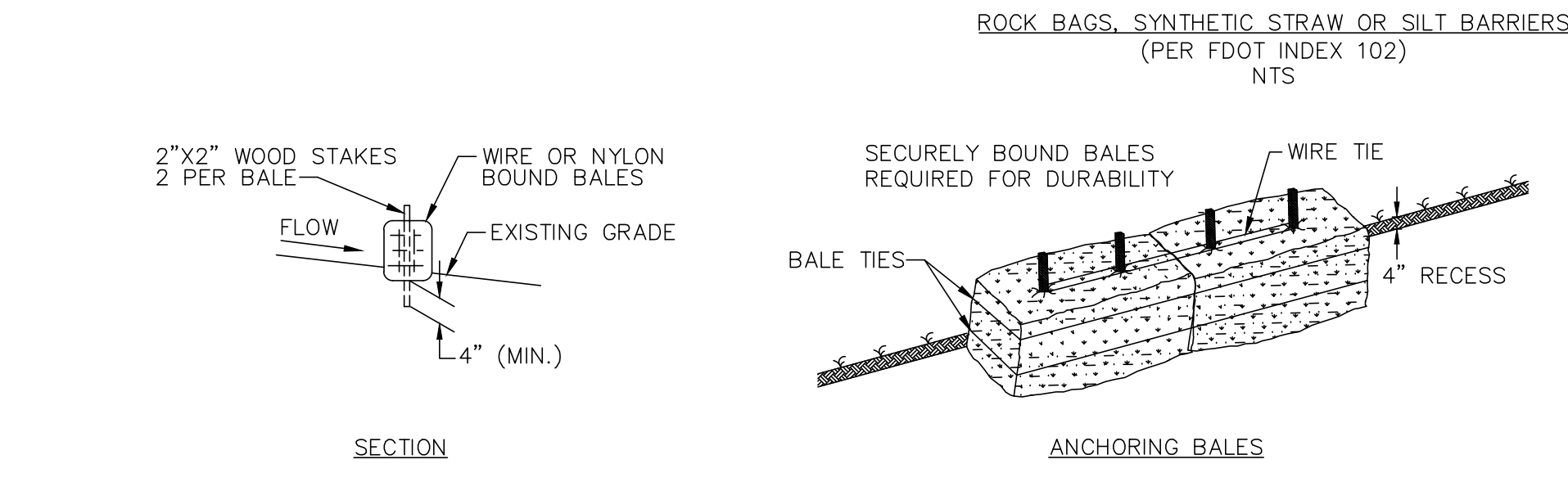
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DEREK L. DOUGHTY, P.E. – P.E. No. 54010

SHEET NO:  
**E-3**



- NOTES:
1. POST OPTIONS: SOFTWOOD 2 1/2" ø, SOFTWOOD 2"x4", HARDWOOD 1 1/2"x1 1/2", STEEL 1.33 LBS/FT AT 6"-0" CENTERS MAXIMUM.
  2. GEOTEXTILE; GRAB TENSILE AT 90 LBS, TRAPEZOIDAL TEAR AT 35 LBS., MULLEN BURST AT 180 PSI.
  3. GEOTEXTILE MATERIAL SHALL BE BURIED IN THE GROUND A MINIMUM OF 8" AND BACK FILLED.
  4. ALSO SEE FDOT INDEX 199, "GEOTEXTILE CRITERIA", EROSION CLASS.
  5. PRINCIPAL POST POSITION REQUIRED WHEN SLOPE IS GREATER THAN 1:2.



NOTE: CONTRACTOR MAY USE OTHER ACCEPTABLE EROSION CONTROL DEVICES AROUND INLETS AS APPROVED BY THE ENGINEER.

**EROSION CONTROL NOTES:**

**PRIOR TO INITIATING THE CONSTRUCTION ACTIVITIES:**  
THE CONTRACTOR MUST PROVIDE STAKED SILT SCREEN AROUND THE PROJECT AREA. THE STAKED SILT SCREEN MUST BE INSTALLED STRICTLY AS PER FDOT STANDARD INDEX 102.

**DURING CONSTRUCTION:**  
CHECK SILT SCREEN AND TURBIDITY BARRIER DAILY AND AFTER A RAINFALL REINSTALL THE SILT SCREEN AND TURBIDITY BARRIER IF REQUIRED.

- CONSTRUCTION CLOSE-OUT:**
- FULL SOD STABILIZATION SHALL OCCUR WITHIN 72 HOURS OF OBTAINING FINAL GRADE.
  - SOD ALL SLOPES AND DISTURBED AREAS IMMEDIATELY. ALL DISTURBED AREAS NOT REQUIRED TO BE SODDED BY THE PLANS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF WORK.
  - REMOVE SILT SCREEN AFTER ALL THE SLOPES ARE ESTABLISHED.

**EROSION AND SEDIMENT CONTROL NOTES**

1. AT OPTION OF CONTRACTOR, HAY BALES MAY BE USED FOR EROSION PROTECTION IN PLACE OF SILT FENCE (REF. FDOT INDEX 102).
2. HAY BALES OR SILT SCREENS SHOULD BE PLACED AT ANY POINTS WHERE OFFSITE SEDIMENTATION OR EROSION MAY OCCUR. BARRIERS ARE TO BE SET BEFORE CONSTRUCTION BEGINS AND MAINTAINED UNTIL FINAL SOIL STABILIZATION.
3. THE HAY BALES OR SILT SCREENS SHALL BE INSPECTED BEFORE CONSTRUCTION COMMENCEMENT.
4. THE CONTRACTOR SHALL MAINTAIN SILT BARRIERS AND OTHER EROSION CONTROL MEASURES THROUGHOUT TIME OF CONSTRUCTION ACTIVITY.
5. CONTRACTOR SHALL REMOVE EROSION CONTROL BARRIER UPON COMPLETION OF CONSTRUCTION.
6. AREAS SUBJECT TO EROSION SHOULD BE IMMEDIATELY REPAIRED AND RESTABILIZED WITH SEED OR SOD FOLLOWING A RAINFALL EVENT.
7. SWALES AND DRAINAGE AREAS SHOULD BE KEPT CLEAN OF DEBRIS AND TRASH ON A WEEKLY BASIS.
8. FULL SOD STABILIZATION SHALL OCCUR WITHIN 72 HOURS OF OBTAINING FINAL GRADE.

**CONSTRUCTION SEQUENCE AND MAINTENANCE SCHEDULE FOR EROSION CONTROL**

1. ALL EROSION CONTROL DEVICES AS INDICATED ON THESE PLANS SHALL BE INSTALLED AND INSPECTED BY THE CITY OF TAMPA PRIOR TO THE START OF ANY CONSTRUCTION.
2. DAILY INSPECTION OF THE EROSION CONTROL WILL BE REQUIRED BY THE CONTRACTOR. ANY DISTURBANCE OF THESE DEVICES SHALL BE REPAIRED IMMEDIATELY.
3. SILTATION ACCUMULATIONS GREATER THAN THE LESSER OF 12 INCHES OR ONE HALF THE DEPTH OF THE SILTATION CONTROL BARRIER SHALL BE IMMEDIATELY REMOVED AND PLACED IN UPLAND AREAS.
4. MAINTENANCE OF ALL EROSION CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THE LIFE OF THE PROJECT OR UNTIL APPROVED FOR REMOVAL BY THE CITY PROJECT MANAGER OR ENGINEER.

**EROSION PROTECTION THRU PROPER CONSTRUCTION TECHNIQUES**

THE CONTRACTOR IS RESPONSIBLE FOR SITE CONDITIONS FROM THE DATE OF NOTICE TO PROCEED, UNTIL THE PROJECT IS ACCEPTED BY THE OWNER, ENGINEER AND EITHER THE CITY OR COUNTY WITHIN WHICH JURISDICTION THE PROJECT LIES. ACCORDINGLY, THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO CONTROL FUGITIVE DUST AND EROSION. PROTECTION FROM EROSION INTO EXISTING WETLANDS, DRAINAGE WAYS, CONSERVATION AREAS, NATURAL AREAS AND OFFSITE AREAS, AS WELL AS NEWLY CONSTRUCTED ROADWAYS, STORMWATER FACILITIES AND MITIGATION AREAS, IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MANAGE HIS WORK SO AS TO PREVENT EROSION. THIS MAY REQUIRE ADDITIONAL MEASURES FROM THOSE SHOWN ON THE CONSTRUCTION PLANS, SUCH AS WINDROWS, DIVERSION SWALES, SEED & MULCH, STAKED HAY BALES, OR OTHER EROSION CONTROL MEASURES NECESSARY TO REACT TO VARYING SITE CONDITIONS OR INCLEMENT WEATHER. IF EROSION OCCURS, THE CONTRACTOR SHALL IMMEDIATELY REMEDY THE DAMAGE CAUSED BY SUCH EROSION BY CONTROLLED REMOVAL OF SEDIMENTS, REPLANTING IF NECESSARY AND REESTABLISHMENT OF EROSION PROTECTION DEVICES, AT THE CONTRACTOR'S SOLE EXPENSE.

- NOTES:
1. CONSTRUCTION ACTIVITIES ON THIS PROJECT SHALL NOT ADVERSELY AFFECT THE QUALITY OF DOWNSTREAM WATERS. IN ORDER TO PREVENT THIS, THE PERIMETER GRADING OF BERMS AND SWALES SHALL BE CONSTRUCTED EARLY IN THE CONSTRUCTION SCHEDULE AND RE-VEGETATED AS SOON AS POSSIBLE WITH A MULCHED COVER TO PREVENT BOTH WIND AND WATER EROSION. TEMPORARY CHECK DAMS ARE TO BE CONSTRUCTED AROUND THE PERIMETER OF ALL RETENTION PONDS WHERE INFLOW IS TO BE BY SHEET FLOW UNTIL SUCH TIME AS THE RE-VEGETATED SIDE SLOPES ARE SUFFICIENTLY STABILIZED WITH GOOD COVER. IN SOME INSTANCES RE-VEGETATION MAY REQUIRE THE PLACEMENT OF SOD.

2. CONSTRUCTION ENTRANCES PROVIDE AN AREA WHERE MUD CAN BE REMOVED FROM CONSTRUCTION VEHICLE TIRES BEFORE THEY ENTER A PUBLIC ROAD. A TEMPORARY GRAVEL CONSTRUCTION ENTRANCE AND EXIT SHALL BE PROVIDED TO MINIMIZE THIS OCCURRENCE. IF THE GRAVEL PAD IS NOT SUFFICIENT TO REMOVE MOST OF THE MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLE ENTERS A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE. CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY CONSTRUCTION VEHICLES. FOR DESIGN CRITERIA, CONSTRUCTION SPECIFICATIONS AND MAINTENANCE REQUIREMENTS, PLEASE REFER TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S FLORIDA STORMWATER, EROSION, AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL (LATEST EDITION), CHAPTER 4 - BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL, SECTION 4.03.

- A. STABILIZED CONSTRUCTION ENTRANCE SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
1. WHEREVER VEHICLES ARE LEAVING A CONSTRUCTION SITE AND ENTER ONTO A PUBLIC ROAD.
  2. AT ANY UNPAVED ENTRANCE/EXIT LOCATION WHERE THERE IS A RISK OF TRANSPORTING MUD OR SEDIMENT ONTO PAVED ROAD.
  3. THE WIDTH SHOULD BE AT LEAST 12 FEET OR AS WIDE AS THE ENTIRE WIDTH OF THE ACCESS.
  4. THE LENGTH SHOULD BE BETWEEN 50 TO 75 FEET IN LENGTH.
  5. FLARE THE ENTRANCE WHERE IT MEETS THE EXISTING ROAD TO PRESERVE A TURNING RADIUS (MIN. 25' R).
  6. RUNOFF FROM A STABILIZED CONSTRUCTION ENTRANCE SHOULD DRAIN TO A SEDIMENT TRAP OR SEDIMENT BASIN.
  7. DUST CONTROL SHOULD BE PROVIDED IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN.
- B. CONSTRUCTION SPECIFICATIONS:
1. CLEAR ALL VEGETATION ROOTS AND ALL OTHER OBSTRUCTIONS IN PREPARATION FOR GRADING.
  2. PRIOR TO PLACING GEOTEXTILE (FILTER FABRIC) MAKE SURE THAT THE ENTRANCE IS PROPERLY GRADED AND COMPACTED. SEE GEOTEXTILE REQUIREMENTS.
  3. TO REDUCE MAINTENANCE AND LOSS OF AGGREGATE PLACE GEOTEXTILE (FILTER FABRIC) OVER THE EXISTING GROUND BEFORE PLACING THE STONE FOR THE ENTRANCE.
  4. STONE SHOULD BE PLACED TO A DEPTH OF 6 IN. OR GREATER FOR THE ENTIRE WIDTH AND LENGTH OF THE STABILIZED CONSTRUCTION ENTRANCE.
- C. MAINTENANCE:
1. INSPECT ON A REGULAR BASIS AND AFTER THERE HAS BEEN A HIGH VOLUME OF TRAFFIC OR STORM EVENT.
  2. APPLY ADDITIONAL STONE PERIODICALLY AND WHEN REPAIR IS REQUIRED.
  3. IMMEDIATELY REMOVE SEDIMENTS OR ANY OTHER MATERIALS TRACKED ONTO THE PUBLIC ROADWAY.
  4. ENSURE THAT ASSOCIATED SEDIMENT CONTROL MEASURES ARE IN GOOD WORKING CONDITION.

**GEOTEXTILE REQUIREMENTS (PER FDOT INDEX 102)**

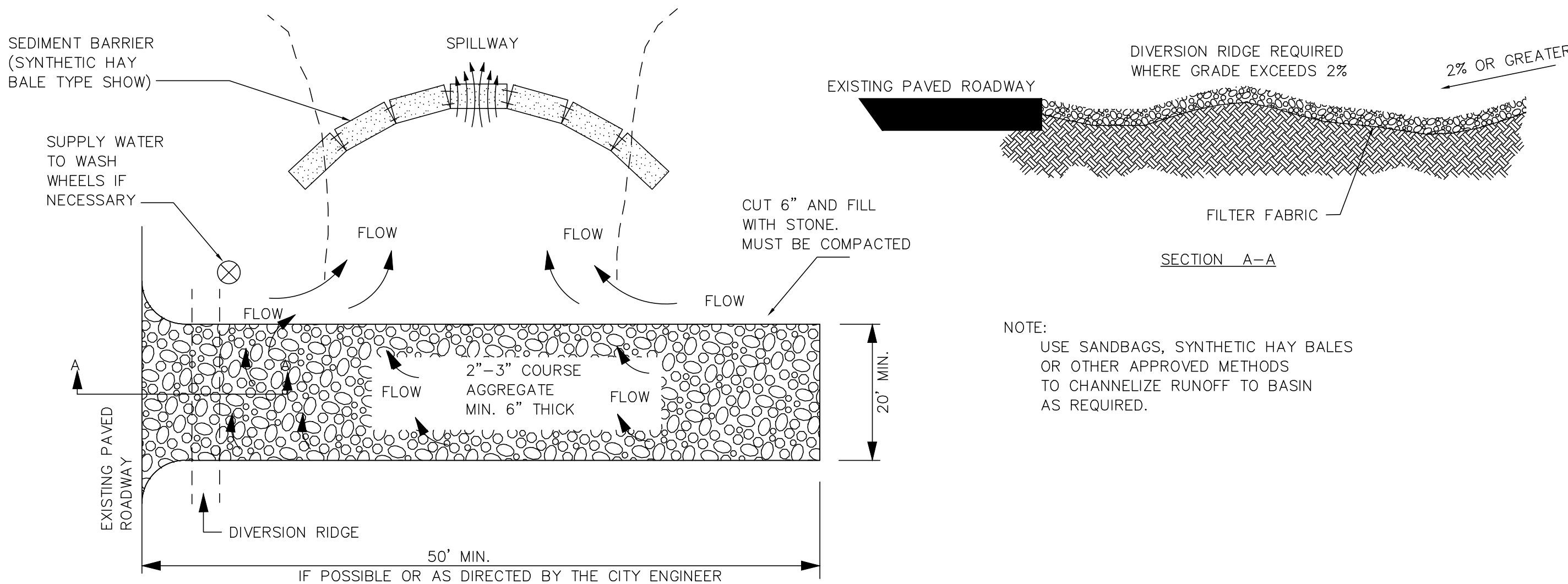
PHYSICAL PROPERTY	REQUIREMENTS
GRAB TENSILE STRENGTH	200 LBS (ASTM D4632)
ELONGATION FAILURE	50% (ASTM D4632)
MULLEN BURST STRENGTH	320 LBS (ASTM D3786)
PUNCTURE STRENGTH	80 LBS (ASTM D4833)
AOS	SIZE 70-100 (US SIEVE) (ASTM D4751)
PERMEABILITY	1X10-2CM/SEC (ASTM D4491)
TRAPEZOIDAL TEAR	50 LBS (ASTM D4533)
SEAM STRENGTH	180 LBS
U.V. RESISTANCE (MIN. ALLOWED)	80% 500 HRS

NOTE: WOVEN MONOFILAMENT ONLY MINIMUM ELONGATION 15%  
AOS DESIGN GUIDE:  
SOIL WITH > 50% PASSING NO. 200 SIEVE, A.O.S. RANGE IS 100-140.  
SOIL WITH > 15% BUT < 50% PASSING NO. 200 SIEVE, A.O.S. RANGE IS 70-100.  
SOIL WITH < 15% PASSING NO. 200 SIEVE, A.O.S. RANGE IS 40-70.

**CSWMP ACKNOWLEDGEMENT**

PROPERTY OWNER (PRINT): \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_  
PRINT NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE NTS**



- NOTE: USE SANDBAGS, SYNTHETIC HAY BAILES OR OTHER APPROVED METHODS TO CHANNELIZE RUNOFF TO BASIN AS REQUIRED.
- NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF WAY OR STORM WATER SYSTEMS. THEY MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
  2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE INTO THE PUBLIC RIGHT-OF-WAY.
  3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

**REVISIONS:**

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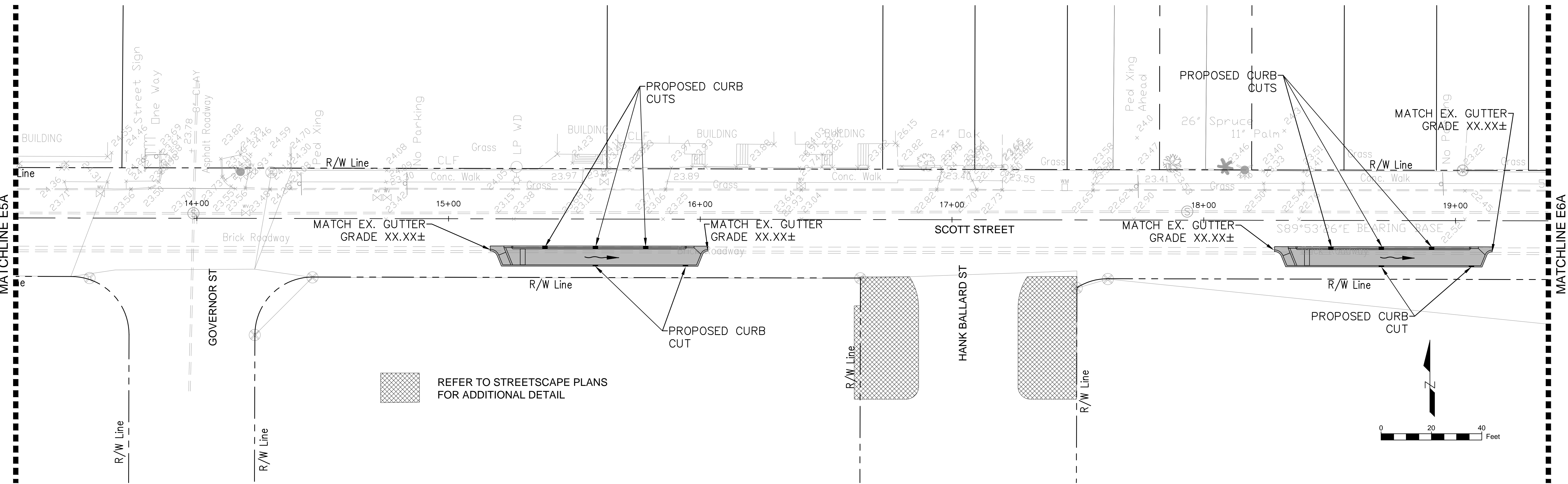
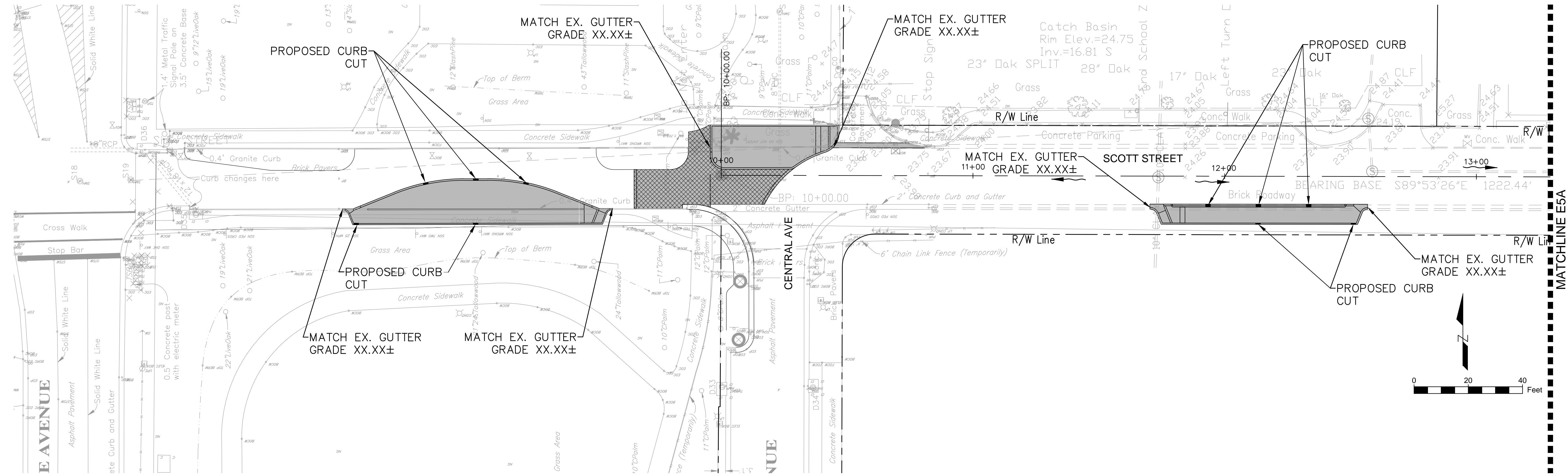
NAME	DATE
DESIGNED BY: RSW	12/22/15
DRAWN BY: MKH	12/22/15
CHECKED BY: DLD	12/22/15
SCALE: AS SHOWN	
PROJECT NO.:	

**SCOTT STREET LID IMPROVEMENTS**  
**EROSION CONTROL DETAILS**

I hereby certify that the work contained herein was prepared under my direct supervision and complies with the requirements of Chapter 471, Florida Statutes and Chapter 83-160, Laws of Florida.

NOT VALID UNLESS EMBOSSED WITH ENGINEERS' SEAL  
DEREK L. DOUGHTY, P.E. - P.E. No. 54010

SHEET NO:  
**E-4**



REVISIONS:			
NO.	DATE	DESCRIPTION	APPROVED

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 TAMPA, FLORIDA 33602  
 PH: (813) 628-0900 – FAX: (813) 434-2454



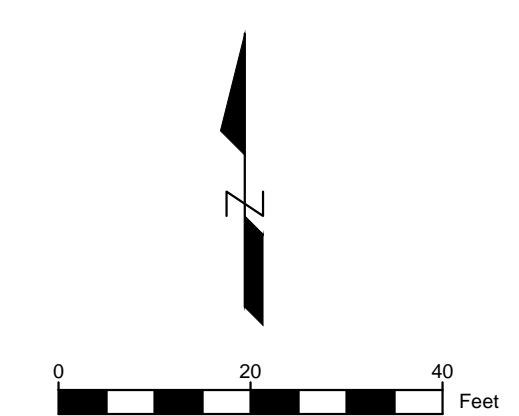
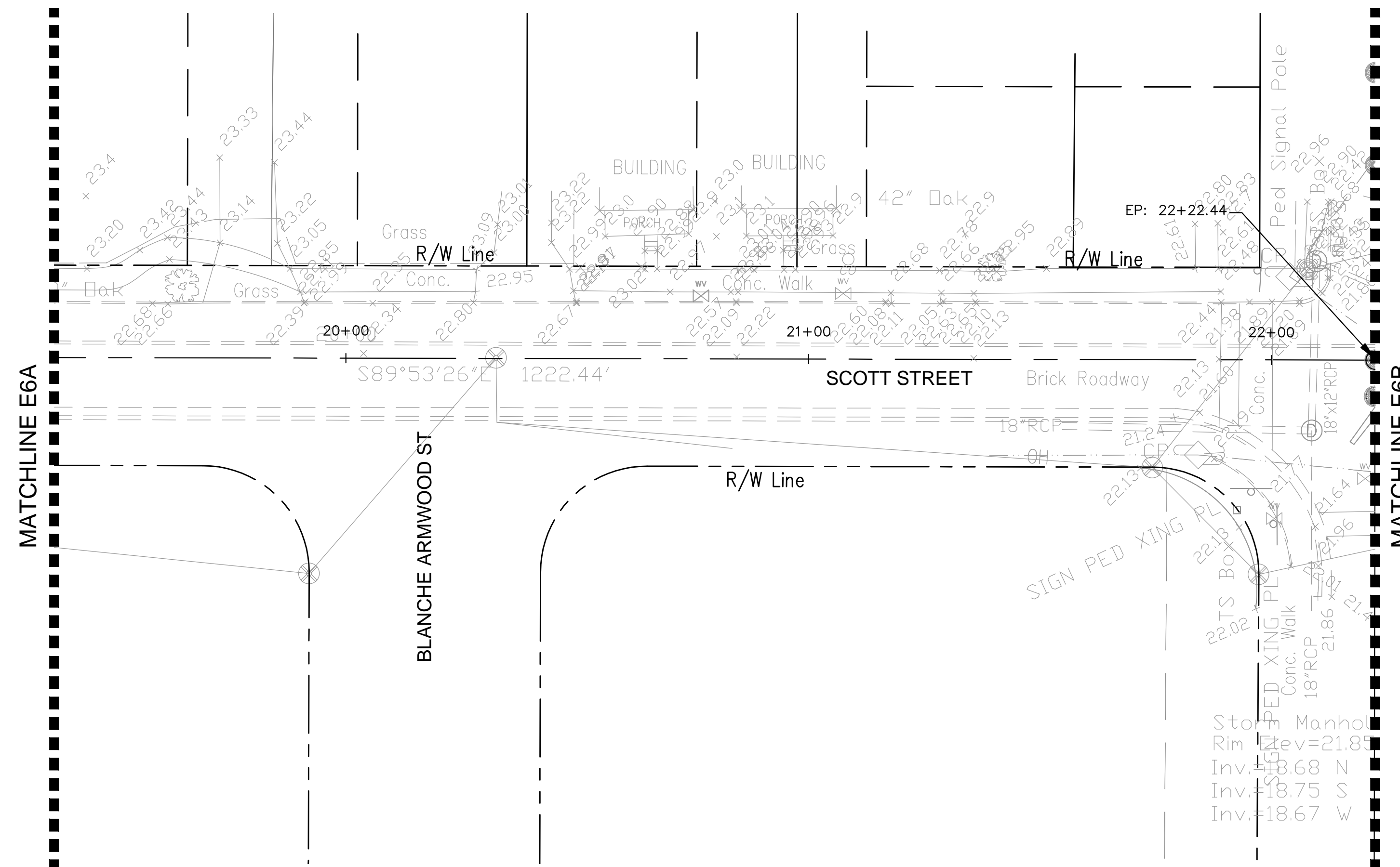
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PROJECT NO.:	

**SCOTT STREET IMPROVEMENTS**  
**PAVING GRADING AND DRAINAGE PLAN**

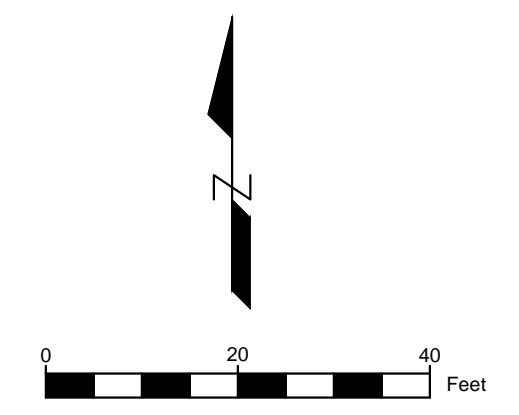
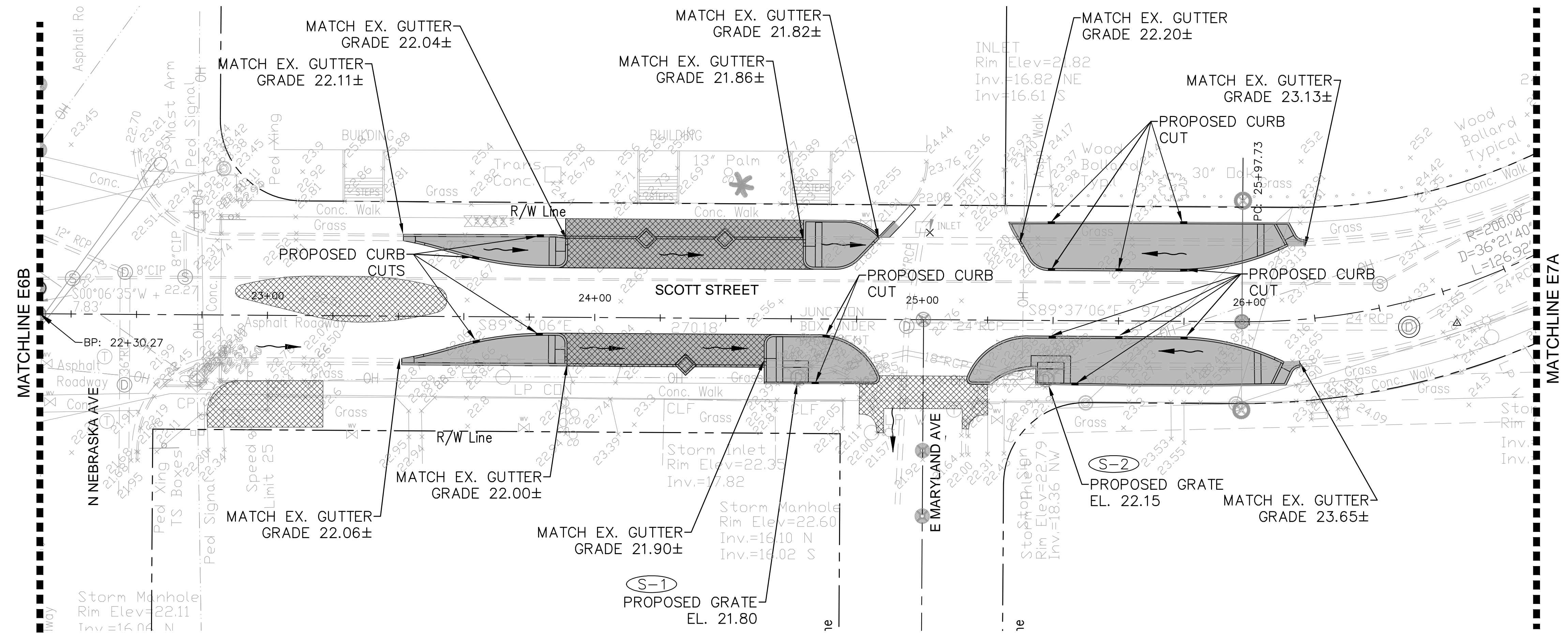
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 1000 N. ASHLEY DRIVE, SUITE 500  
 TAMPA, FLORIDA 33602  
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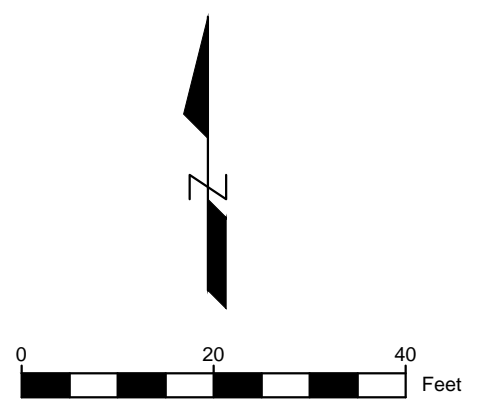
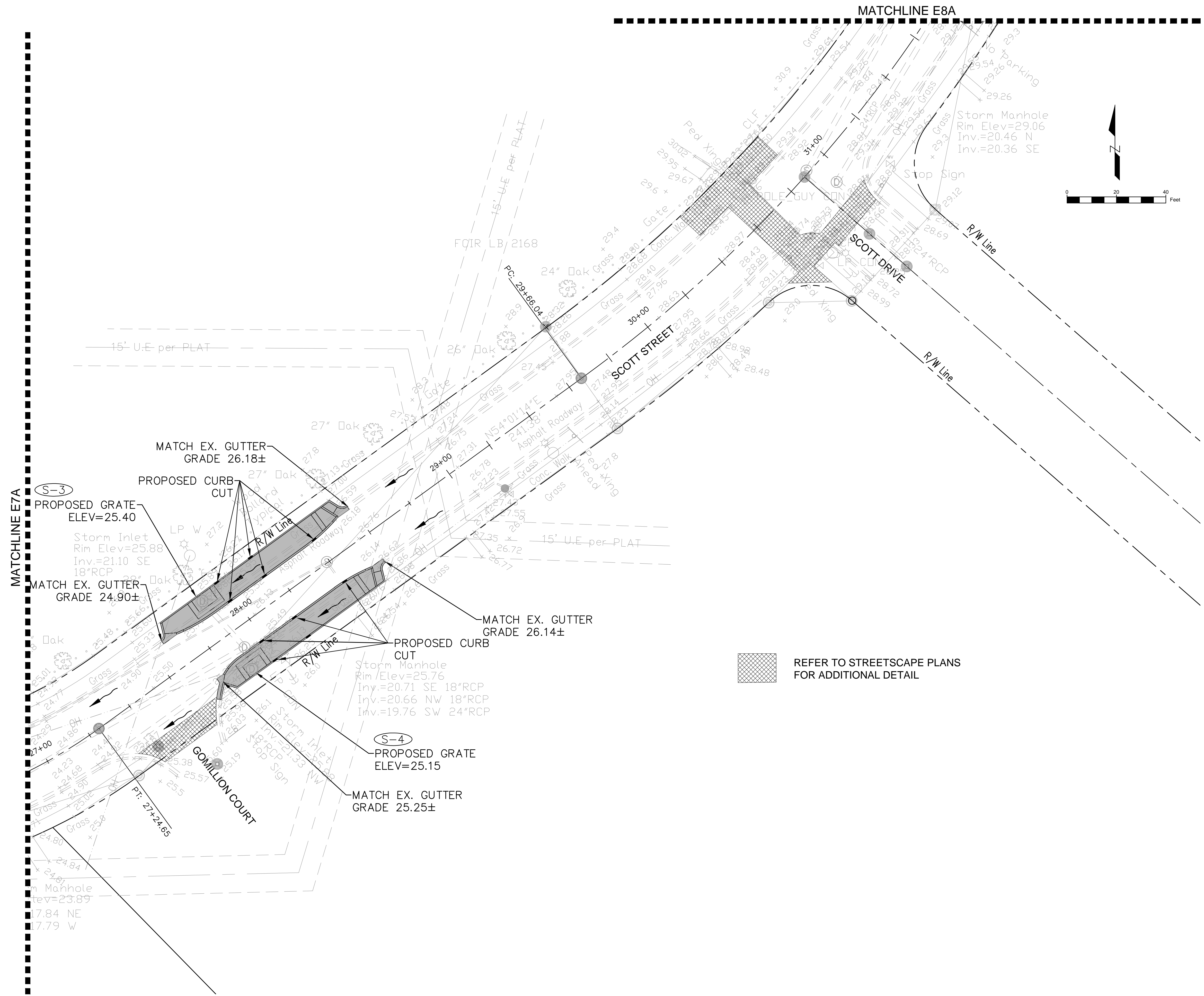
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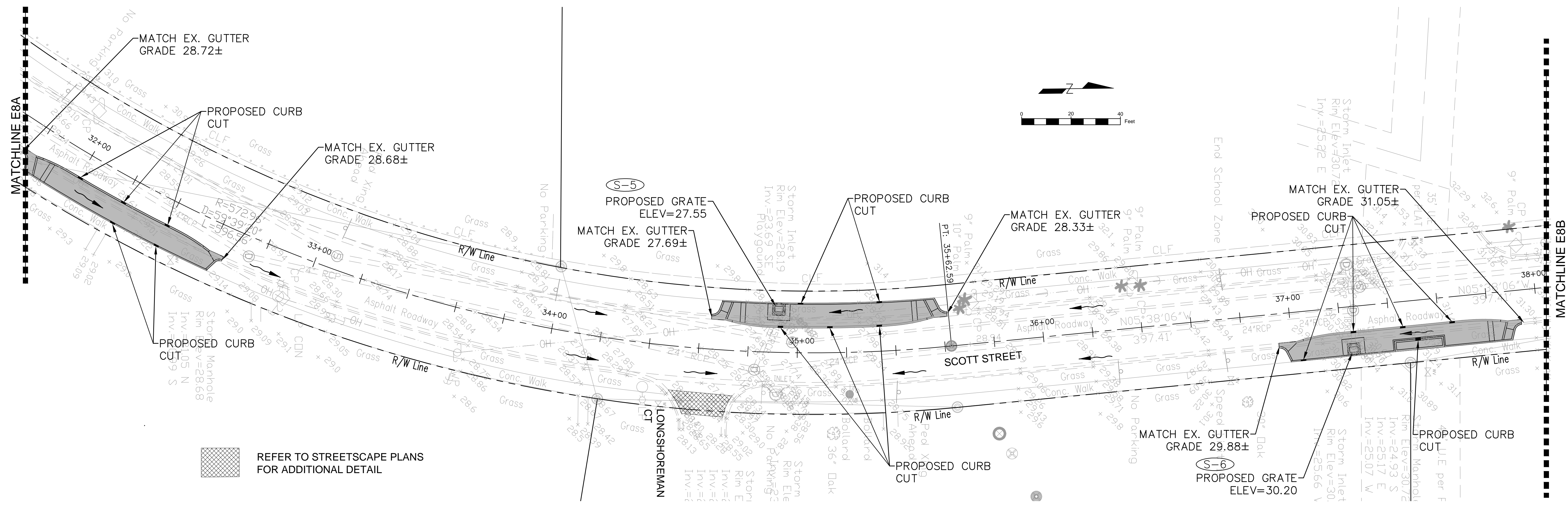
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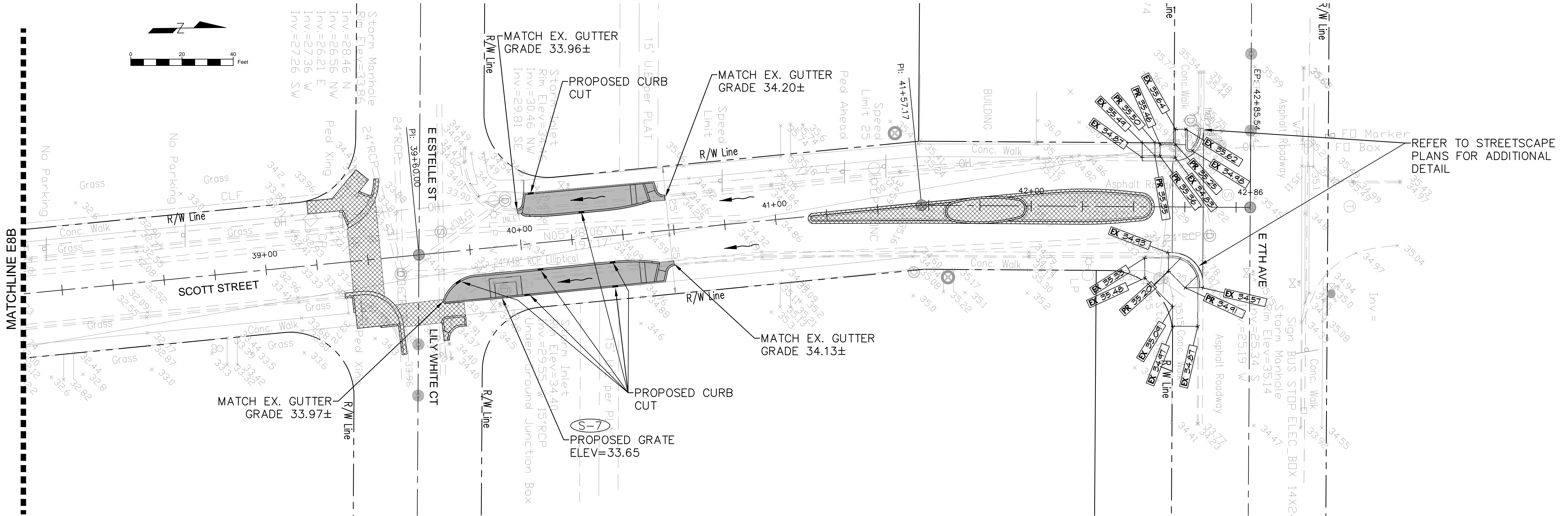
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SHEET NO:  
**E-7**





REFER TO STREETSCAPE PLANS FOR ADDITIONAL DETAIL



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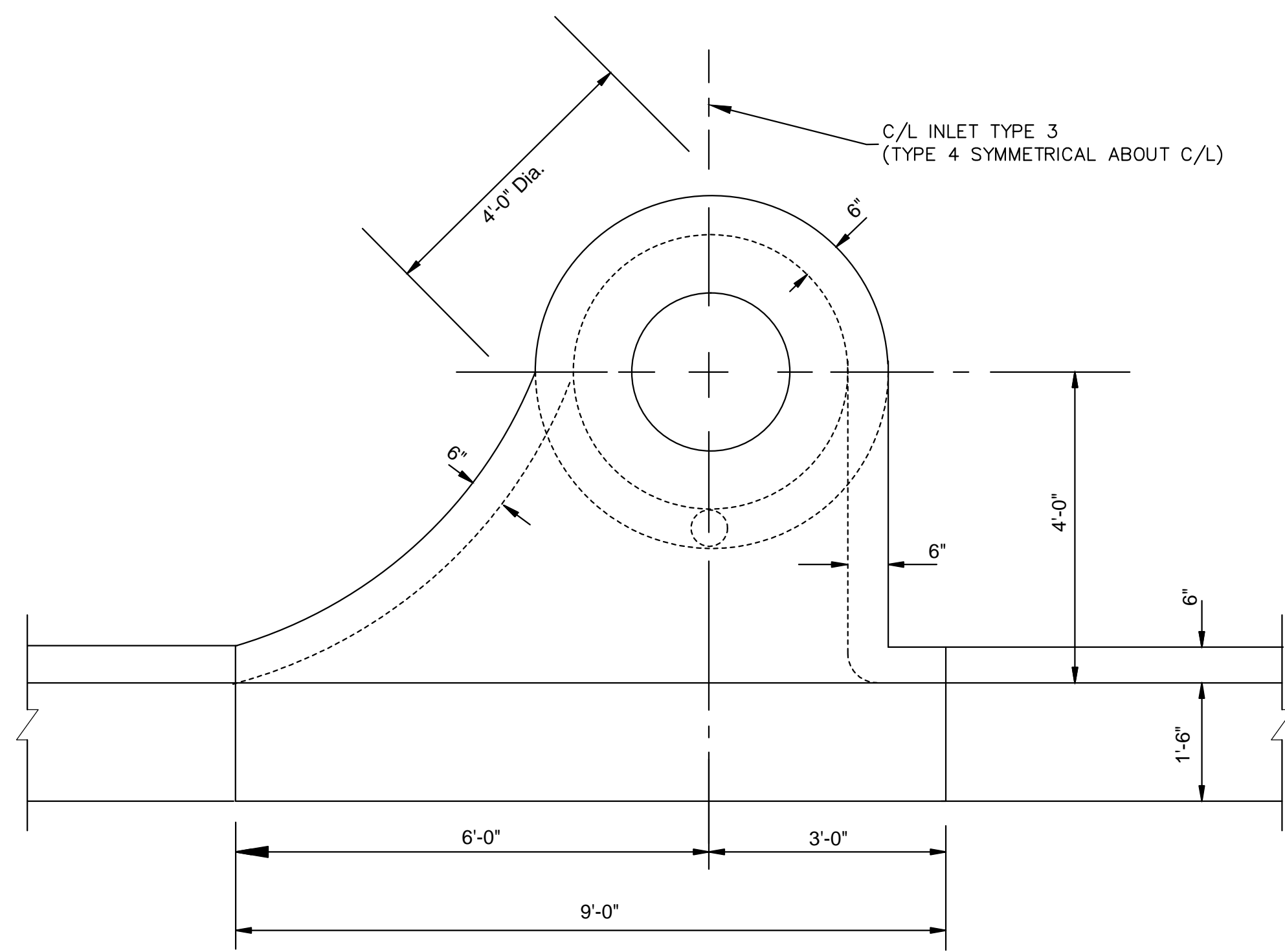


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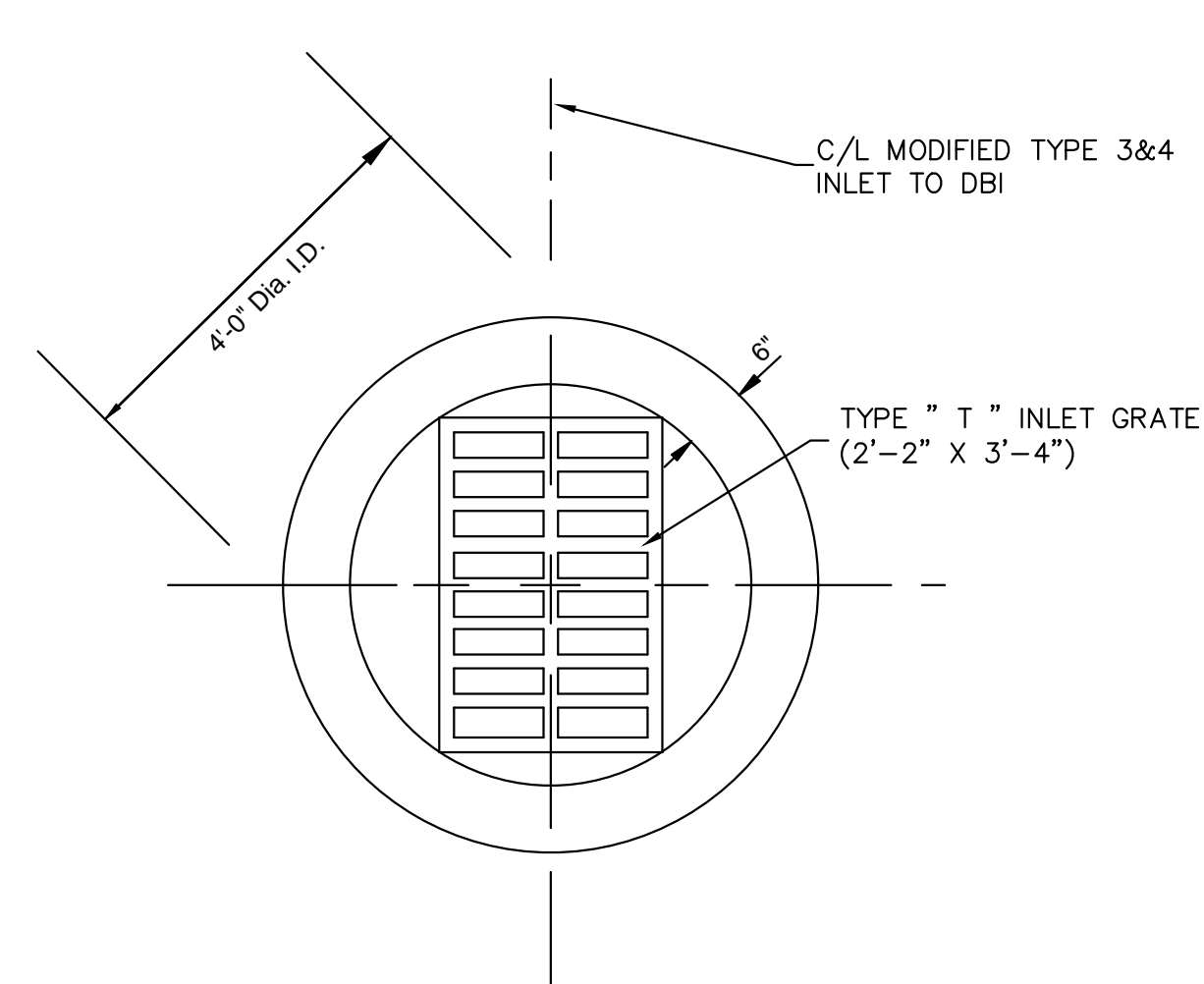
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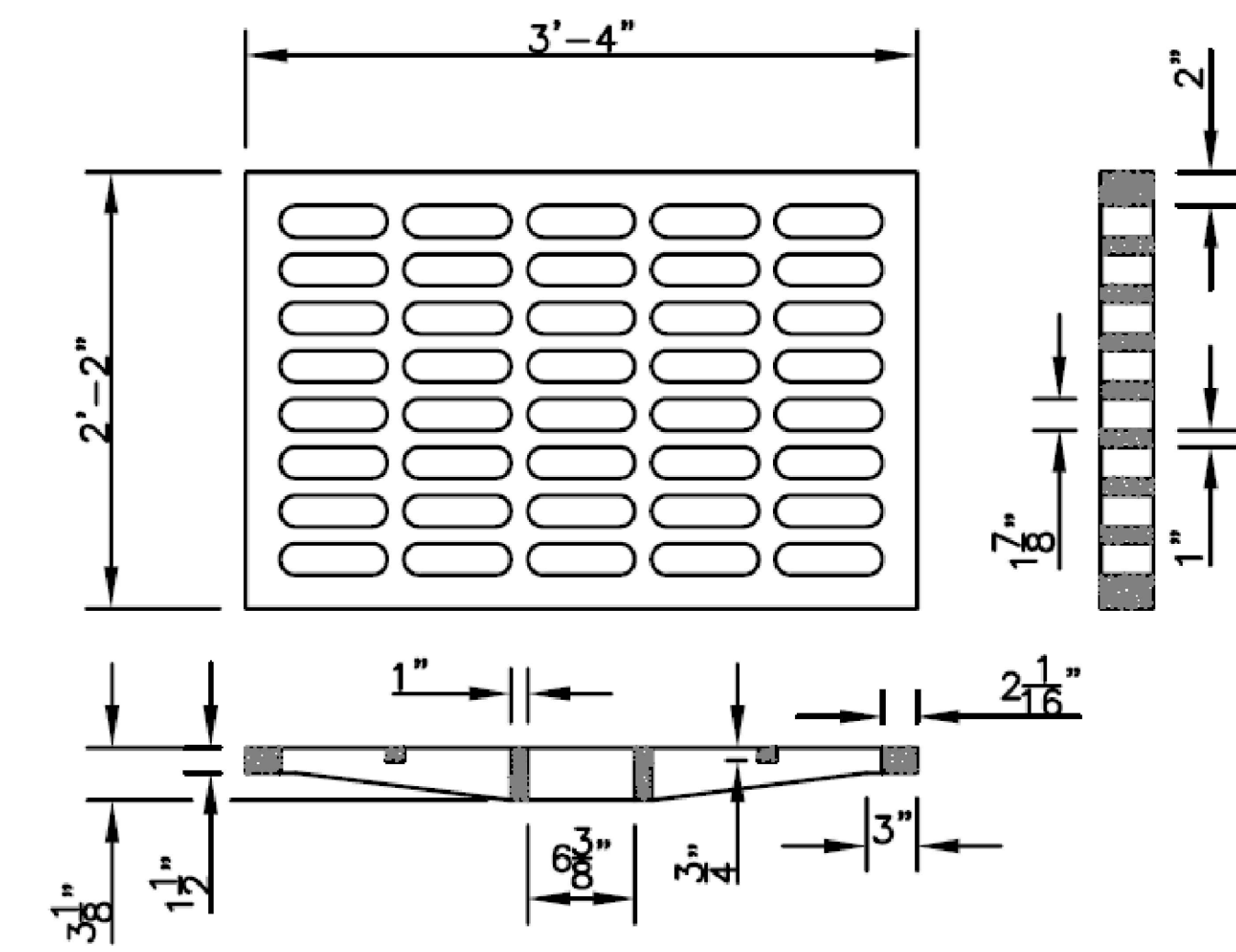
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EXISTING PLAN VIEW



PROPOSED PLAN VIEW

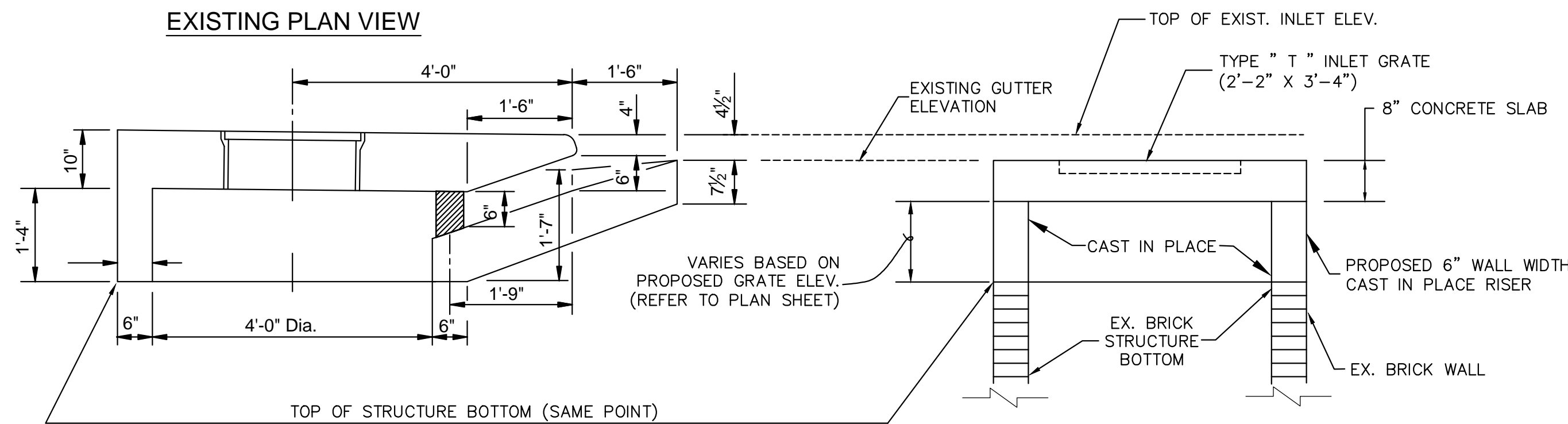


TYPE "T" INLET  
CAST IRON GRATING

Traffic Bearing

CITY OF TAMPA STANDARD DETAILS  
SCHEDULE OF CASTINGS  
TYPE T GRATE INLETS: USF 6289

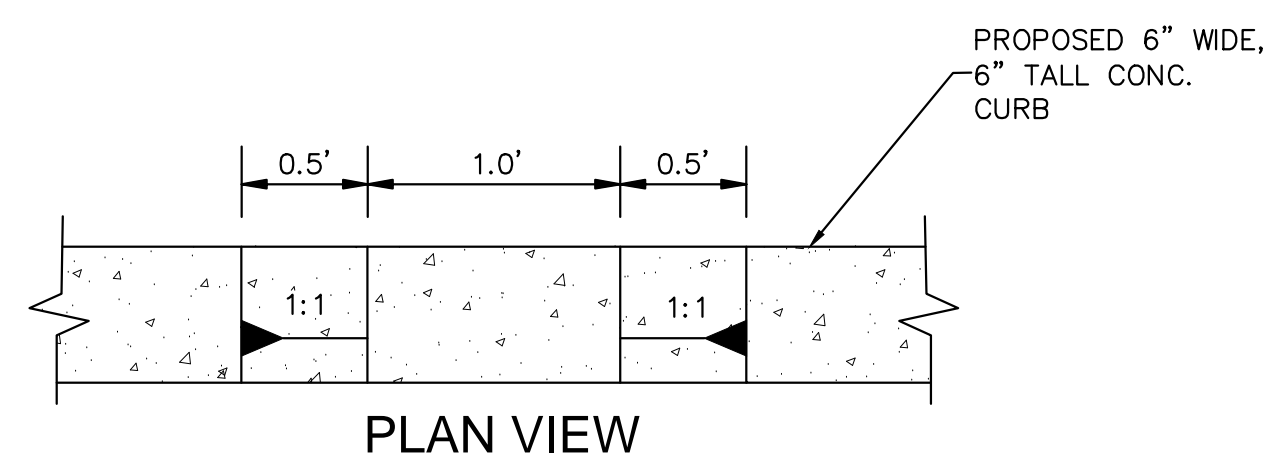
NOTE: REFER TO  
EROSION CONTROL  
DETAILS FOR EROSION  
CONTROL MEASURES



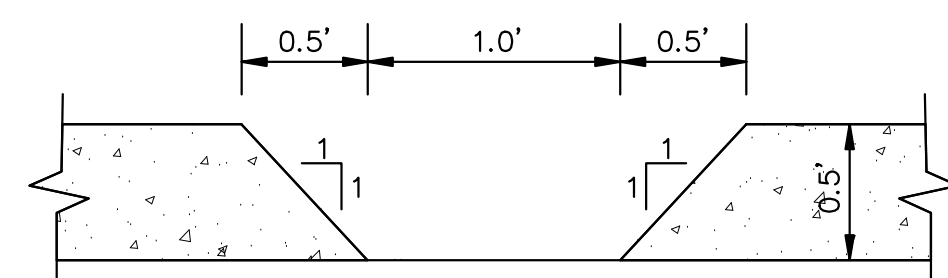
EXISTING STRUCTURE TOP SECTION TO BE REPLACED

PROPOSED STRUCTURE TOP SECTION

FDOT TYPE 3 & 4 INLET MODIFICATION



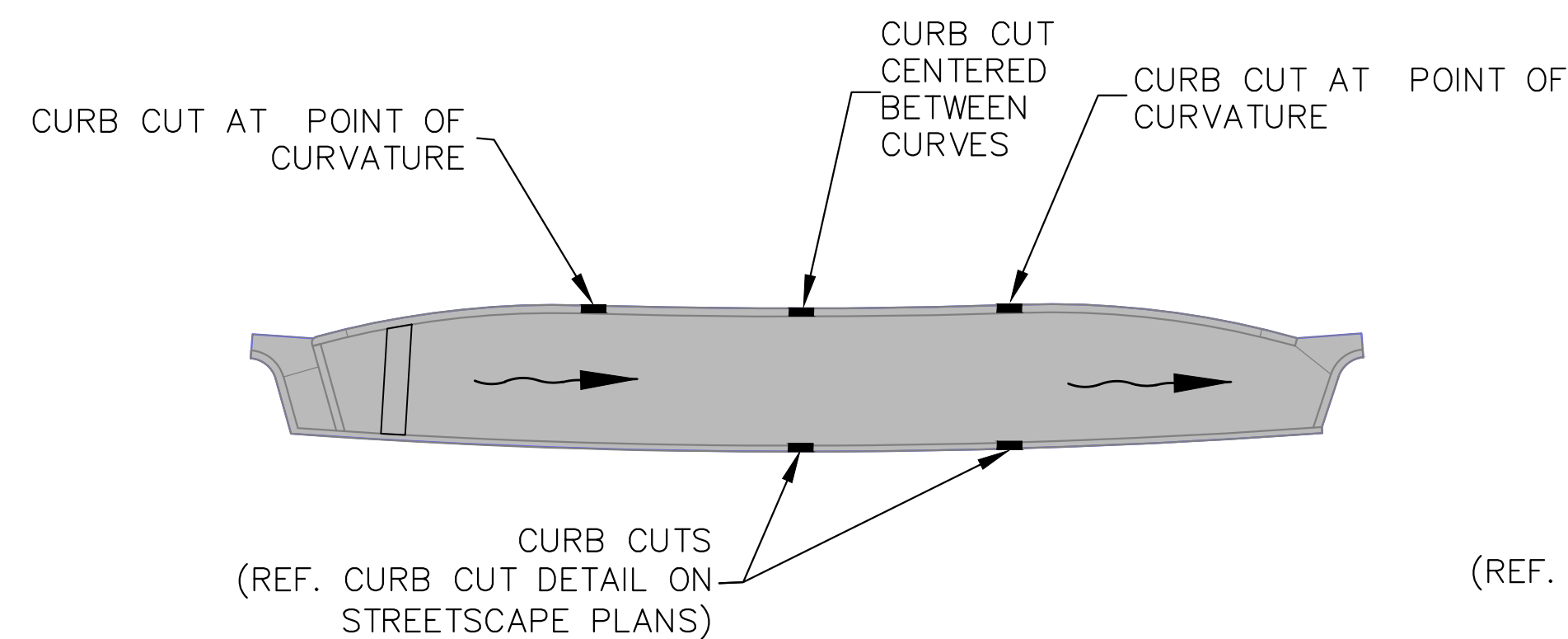
PLAN VIEW



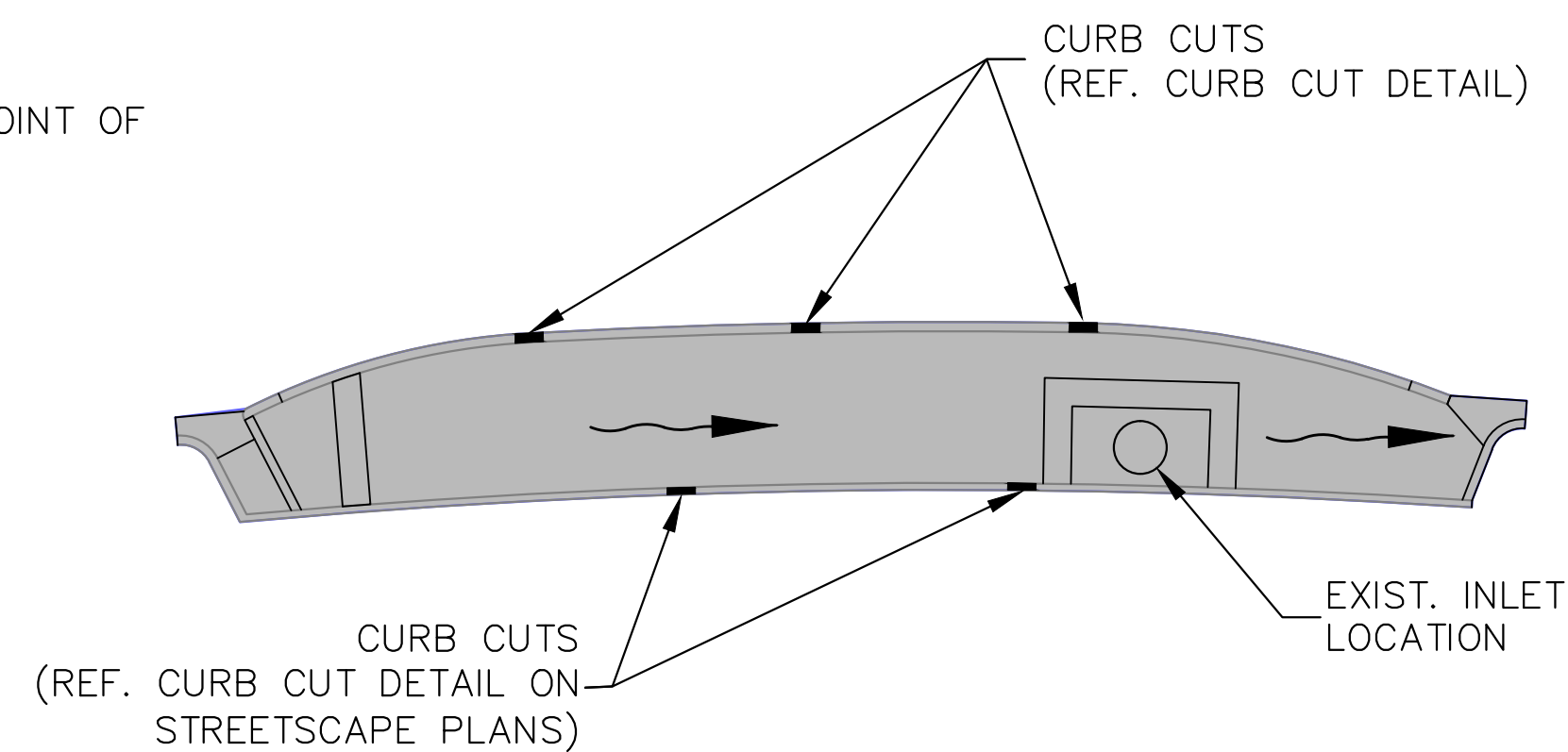
SECTION VIEW

NOTE: REFER TO  
STREETSCAPE PLANS FOR 3"  
CURBCUTS LOCATED AT  
BACK OF SIDEWALK

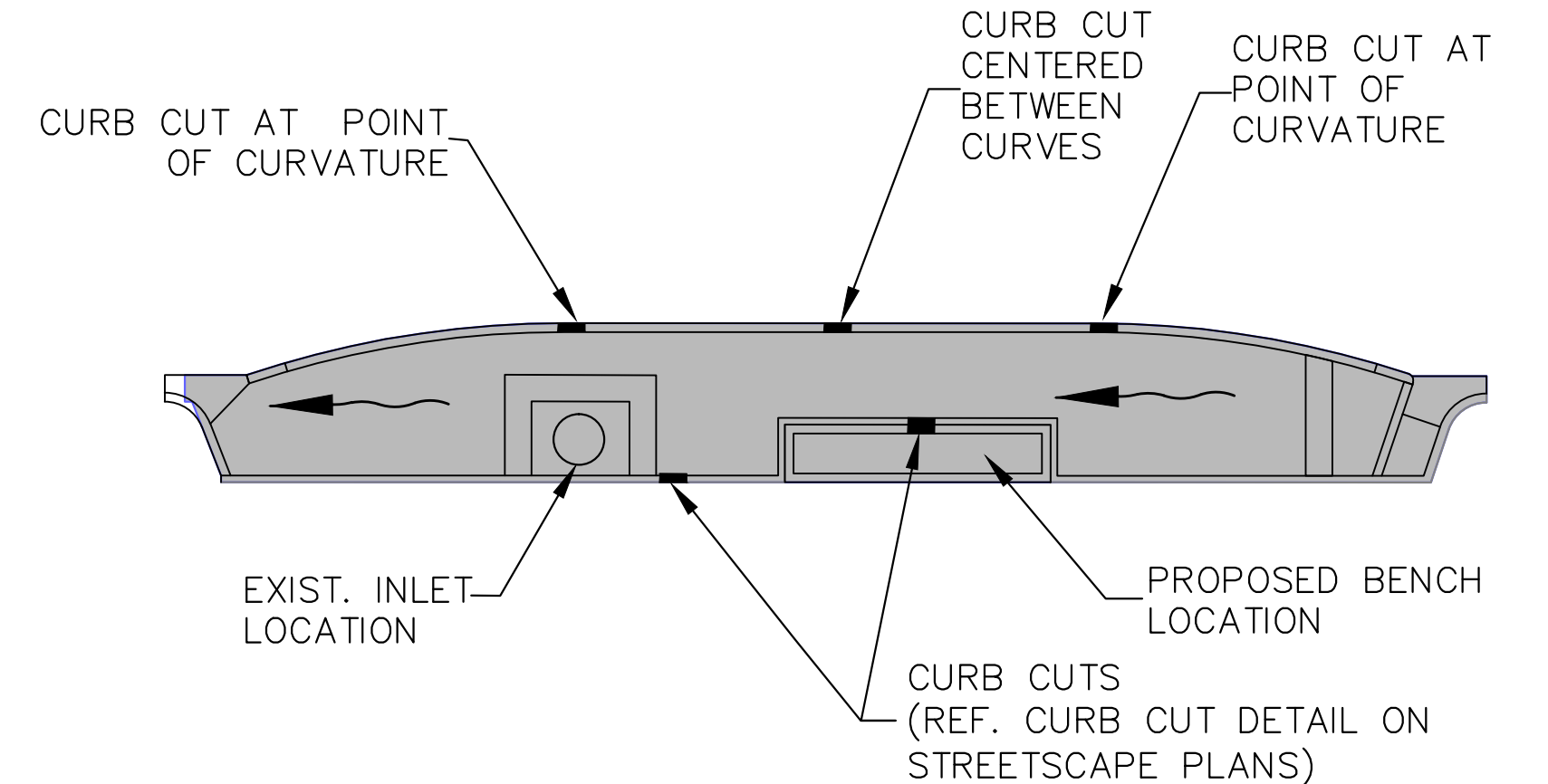
CURB CUT DETAIL



TYPICAL CURB CUT LOCATIONS FOR  
SIB'S WITHOUT INLETS



TYPICAL CURB CUT LOCATIONS FOR SIB'S WITH INLETS



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1000 N. ASHLEY DRIVE, SUITE 500  
TAMPA, FLORIDA 33602  
PH: (813) 628-0900 - FAX: (813) 434-2454

City of Tampa  
Florida

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PROJECT NO.:	

SCOTT STREET LID IMPROVEMENTS

PAVING GRADING AND DRAINAGE PLAN

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DEREK L. DOUGHTY, P.E. - P.E. No. 54010

SHEET NO:  
**E-9**

Revisions:		
No.	Issue	Date

## NOTICE TO ALL CONTRACTORS:

- 1) THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION, PROTECTION AND RELOCATION OF ALL UNDERGROUND UTILITIES.
- 2) THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS NECESSARY TO COMPLETE THE REQUIRED WORK AND SHALL ARRANGE FOR AND PROVIDE ALL UTILITY CONNECTIONS, METERS, ETC. TO EXISTING SERVICES.
- 3) THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL MATERIAL, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY FOR COMPLETION OF WORK SHOWN ON THESE PLANS. ALL MATERIAL AND EQUIPMENT SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- 4) ALL MATERIALS AND WORKMANSHIP PERFORMED BY THE CONTRACTOR SHALL BE IN ACCORDANCE WITH ALL LAWS AND ORDINANCES OR CODES BY GOVERNMENTAL AUTHORITIES AND SHALL UTILIZE GOOD CONSTRUCTION PRACTICES.
- 5) THE CONTRACTOR SHALL PROVIDE EVIDENCE OF INSURANCE (INCLUDING WORKMAN'S COMPENSATION) NECESSARY FOR THE SCOPE AND TYPE OF WORK TO BE PERFORMED.
- 6) THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL MATERIALS AND DEBRIS GENERATED BY CONSTRUCTION ACTIVITY AND SHALL DELIVER TO OWNER THE SITE WITH A CLEAN, FINISHED APPEARANCE.
- 7) ALL DRAWINGS AND NOTES CONTAINED WITHIN ARE COMPLIMENTARY; WHAT IS INDICATED ON ONE SHALL BE CONSIDERED BINDING AS IF INDICATED ON ALL. WHEN CONFLICTS ARISE WORK OF MORE STRINGENT NATURE SHALL BE PROVIDED.
- 8) THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO PROVIDE A SAFE AND SECURE WORKSITE FOR BOTH WORKERS AND THE GENERAL PUBLIC IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
- 9) THE CONTRACTOR SHALL MAINTAIN OR REROUTE EXISTING VEHICULAR AND PEDESTRIAN TRAFFIC WHERE IN CONFLICT WITH THE WORK. THE CONTRACTOR SHALL SCHEDULE HIS WORK SO AS NOT TO CONFLICT WITH OTHER TRADES WORKING ON-SITE.
- 10) ALL WORK SHALL BE PERFORMED ON A LUMP-SUM BASIS (TAX INCLUDED) UNLESS OTHERWISE SPECIFICALLY AGREED TO IN WRITING. CHANGE ORDERS INVOLVING ADDITIONAL COST MUST BE APPROVED IN WRITING.
- 11) ANY WORK NOT SPECIFICALLY SHOWN ON THESE PLANS THAT WOULD BE CONSIDERED STANDARD PRACTICE FOR THIS PROJECT SHALL BE INCLUDED. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL ON-SITE CONDITIONS AND DIMENSIONS, SLOPES, AND CONFIGURATION OF ALL EXISTING BUILDINGS AND STRUCTURES RELATED TO THE WORK. ANY DISCREPANCIES SHOULD BE REPORTED IMMEDIATELY TO THE LANDSCAPE ARCHITECT AND PRIOR TO ORDERING MATERIALS, FABRICATING COMPONENTS, OR CONSTRUCTING THE WORK. THE LANDSCAPE ARCHITECT SHALL RESPOND WITHIN 48 HOURS. IF THE CONTRACTOR FAILS TO NOTIFY THE LANDSCAPE ARCHITECT IN A TIMELY MANNER, HE SHALL INDEMNIFY AND HOLD HARMLESS THE OWNER, CLIENT AND LANDSCAPE ARCHITECT FROM ALL LIABILITY RELATED TO THE WORK.
- 12) WHERE FABRICATION OR SUPPLEMENTAL DESIGN IS REQUIRED FOR IMPLEMENTATION, BUT NOT SPECIFICALLY DETAILED ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW. THE LANDSCAPE ARCHITECT SHALL RESPOND TO SUBMITTALS WITHIN 48 HOURS.
- 13) ALL CLAY BRICKS, GRANITE CURBS, AND INLET TOPS REMOVED ARE THE PROPERTY OF THE CITY OF TAMPA, UNLESS OTHERWISE NOTED, AND SHALL BE STOCKPILED WITH REASONABLE CARE AND RETURNED TO THE CITY OF TAMPA OR REUSED ON THE PROJECT. CONTRACTOR IS RESPONSIBLE FOR STORING AND/OR DELIVERING ALL CITY PROPERTY NOT REUSED IN PROJECT.

## MASONRY NOTES:

### FOUNDATIONS

- 1.1) FOOTING DESIGNS ARE BASED ON A BEARING PRESSURE OF 3,000 PSF. FOOTINGS SHALL BEAR IN APPROVED STRUCTURAL FILL. SUBGRADE SHALL BE COMPACTED AS NEEDED TO PROVIDE REQUIRED BEARING (48% MOD. PROCTOR).

- 1.2) HORIZONTAL BARS IN FOOTINGS AND STEM WALLS SHALL BE CONTINUOUS. PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTIONS U.N.O.

### REINFORCED CONCRETE

- 2.1) MINIMUM COMPRESSIVE STRENGTH (F'C) AT THE END OF 28 DAYS SHALL BE 3000 PSI.

- 2.2) MAXIMUM SLUMP OF POURED-IN-PLACE CONCRETE SHALL BE 4" FOR ALL CONCRETE.

- 2.3) REINFORCING STEEL SHALL MEET A.S.T.M. SPECIFICATION A-615, LATEST REVISION. ALL REINFORCING STEEL SHALL BE GRADE 60.

- 2.4) ALL EXPOSED EDGES OF CONCRETE TO BE CHAMFERED 1/2" U.N.O.

- 2.5) REINFORCING BARS SHALL BE SPLICED A MINIMUM OF 48 BAR DIAMETERS, U.N.O.

### MASONRY

- 3.1) HOLLOW CONCRETE MASONRY UNITS SHALL MEET A.S.T.M. SPECIFICATIONS C90, GRADE N, TYPE I. THE SPECIFIED DESIGN COMPRESSIVE STRENGTH OF CONCRETE MASONRY (FM) SHALL BE 1500 PSI.

- 3.2) MORTAR SHALL MEET THE PROPERTY SPECIFICATION OF A.S.T.M. C270 TYP "S" MORTAR AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

- 3.3) GROUT SHALL MEET A.S.T.M. SPECIFICATION C476 AND HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2000 PSI. SLUMP SHALL NOT BE LESS THAN 8" NOR MORE THAN 10"

- 3.4) HORIZONTAL JOINT REINFORCEMENT SHALL BE 9 GAGE GALVANIZED TRUSS TYPE.

## TEMPORARY TRAFFIC CONTROL NOTES

1. THE CITY REQUIRES THAT THE SUPERVISOR OR FOREMAN CONTROLLING THE WORK FOR THE CONTRACTOR ON THE PROJECT HAVE A WORK ZONE TRAFFIC CONTROL SAFETY CERTIFICATION OR TRAFFIC SUPERVISOR CERTIFICATION FROM THE FLORIDA DEPARTMENT OF TRANSPORTATION. THE CERTIFIED SUPERVISOR SHALL BE ON THE PROJECT SITE AT ALL TIMES WHILE WORK IS BEING CONDUCTED.

2. ALL EXISTING WARNING, GUIDE, AND REGULATORY SIGNS SHALL BE MAINTAINED AT ALL TIMES. SIGNS SHALL BE RELOCATED, REMOVED, OR COVERED FOR EACH TRAFFIC PATTERN PHASE, AS APPROVED BY THE ENGINEER.

3. ALL LANE TAPERS AND MAINTAINED LANE LINES ADJACENT TO CONSTRUCTION AREAS SHALL BE DELINEATED WITH TYPE 1 OR 2 BARRICADES, VERTICAL PANELS, TEMPORARY DRUMS OR TEMPORARY LOW PROFILE BARRIER AS APPROVED BY THE ENGINEER.

4. THE EXISTING SPEED LIMIT SHALL BE MAINTAINED AT ALL TIMES.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 7 DAYS IN ADVANCE OF ANY DETOURS.

6. TRAVEL LANES SHALL BE NO LESS THAN 10' IN WIDTH THROUGHOUT ALL PHASES OF CONSTRUCTION.

7. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN RELOCATING SIGNS FOR TOP PURPOSES. ANY SIGNS DAMAGED BEYOND USE, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

### TEMPORARY TRAFFIC CONTROL PLAN PHASE NOTES

PHASE I: INCLUDES THE CONSTRUCTION OF CONCRETE CURBING, CONCRETE SIDEWALK AND CONCRETE CURB RAMPS ALONG SCOTT ST.

1. MAINTAIN PEDESTRIAN ACCESS PER INDEX 660.

2. REMOVE EXISTING TREES IDENTIFIED IN THE PLANS FOR REMOVAL. CLEAR AND GRUB ALL CONFLICTING LANDSCAPING AND CAP AND PLUG CONFLICTING IRRIGATION. ROOT PRUNE EXISTING TREES AS REQUIRED.

3. CONSTRUCT CONCRETE CURB, CONCRETE CURB & GUTTER, SIDEWALK, CURB RAMPS UTILIZING INDICES 600 THRU 603, AND 605.

4. SIDEWALKS SHALL BE RE-OPENED TO PEDESTRIANS IMMEDIATELY UPON THE COMPLETION AND COMPLETE CURING OF SIDEWALK AND CURB RAMP CONSTRUCTION.

PHASE II: THE INSTALLATION OF SIGNING AND PAVEMENT MARKINGS.

1. UPON COMPLETION OF ALL OTHER CONSTRUCTION, REMOVE EXISTING PAVEMENT MARKINGS AS CALLED OUT ON PLANS AND INSTALL FINAL PAVEMENT MARKINGS AND SIGNS AND REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

## TREE PROTECTION NOTES

1. PROTECTIVE BARRICADES SHALL BE PLACED AROUND ALL PROTECTED TREES AND GRAND TREES DURING SITE CLEARING TO CREATE A PROTECTIVE ROOT ZONE AND SHALL REMAIN IN PLACE UNTIL LAND ALTERATION, SITE CLEARING, AND CONSTRUCTION ACTIVITIES ARE COMPLETE. BARRICADES FOR THE PROTECTIVE ROOT ZONE SHALL BE ERECTED A MINIMUM OF TEN (10) FEET FROM THE EDGE OF TRUNK OF PROTECTED TREES AND TWENTY (20) FEET FROM THE EDGE OF TRUNK OF GRAND TREES.

2. A MINIMUM DISTANCE OF TEN (10) FEET FROM ALL PROTECTED TREES AND TWENTY (20) FEET FROM ALL GRAND TREES SHALL BE MAINTAINED WHEN INSTALLING UNDERGROUND UTILITIES. IF THIS RESULTS IN UNREASONABLE HARDSHIP, A SOIL AUGER SHALL BE USED TO TUNNEL UNDER ROOT SYSTEMS.

3. INSTALLATION OF ARTIFICIAL BARRICADES SUCH AS PROTECTIVE BARRICADES, FENCES, POST OR WALLS SHALL NOT DESTROY OR ADVERSELY HARM THE ROOT SYSTEM OF PROTECTED TREES AND GRAND TREES. FOOTERS FOR WALLS SHALL START AT THE POINT WHERE LARGER ROOTS ARE ENCOUNTERED, AND THE ROOTS SHALL BE BRIDGED. POST HOLES AND TRENCHES LOCATED CLOSE TO PROTECTED TREES AND GRAND TREES SHALL BE ADJUSTED TO AVOID DAMAGE TO MAJOR ROOTS.

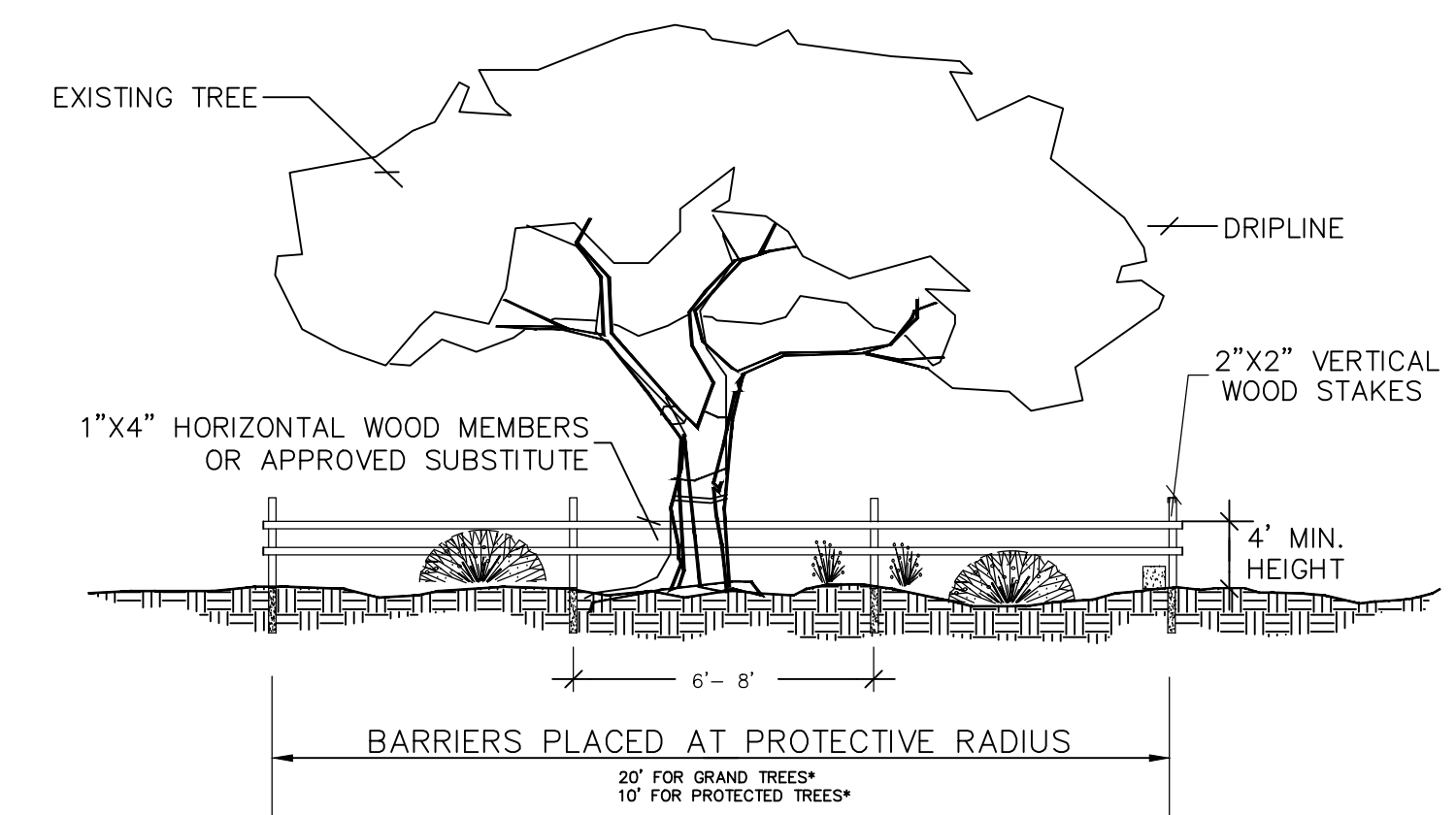
4. ALL ROOTS TO BE REMOVED DURING THE SITE CLEARING PROCESS SHALL BE SEVERED CLEAN AT THE PERIMETER OF THE PROTECTED ROOT ZONE.

5. A TWO-INCH LAYER OF MULCH SHALL BE APPLIED OVER THE SURFACE OF THE EXPOSED ROOTS OF PROTECTED TREES AND GRAND TREES DURING THE SITE CLEARING PROCESS.

6. A PROTECTIVE DRY WELL AND DRAINAGE/AERATION SYSTEM SHALL BE PROVIDED WHERE PROTECTED TREES OR GRAND TREES WILL BE ADVERSELY AFFECTED BY LOWERING THE GRADE.

7. A PROTECTIVE RETAINING WALL SHALL BE CONSTRUCTED AT THE PERIMETER OF THE PROTECTIVE ROOT ZONE AROUND A PROTECTED TREE OR GRAND TREE WHERE THE PROTECTED TREE OR GRAND TREE WILL BE ADVERSELY AFFECTED BY LOWERING THE GRADE.

8. ALL TRIMMING OF PROTECTED TREES AND GRAND TREES DURING DEVELOPMENT SHALL BE DONE BY A QUALIFIED, CERTIFIED ARBORIST.



**VEGETATION PROTECTION BARRICADE DETAIL**  
N.T.S. CITY OF TAMPA LTP36

**SUPPLEMENTAL NOTES**  
**SCOTT STREET L.I.D. STREETSCAPE**  
 TAMPA, FLORIDA  
 PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

**EKISTICS DESIGN STUDIO**  
 URBAN PLANNING  
 LANDSCAPE ARCHITECTURE  
 & PERILS ECOLOGO  
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 1202 West Linebaugh Avenue  
 (813) 931-8040 932-3762 (fax)  
 www.ekisticsdesignstudio.com

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Rev. No.	Rev. Date
13/18	29/29 18/18
Location:	
TAMPA	
Designer:	Drawn:
RPJ	RPJ
Scale:	Checked:
	TFL/GT

Sheet No.  
**A1.0**  
1 of 14

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Revisions:		
No.	Issue	Date

ROADWAY PLAN INDEX  
**SCOTT STREET L.I.D. STREETSCAPE**  
 TAMPA, FLORIDA  
 PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

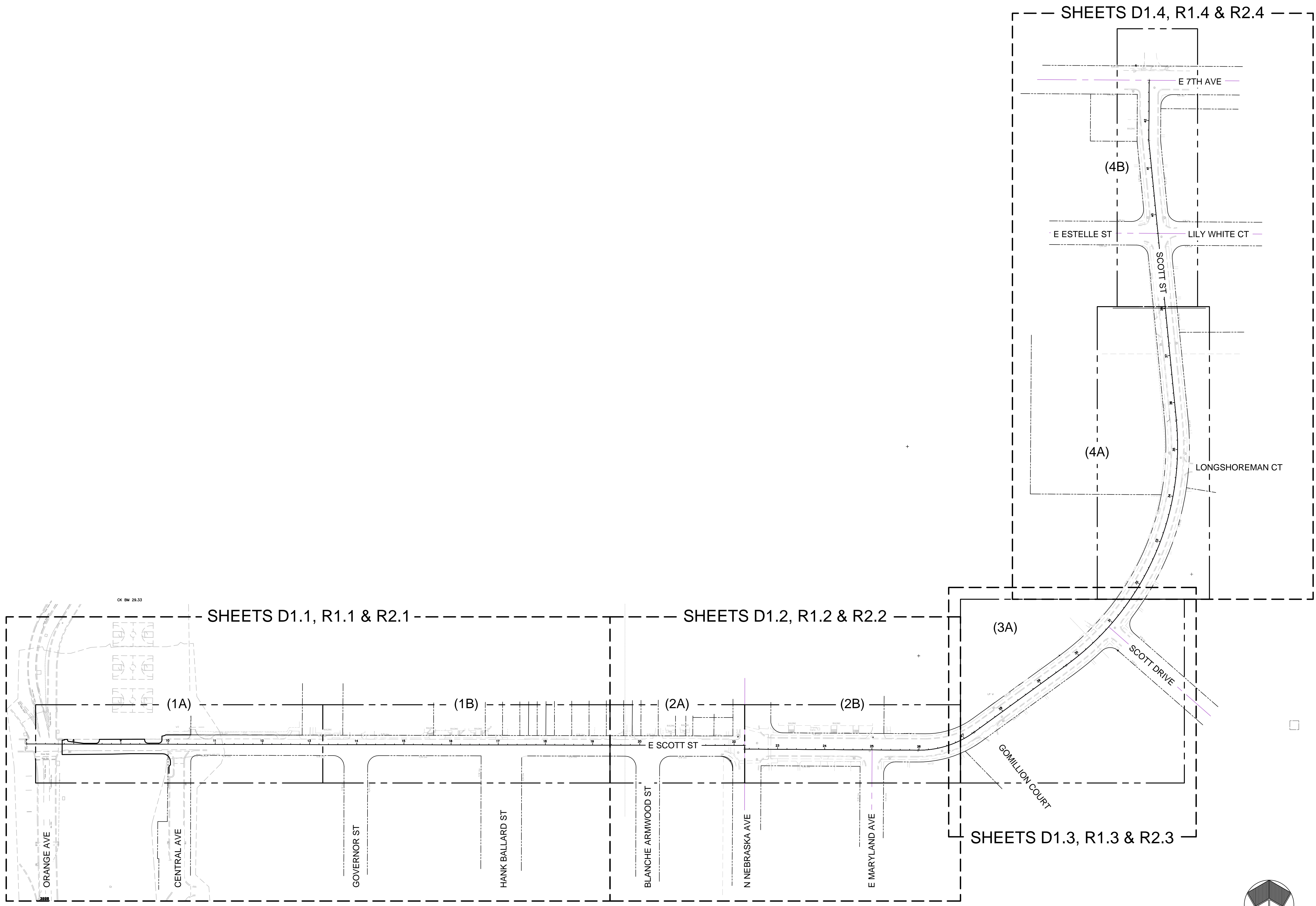
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 (813) 931-9040 932-3762 (fax)  
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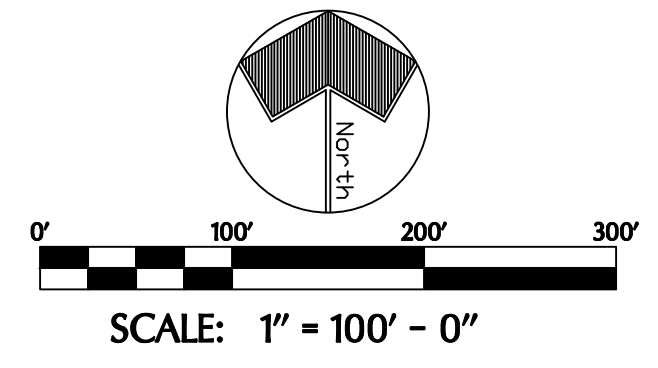
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Rev	Rev
13/18	29/29
18/18	18/18
Location:	TAMPA
Design:	RPZ
Drawn:	RPZ
Scale:	1" = 100'
Checked:	TTL/GT
Sheet No.	
<b>R1.0</b>	
2 of 14	

2016-01-07 north\_street\_0000\_jans.dwg



**R** ROADWAY INDEX PLAN  
 R1.0 SCALE: 1" = 100' - 0"



CONTRACTOR RESPONSIBLE TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY PRIOR TO CONSTRUCTION. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY EXISTING FIELD CONDITIONS.

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### TREE EQUIVALENCY TABLE

Trees Retained	# of trees	Multiplier for Credit	Total Credits
Diameter (inches)			
5" to 7"	15	0	0
8" to 12"	0	1	0
13" to 19"	0	2	0
20" to 29"	0	4	0
30" or more	2	10	20
All Palms	4	1	4
<b>Total</b>	<b>21</b>		<b>24</b>

Trees Removed	# of trees	Multiplier for Debit	Total Debits
Diameter (inches)			
5" to 7"	10	0	0
8" to 12"	0	1	0
13" to 19"	0	2	0
20" to 29"	0	4	0
30" or more	0	inch for inch	0
All Palms	1	1	1
<b>Total</b>	<b>11</b>		<b>1</b>

	Protected	Exempt	Total
Total Number of Trees On-Site	32	0	32
Protected Trees Retained On-Site	21	66%	
Protected Tree Removed On-Site	11	34%	

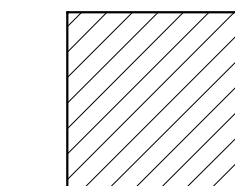
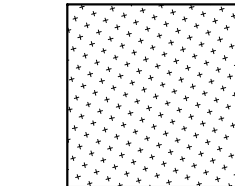
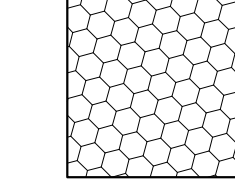


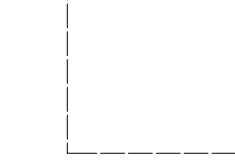
  

VUA Tree Requirements	LF	SF	VUA Trees
Parcel Area (excluding impervious)	n/a	n/a	0
1 TREE / 1,500 SF			
Linear feet of street frontage abutting VUA	n/a	n/a	0
1 TREE / 40 LF			
Total Square Footage of VUA	n/a	n/a	0
1 TREE / 1,500 SF			
Total VUA Trees Required			0

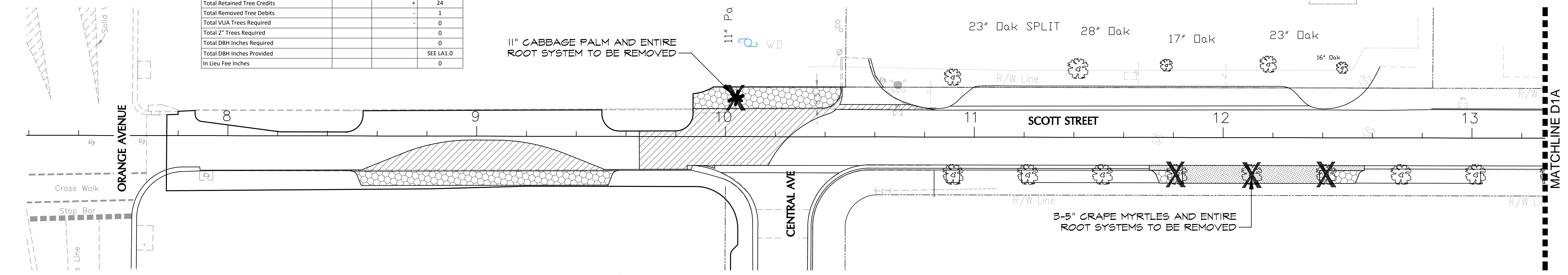
  

Total Retained Tree Credits		+	24
Total Removed Tree Debits		-	1
Total VUA Trees Required		-	0
Total 2" Trees Required		-	0
Total DBH Inches Required		-	0
Total DBH Inches Provided			SEE LA1.0
In Lieu Fee Inches			0

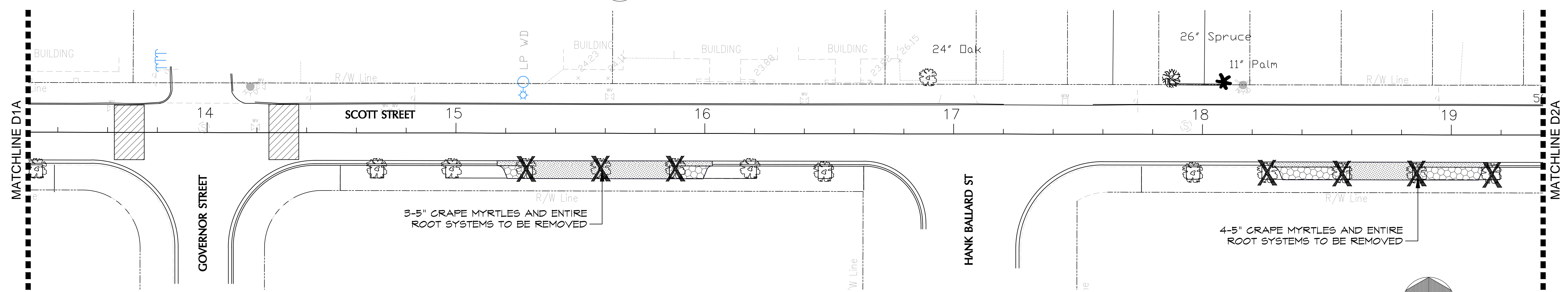
### DEMOLITION LEGEND

-  PROPOSED DEMOLITION OF FULL DEPTH PAVEMENT AND CURB (SALVAGE REUSE BRICK AND GRANITE CURB)
-  PROPOSED DEMOLITION OF SIDEWALK AND CURB
-  PROPOSED DEMOLITION OF EXISTING LANDSCAPE
-  PROPOSED CONVERSION OF CURB INLET (SEE DRAINAGE SHEETS)
-  TREE TO BE REMOVED
-  TREE PROTECTION BARRICADE

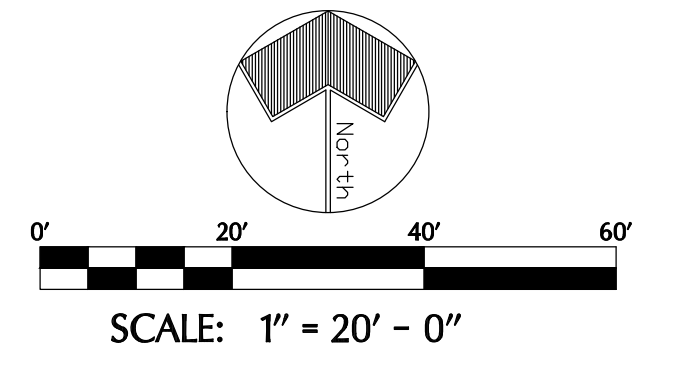
Revisions:	No.	Issue	Date



**1A SEGMENT 1A**  
D1.1 SCALE: 1" = 20' - 0"



**1B SEGMENT 1B**  
D1.1 SCALE: 1" = 20' - 0"



DEMOLITION PLAN (1)  
**SCOTT STREET L.I.D. STREETSCAPE**  
 TAMPA, FLORIDA  
 PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

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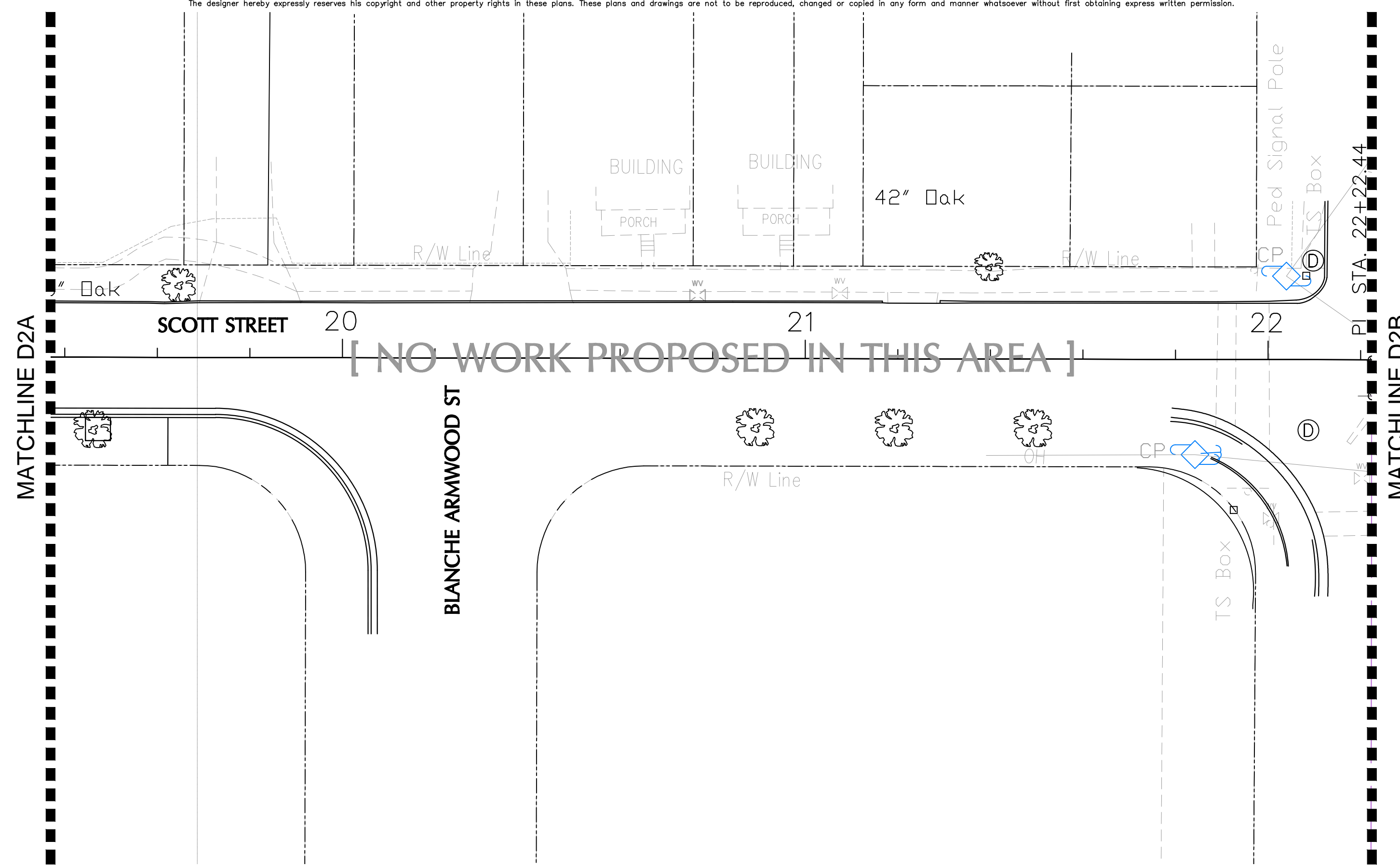
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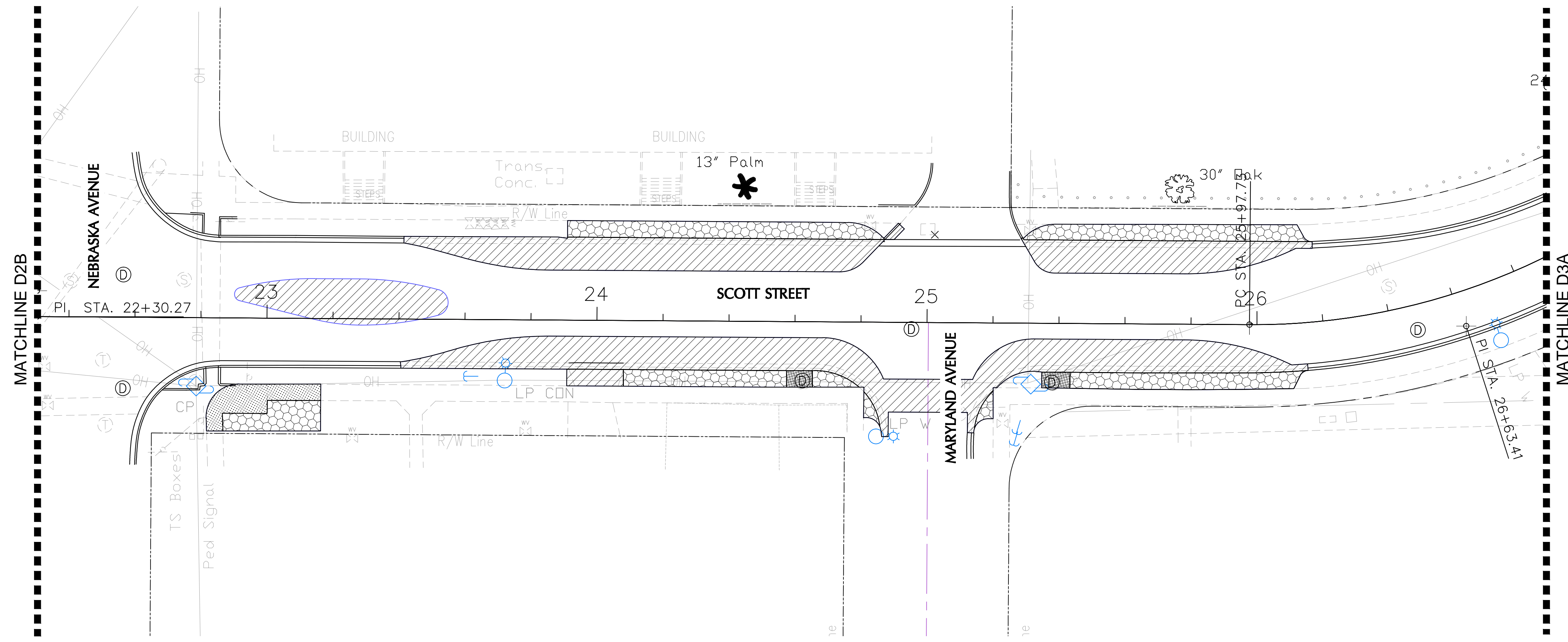
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 Date: 29/29 Rev: 18/15  
 Location: TAMPA  
 Designer: RFP  
 Scale: 1/1/01  
 Sheet No. **D1.1**  
 3 of 14

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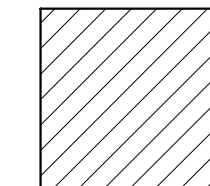
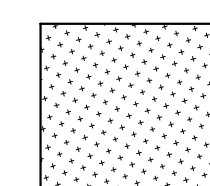
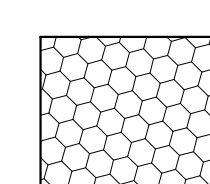
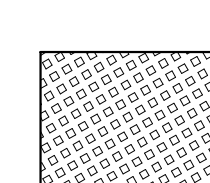
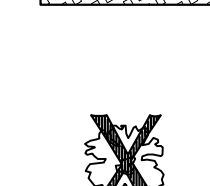
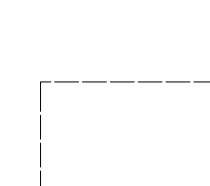


**2A** SEGMENT 2A  
D1.2 SCALE: 1" = 20' - 0"



**2B** SEGMENT 2B  
D1.2 SCALE: 1" = 20' - 0"

**DEMOLITION LEGEND**

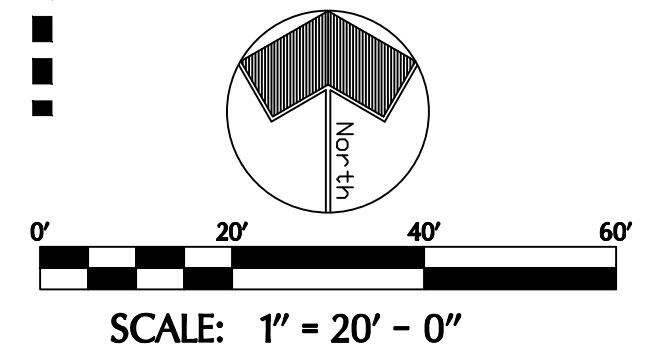
-  PROPOSED DEMOLITION OF FULL DEPTH PAVEMENT AND CURB (SALVAGE REUSE BRICK AND GRANITE CURB)
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-  TREE PROTECTION BARRICADE

Revisions:		
No.	Issue	Date

**DEMOLITION PLAN (2)**  
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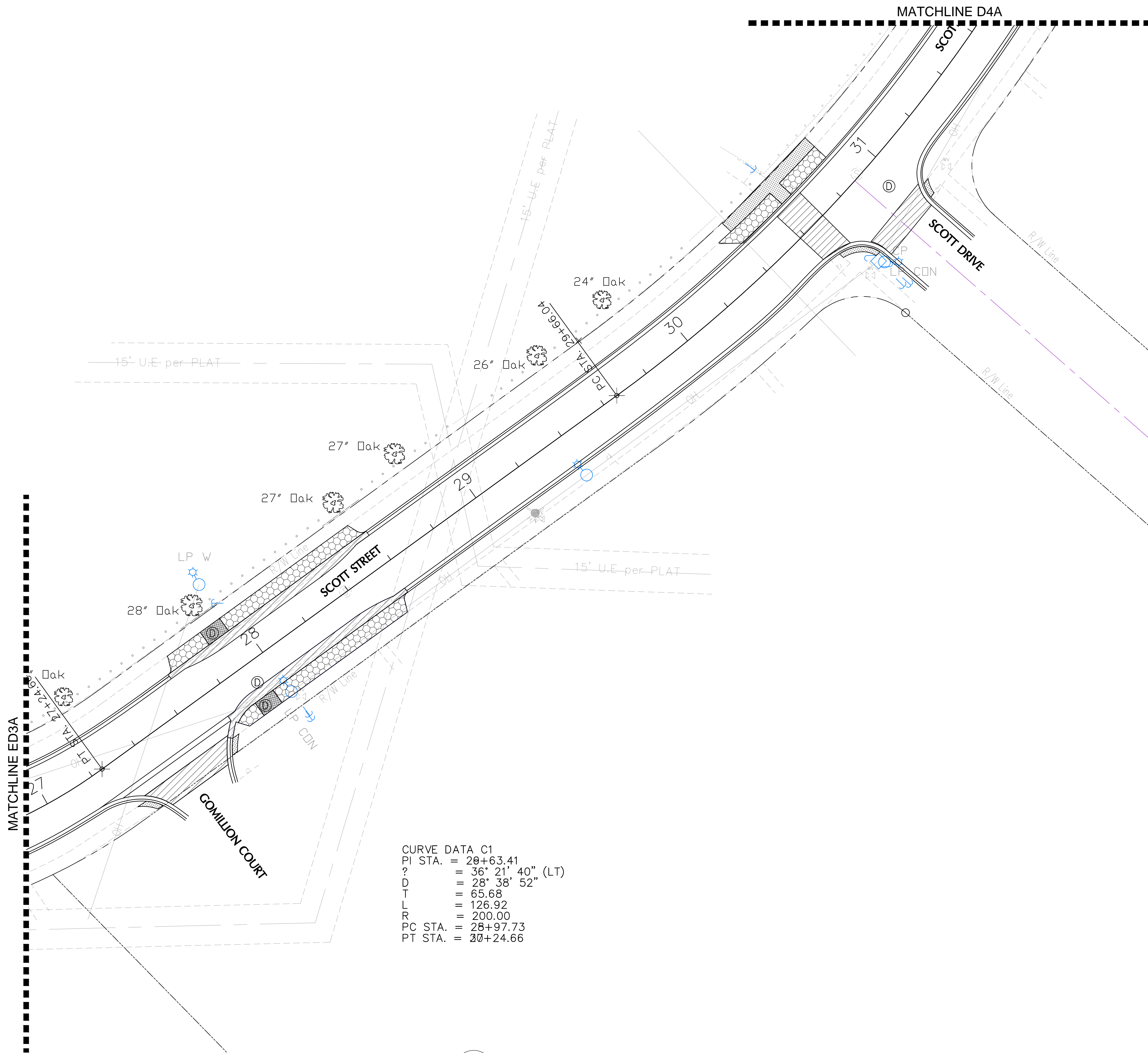
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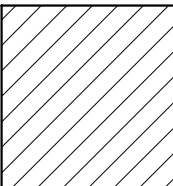
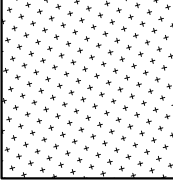
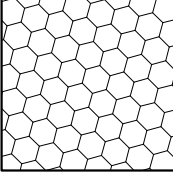
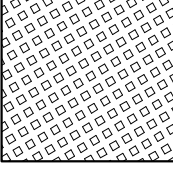


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13/18	29/29
18/18	18/18
Location	
TAMPA	
Design	Drawn
RPV	RPV
Scale	Checked
	TTL/GT
Sheet No.	
<b>D1.2</b>	
4 of 14	

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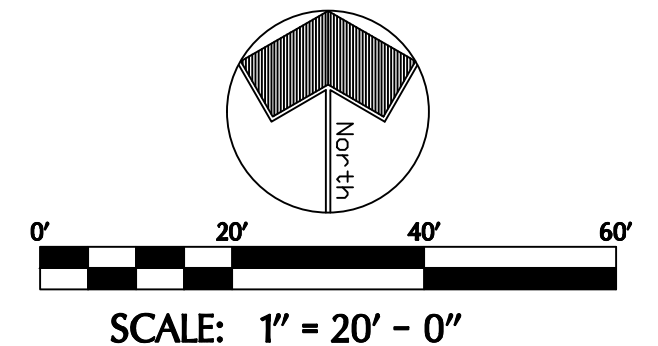


### DEMOLITION LEGEND

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CURVE DATA C1  
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 T = 65.68  
 L = 126.92  
 R = 200.00  
 PC STA. = 28+97.73  
 PT STA. = 30+24.66

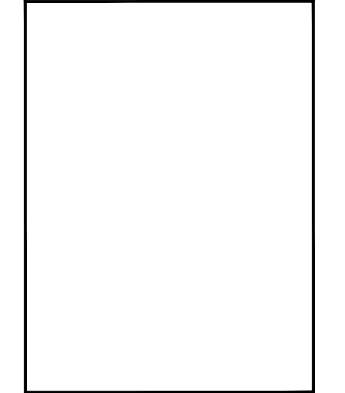
**3** SEGMENT 3  
 D1.3 SCALE: 1" = 20' - 0"



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DEMOLITION PLAN (3)  
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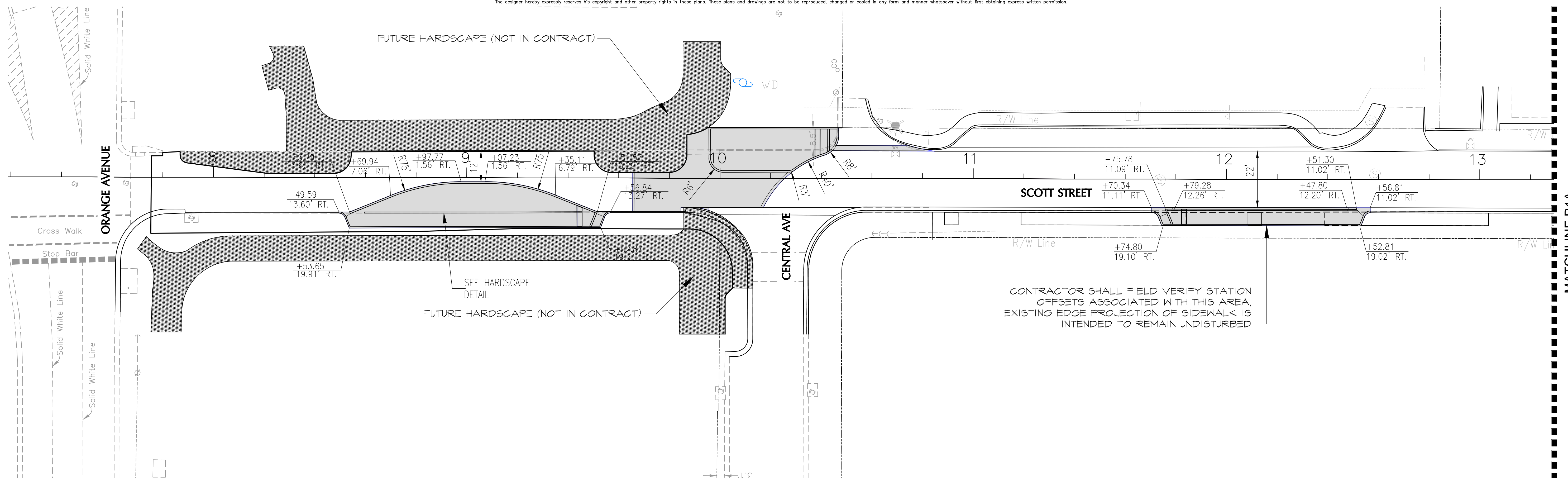
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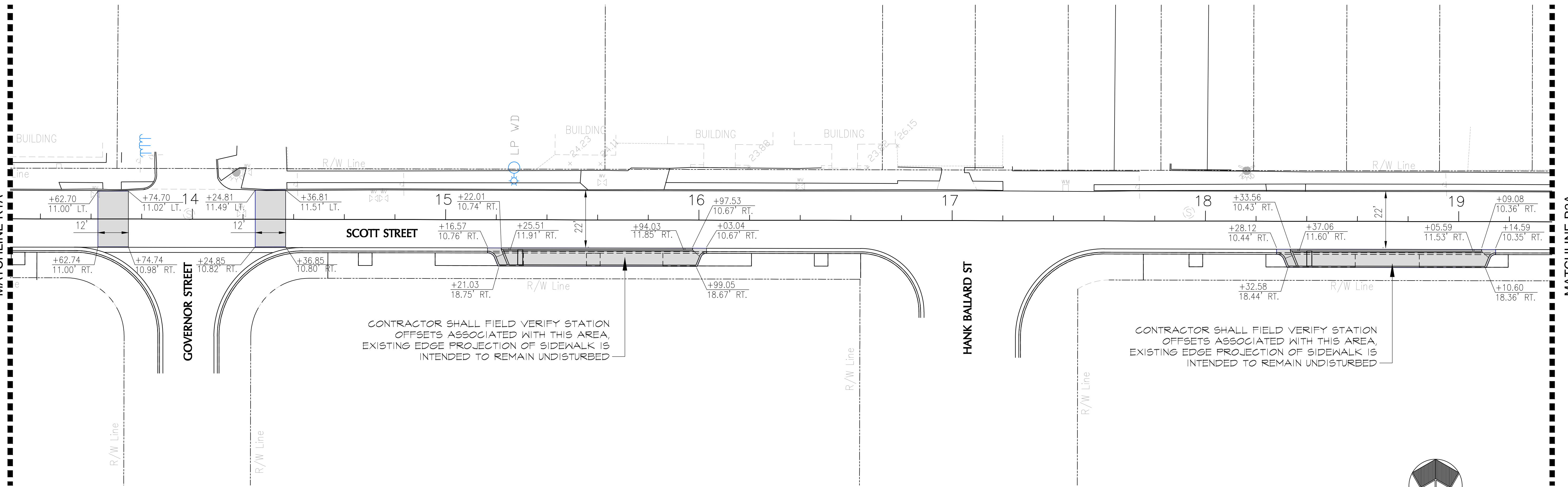




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**1A** SEGMENT 1A  
R1.1 SCALE: 1" = 20' - 0"



**1B** SEGMENT 1B  
R1.1 SCALE: 1" = 20' - 0"

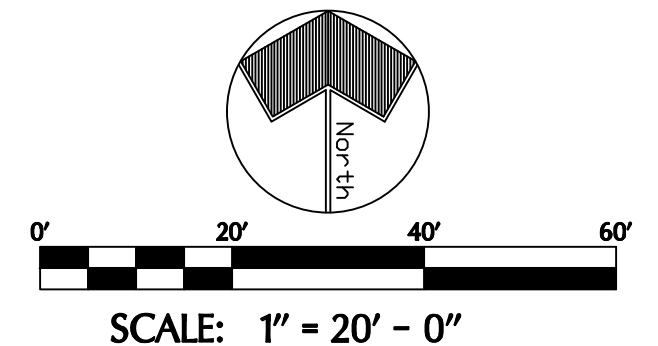
Revisions:	No.	Issue	Date

ROADWAY PLANS (1)  
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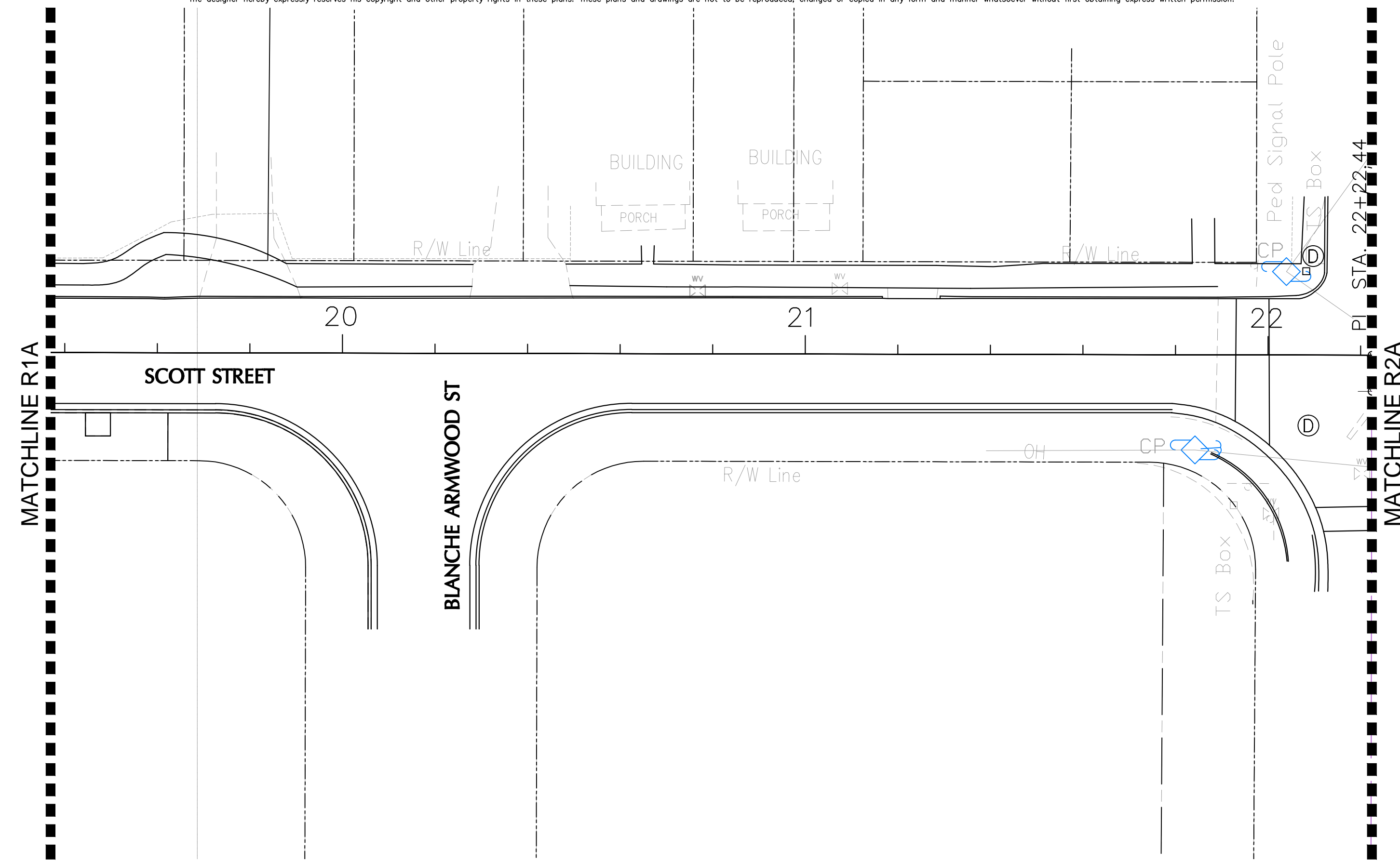
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7 of 14	

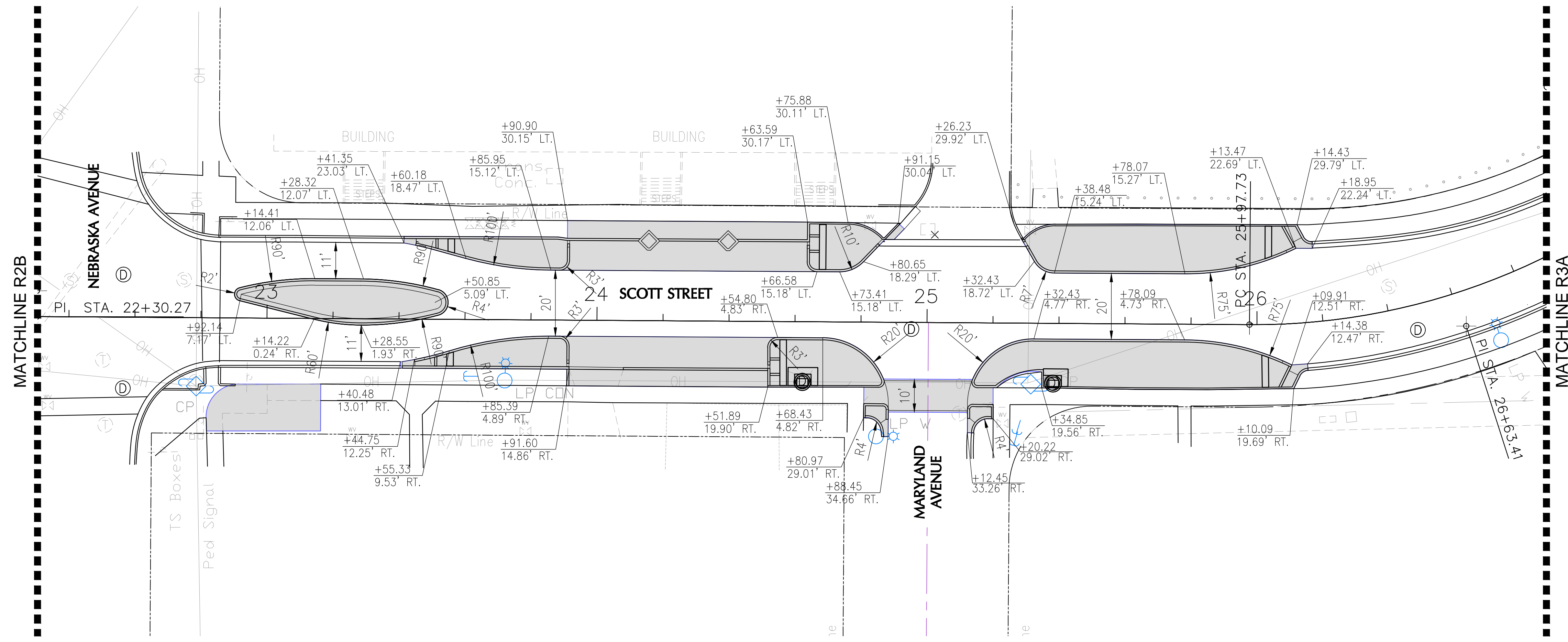


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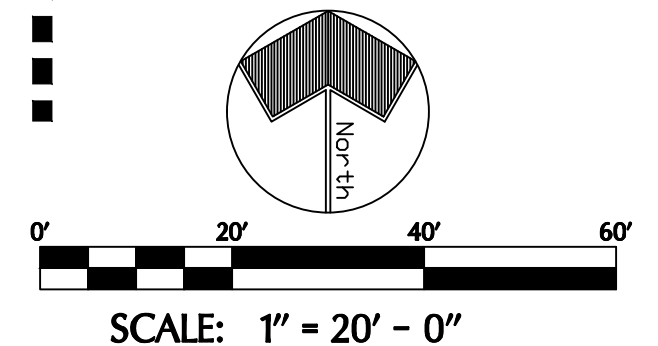
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**2A** SEGMENT 2A  
R1.2 SCALE: 1" = 20' - 0"



**2B** SEGMENT 2B  
R1.2 SCALE: 1" = 20' - 0"



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ROADWAY PLANS (2)  
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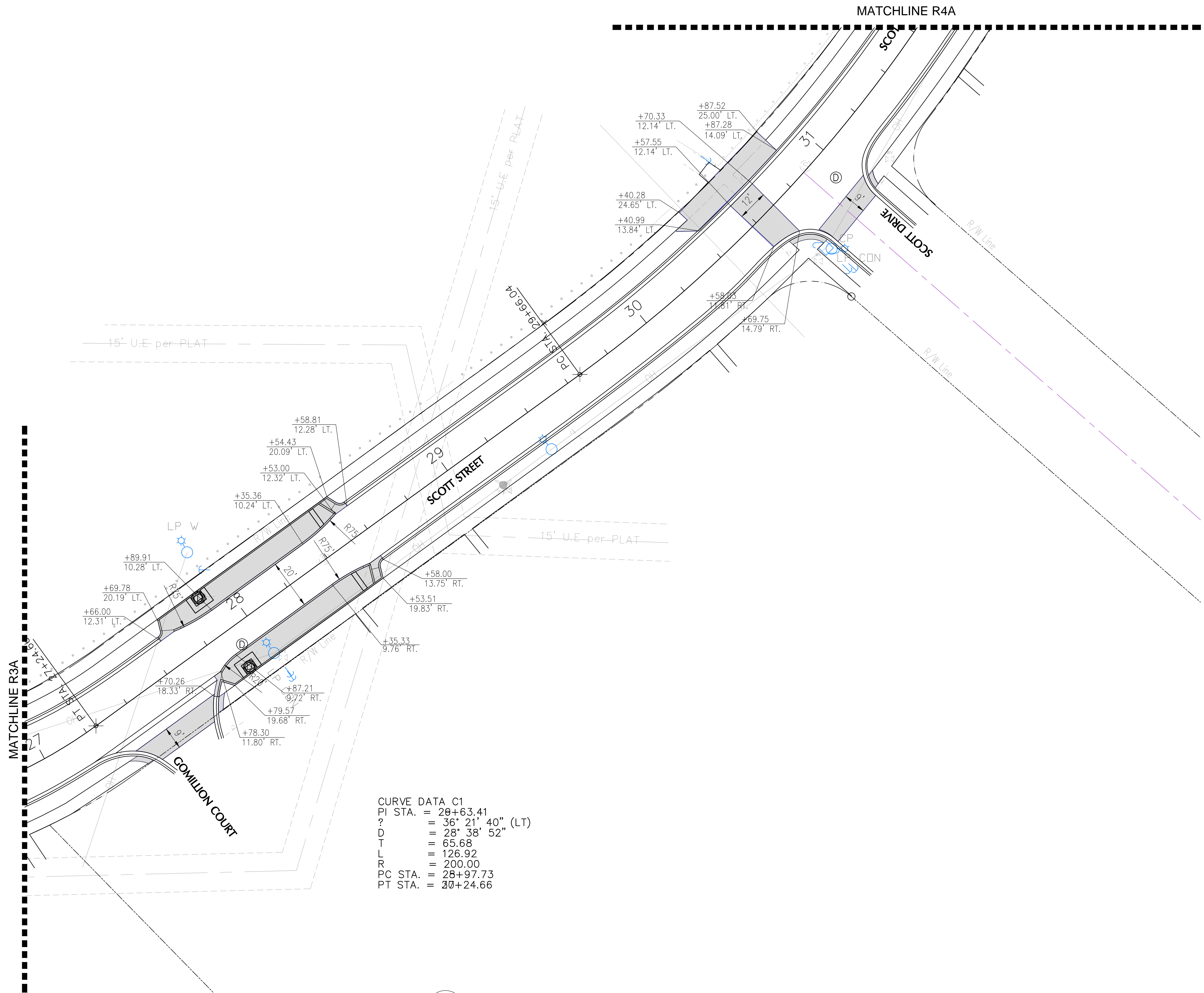
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Scale	Checked
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8 of 14

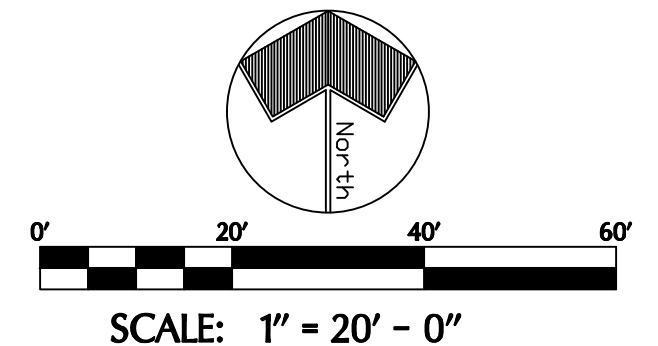
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CURVE DATA C1  
 PI STA. = 28+63.41  
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 R = 200.00  
 PC STA. = 28+97.73  
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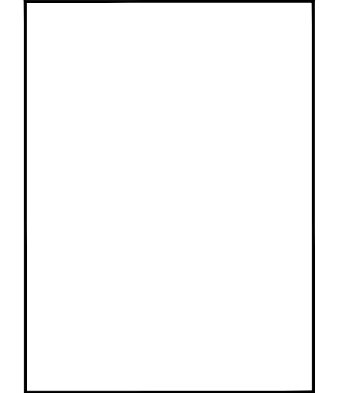
**3** SEGMENT 3  
 RT.3 SCALE: 1" = 20' - 0"



No.	Issue	Date

ROADWAY PLANS (3)  
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18/18	18/18
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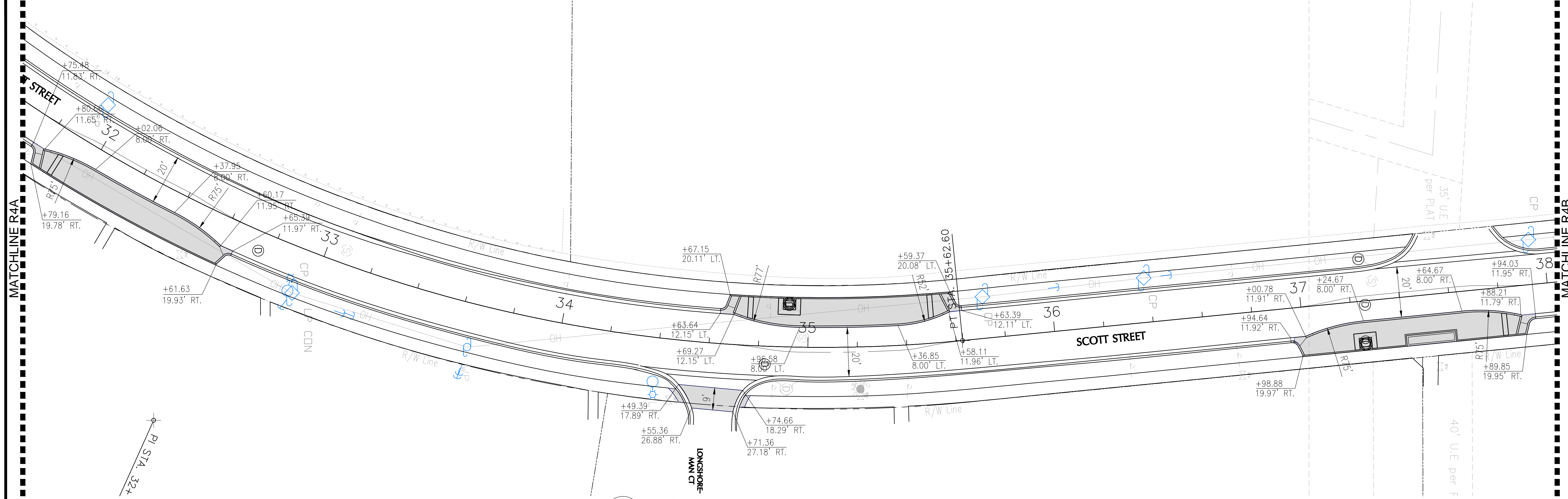
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 9 of 14

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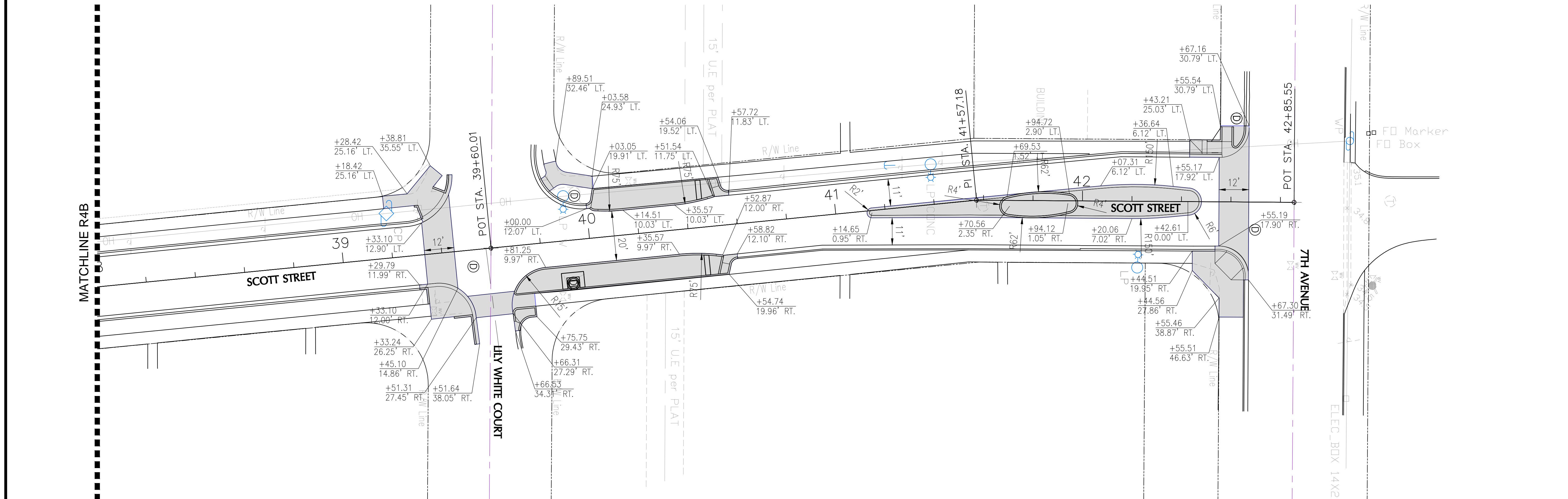
2016-01-07 north street roadway plans.dwg

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Revisions:		
No.	Issue	Date



**4A SEGMENT 4A**  
R1.4 SCALE: 1" = 20' - 0"



**4B SEGMENT 4B**  
R1.4 SCALE: 1" = 20' - 0"

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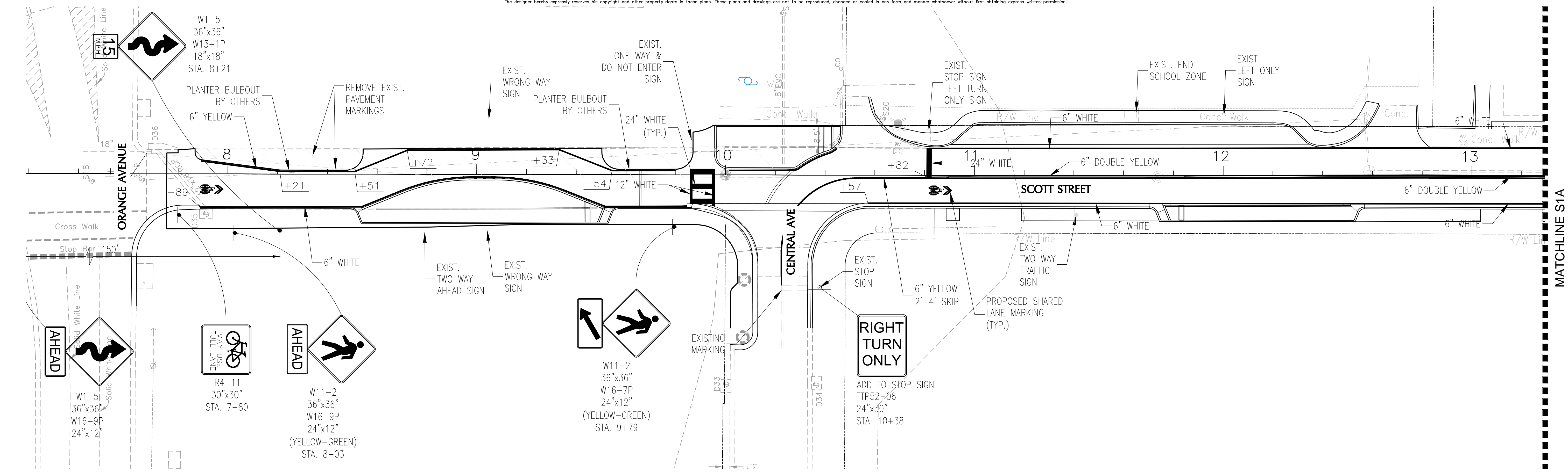
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TAMPA	29/29 18/18
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1/11/07	

Sheet No.  
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10 of 14

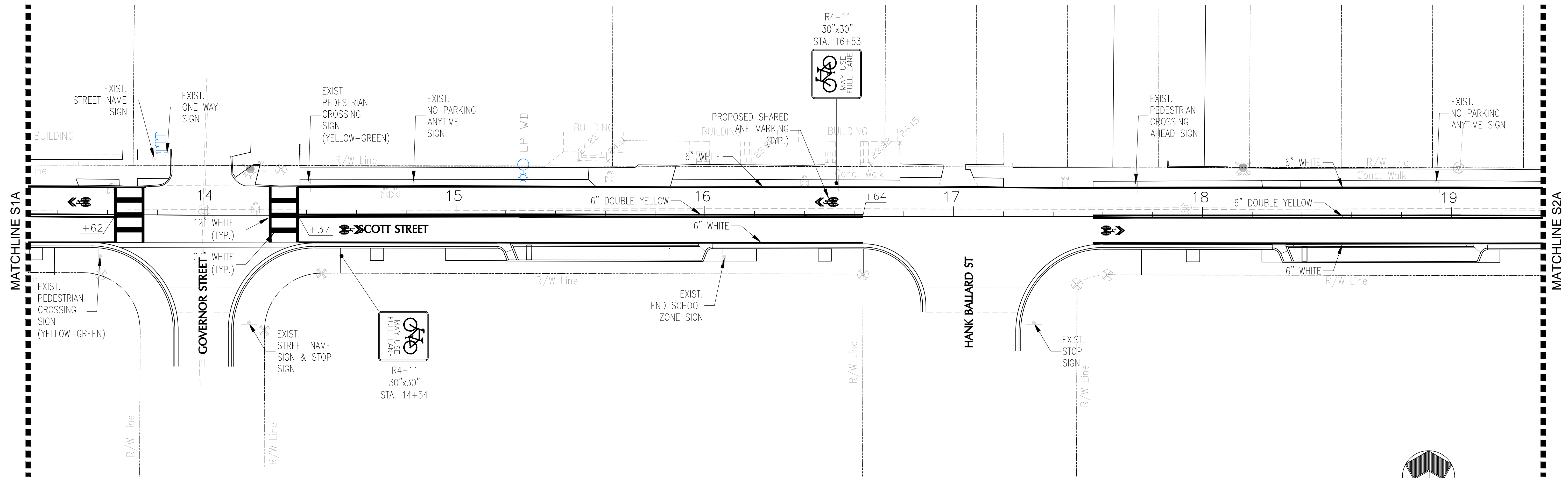
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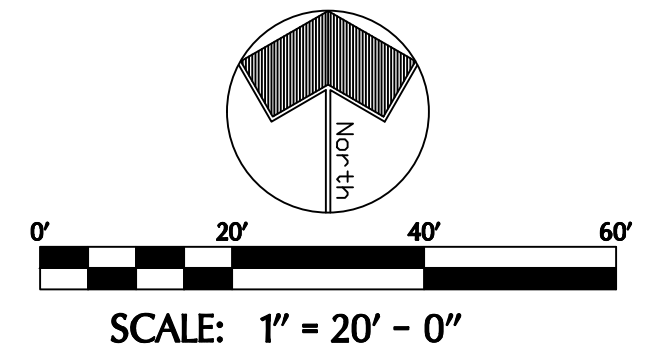
Revisions:	No.	Issue	Date



**1A** SEGMENT 1A  
R2.1 SCALE: 1" = 20' - 0"



**1B** SEGMENT 1B  
R2.1 SCALE: 1" = 20' - 0"



SIGNAGE AND MARKINGS PLAN (1)  
**SCOTT STREET L.I.D. STREETSCAPE**  
TAMPA, FLORIDA  
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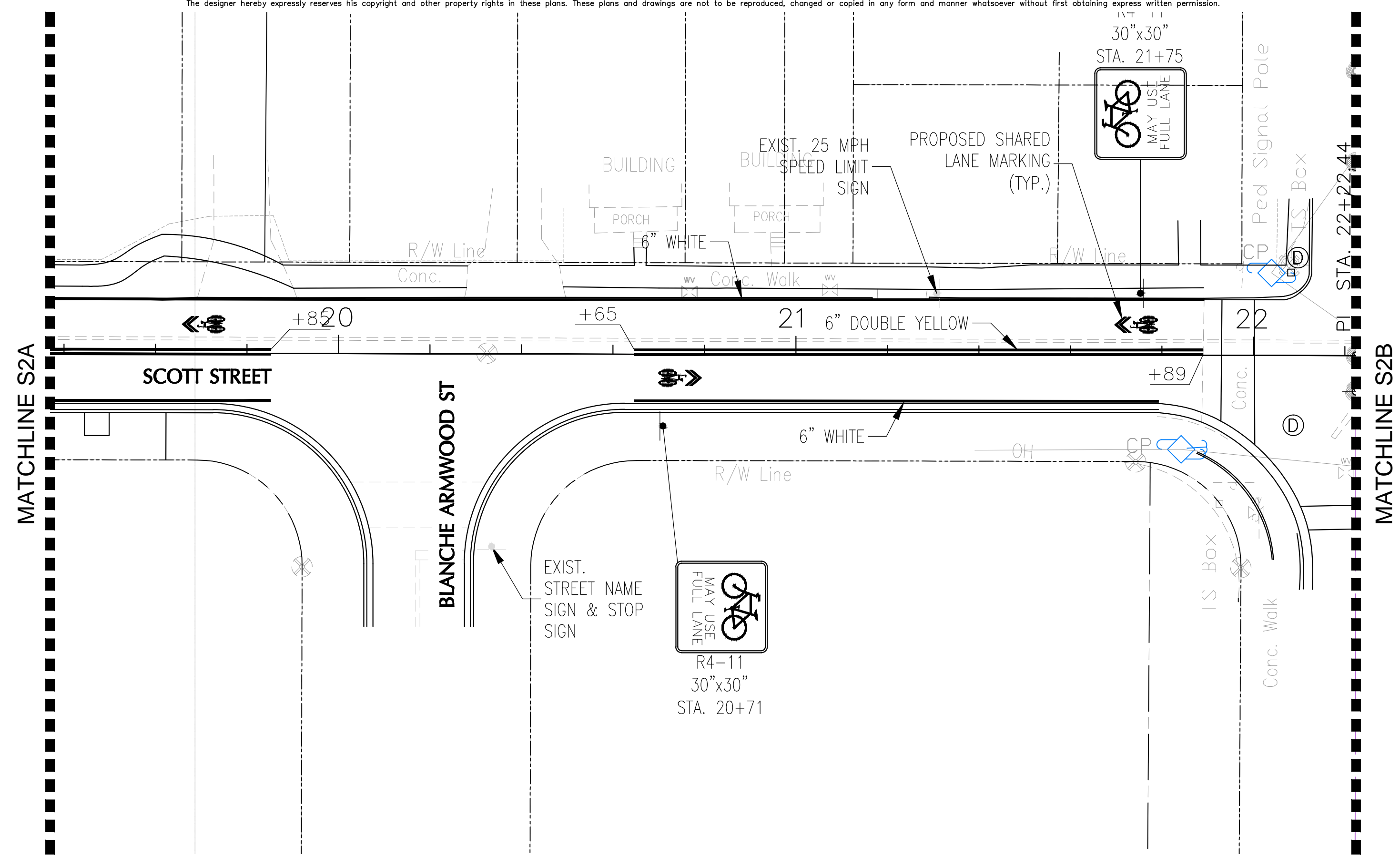
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File No.	Proj. No.
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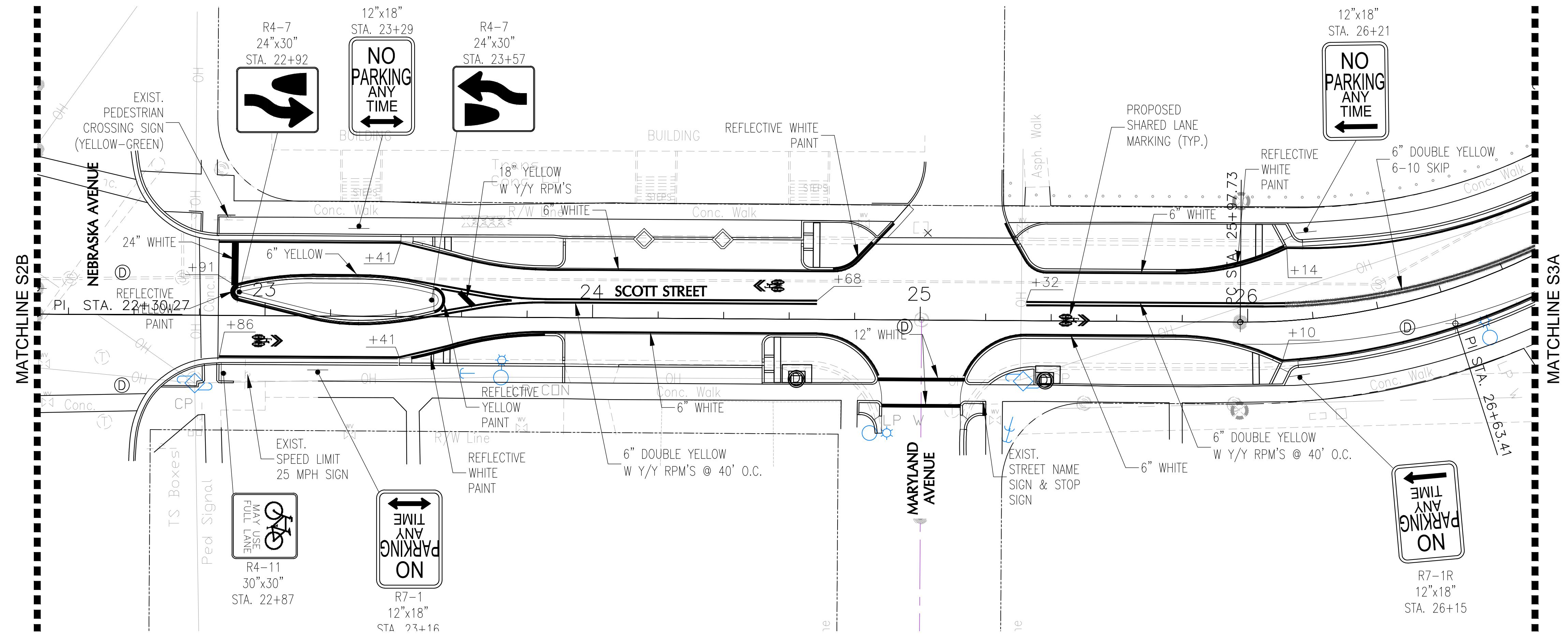
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11 of 14

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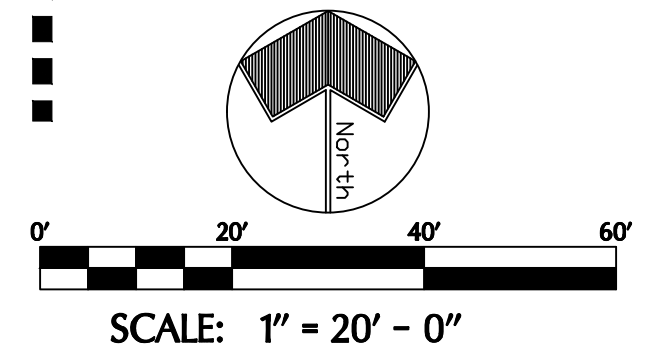
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**2A** SEGMENT 2A  
R2.2 SCALE: 1" = 20' - 0"



**2B** SEGMENT 2B  
R2.2 SCALE: 1" = 20' - 0"

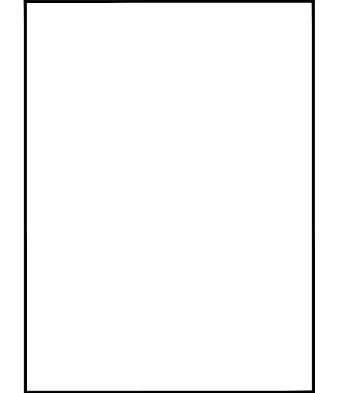


Revisions:		
No.	Issue	Date

SIGNAGE AND MARKINGS PLAN (2)  
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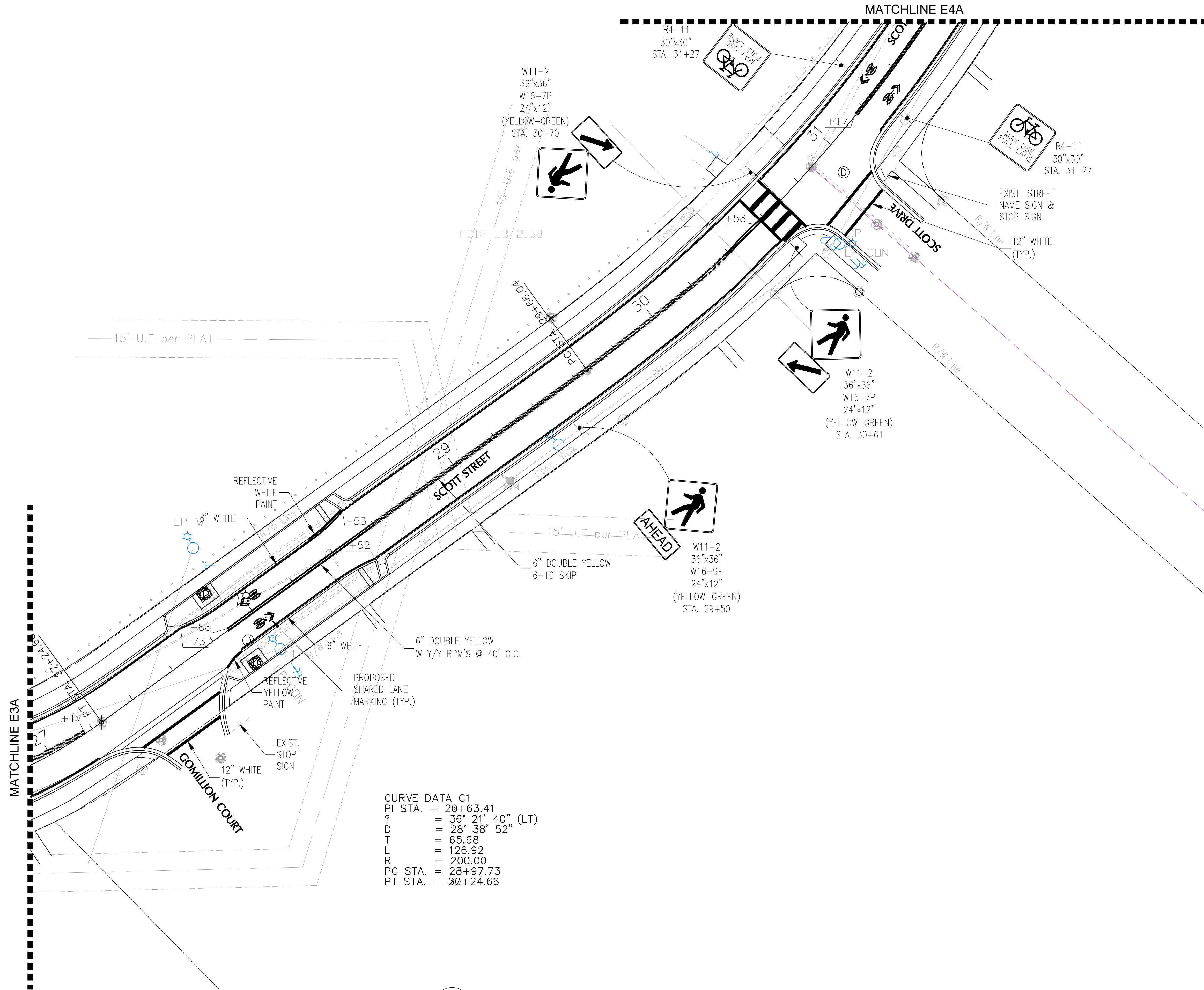
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Rev	Rev
13/18	29/29
18/18	18/18
Location:	
TAMPA	
Designer:	Drawn:
RPZ	RPZ
Scale:	Checked:
	ITL/GT

Sheet No.  
**R2.2**  
12 of 14

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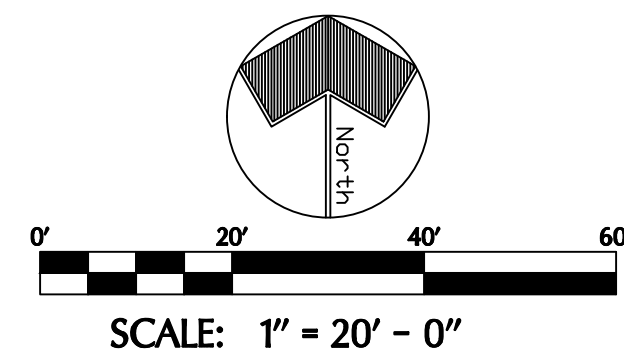
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CURVE DATA C1  
 PI STA. = 28+63.41  
 ? = 36° 21' 40" (LT)  
 D = 28° 38' 52"  
 T = 65.68  
 L = 126.92  
 R = 200.00  
 PC STA. = 28+97.73  
 PT STA. = 30+24.66

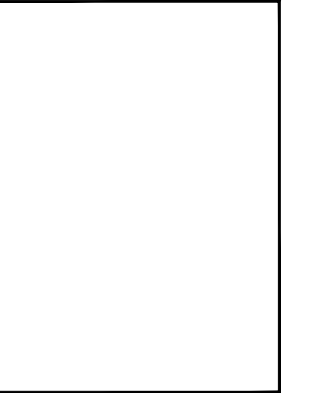
**3** SEGMENT 3  
 R2.3 SCALE: 1" = 20' - 0"



Revisions:	No.	Issue	Date

SIGNAGE AND MARKINGS PLAN (3)  
**SCOTT STREET L.I.D. STREETSCAPE**  
 TAMPA, FLORIDA  
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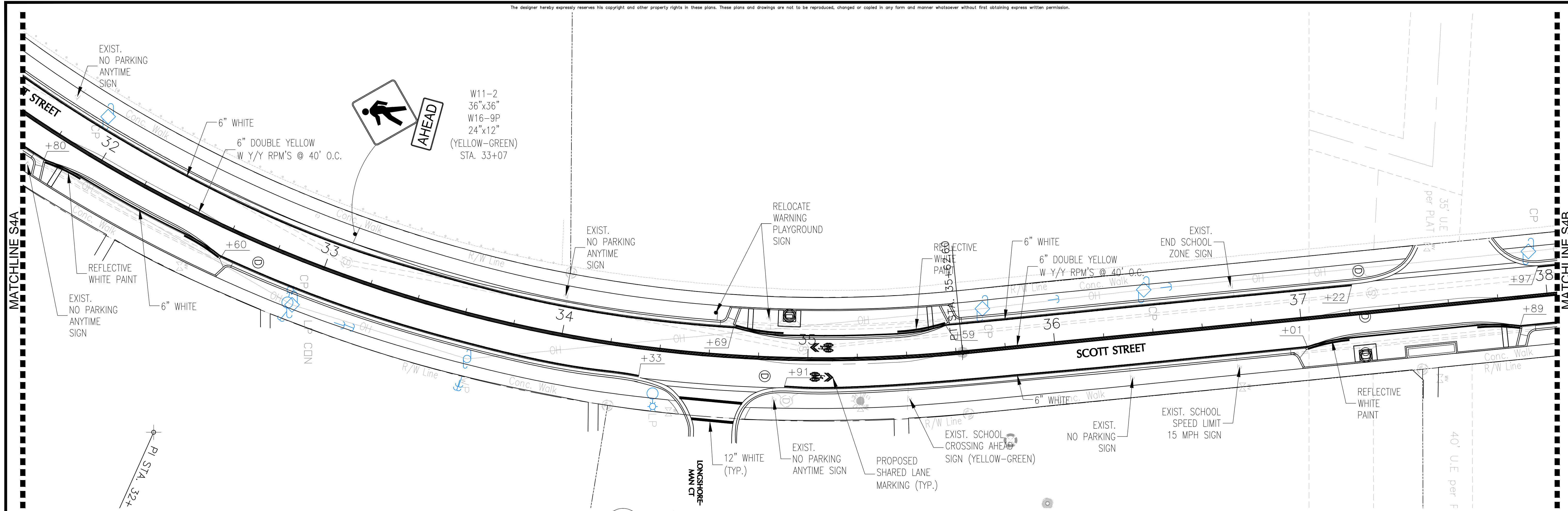
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Issue Date	Job #
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Scale	Proj. #
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18/18	18/18
Location:	Drawn:
TAMPA	RPZ
Design:	Check:
RPZ	ITL/GT
Scale:	

Sheet No.  
**R2.3**  
 13 of 14

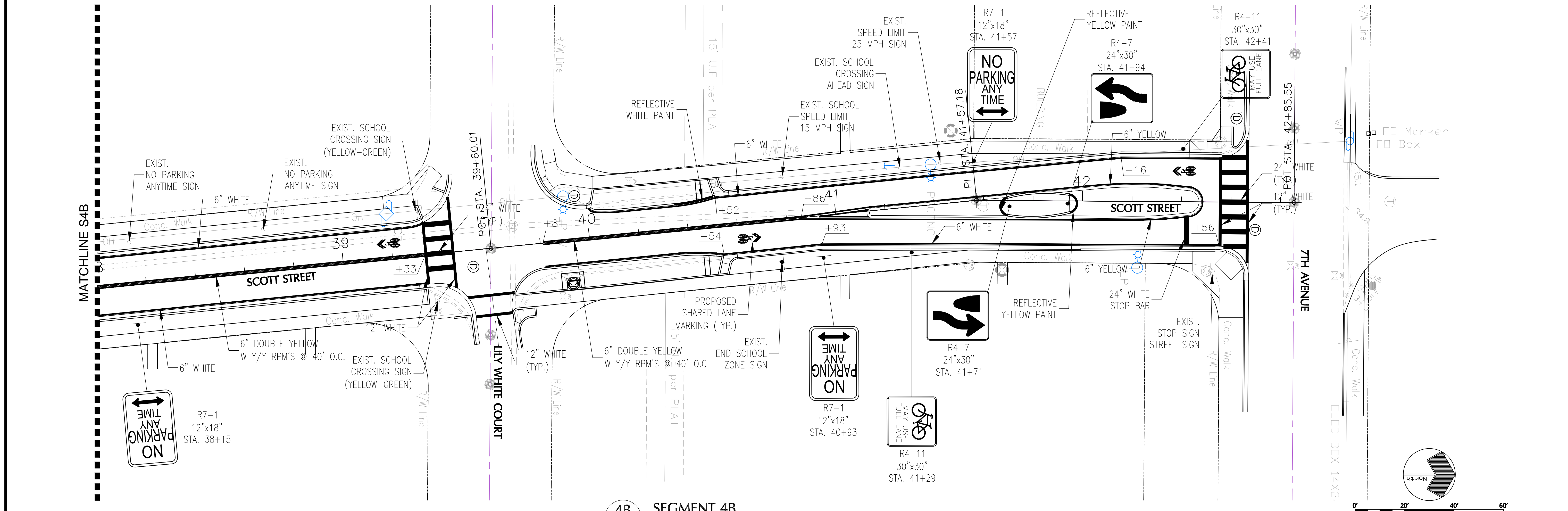
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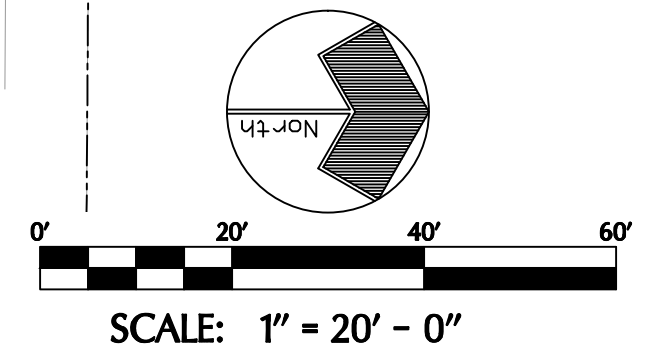
Revisions:	No.	Issue	Date



**4A SEGMENT 4A**  
R2.4 SCALE: 1" = 20' - 0"



**4B SEGMENT 4B**  
R2.4 SCALE: 1" = 20' - 0"



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18/18	18/18
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Scale	Checked
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Sheet No.  
**R2.4**  
14 of 14

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PAVER SCHEDULE						
SYMBOL	MANUFACTURER	SERIES	SIZE	COLOR	PATTERN	THICKNESS
[BOR]	PINE HALL BRICK	ENGLISH EDGE	4X8	COCOA	SAILOR COURSE	2-3/4" WITHIN CURBLINE, 2-1/4" TYP.
[BPV]	PINE HALL BRICK	STORM PAVE	4X8	FULL-RANGE	45° RUNNING BOND ANGLED AS SHOWN	2-1/4" W/ #9 GRANITE IN VOIDS
[BRN]	N/A	N/A	4X8	SALVAGED BRICK	RUNNING BOND AS SHOWN	2-3/4"
[BSV]	N/A	N/A	4X8	SALVAGED BRICK	RUNNING BOND ALONG LONG EDGE	2-3/4"
[BTC]	PINE HALL BRICK	ADA	4X8	COCOA	RUNNING BOND ALONG LONG EDGE	2'-1/4"
[HEE]	PINE HALL BRICK	ENGLISH EDGE	4X8	FULL-RANGE (50%) AND BUFF (50%)	45° HARLEQUIN HERRINGBONE	2-3/4", SEE P8, SHEET H2.3
[SPL] WITHIN CURBLINE	TREMORON	PARK PLAZA	12X12	SAND DUNE	STACK BOND U.N.O.	2-3/4"
[SPL] BEHIND CURB	TREMORON	PARK PLAZA	12X12	SAND DUNE	45° STACK BOND U.N.O.	2-1/4" W/ GRANITE SCREENINGS IN JOINTS

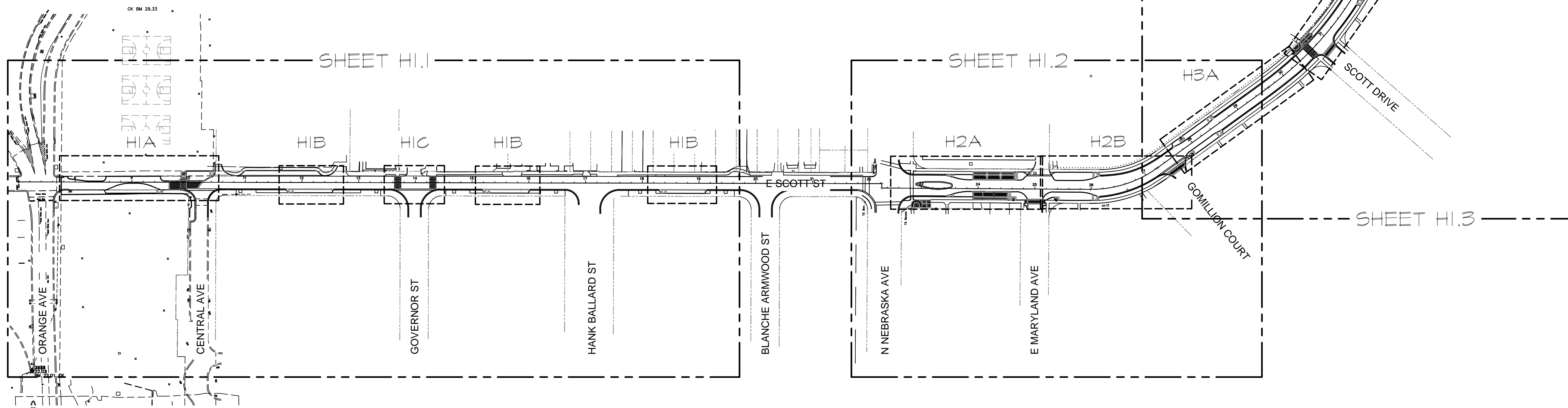
FURNISHING SCHEDULE						
SYMBOL	MANUFACTURER	SERIES	SIZE	COLOR	DETAILS	
BENCH	DUMOR	58	6'	BLACK	CENTER ARM	
BIKE RACK	DUMOR	199	N/A	BLACK	5-1 EMBEDMENT, POWDER-COATED	
TRASH RECEPTACLE	DUMOR	N/A	36" H	BLACK	102-32SH-FTO w/ BT-BONNET COVER	
WATER FOUNTAIN	MOST DEPENDABLE FOUNTAIN	440-SMSS	N/A	BLACK	STAINLESS STEEL, TEMPLATE 10, ATTACHED PET FOUNTAIN	
GABION	NOT SPECIFIED	N/A	24"x24"x12" H TYP.	METALLIC	3"x3", 9 GAUGE MESH W/ 1.5" MESH REDUCING PANELS, GALVANIZED	
GRANITE CURB	N/A	N/A	VARIABLES	MATCH EXISTING TO REMAIN	SALVAGED	
PET STATION	DOGI-POT	#1003-L	6' H	GREEN	"ON LEASH" SIGN	
ROOT BARRIER	DEEPROOT	12-2	12"x24"	N/A	SEE SHEET L1.1 FOR LOCATIONS	
TRENCH GRATE	IRON AGE DESIGNS	LOCUST	12"x20"	CAST IRON		
	NEENAH FOUNDRY	TRENCH W/ PAN	PER PLAN	METALLIC	SEE DETAIL T1 SHEET H2.2 FOR DETAILS	

**HARDSCAPE NOTES**

- DESIGN PROFESSIONAL HAS PROVIDED A WATER SOURCE LOCATION FOR WATER FOUNTAIN. CONTRACTOR IS RESPONSIBLE FOR ALL PERMITTING TASKS AND COSTS ASSOCIATED WITH INSTALLATION OF WATER FOUNTAINS AND WATER METERS. CONTRACTOR SHALL MAKE THE UTILITY SERVICE APPLICATION WITH THE WATER DEPARTMENT.
- THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF THE QUANTITIES OF WORK REQUIRED TO COMPLETE THE CONSTRUCTION SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO MAKE THEIR OWN ASSESSMENT OF THE SITE AND THE WORK REQUIRED PRIOR TO BIDDING AND ANY DISCREPANCIES, ERRORS OR OMISSIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE CITY REPRESENTATIVE BEFORE THE BID DUE DATE.

**GRADING LEGEND**

- VERIFY AND MATCH EXISTING ELEVATION SHOWN
- TOP OF CURB ELEVATION
- PROPOSED SPOT ELEVATION



**H HARDSCAPE INDEX PLAN**  
H1.0 SCALE: 1" = 100' - 0"

Revisions:		
No.	Issue	Date

**HARDSCAPE PLAN INDEX**  
**SCOTT STREET L.I.D. STREETSCAPE**  
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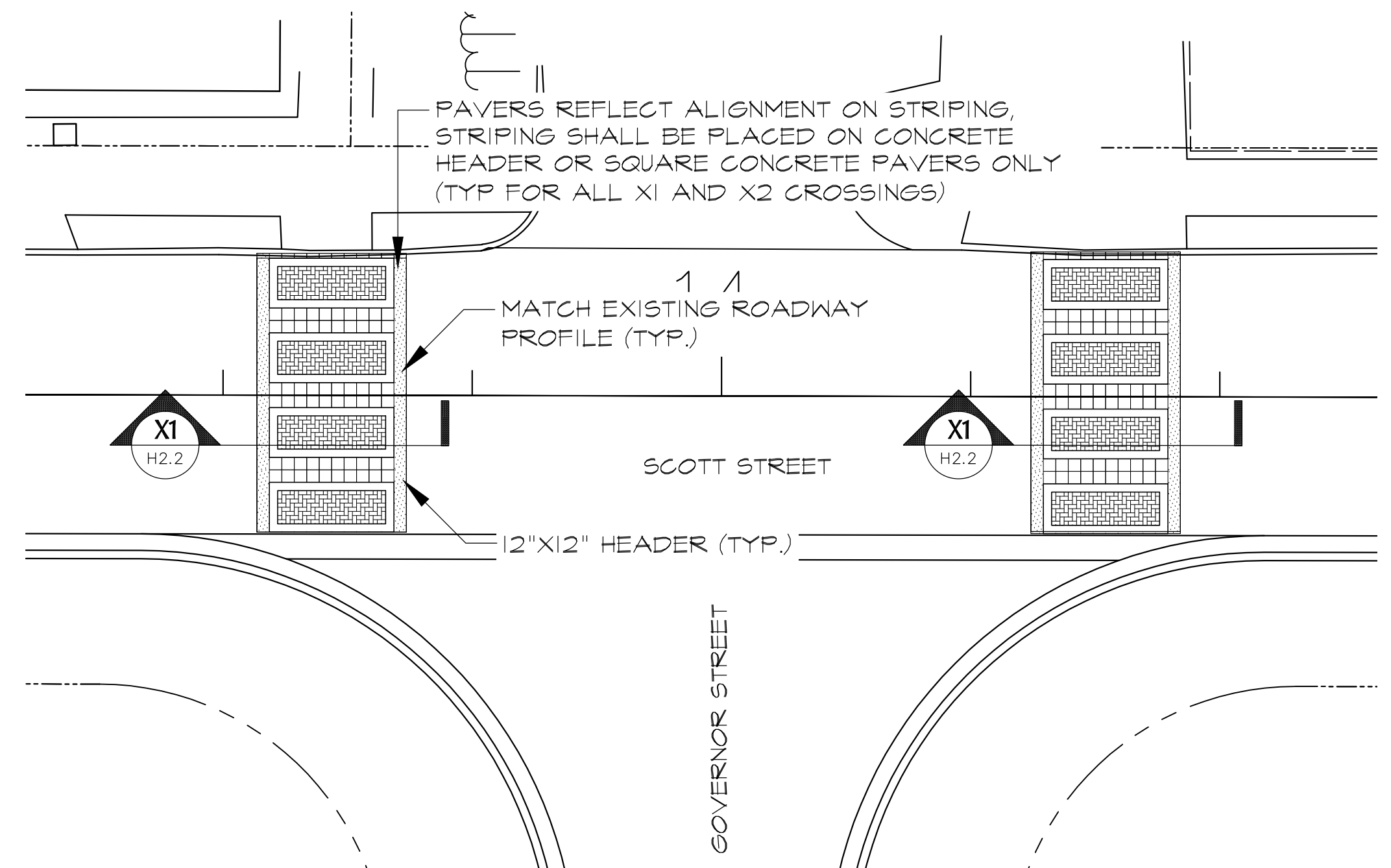
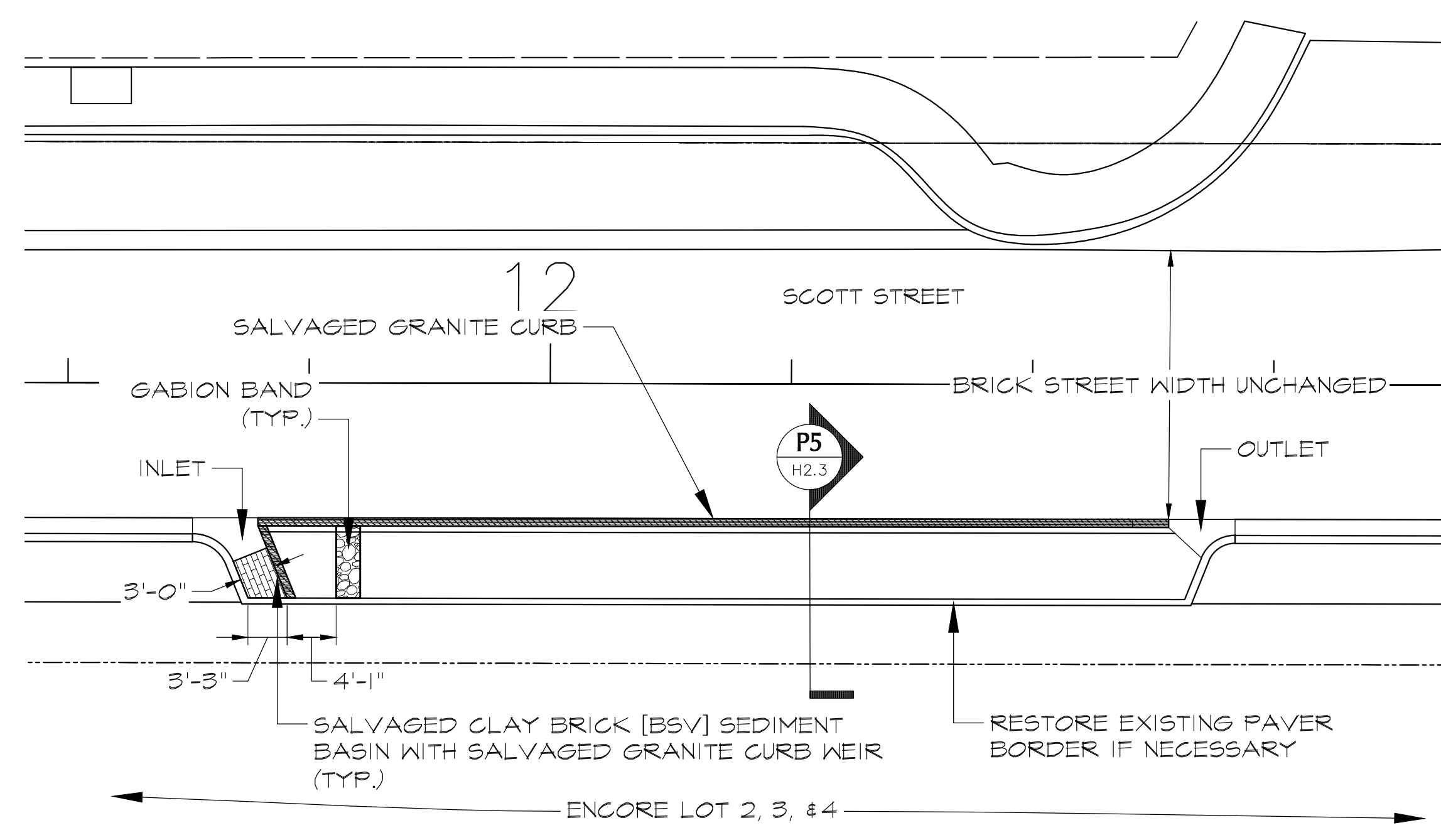
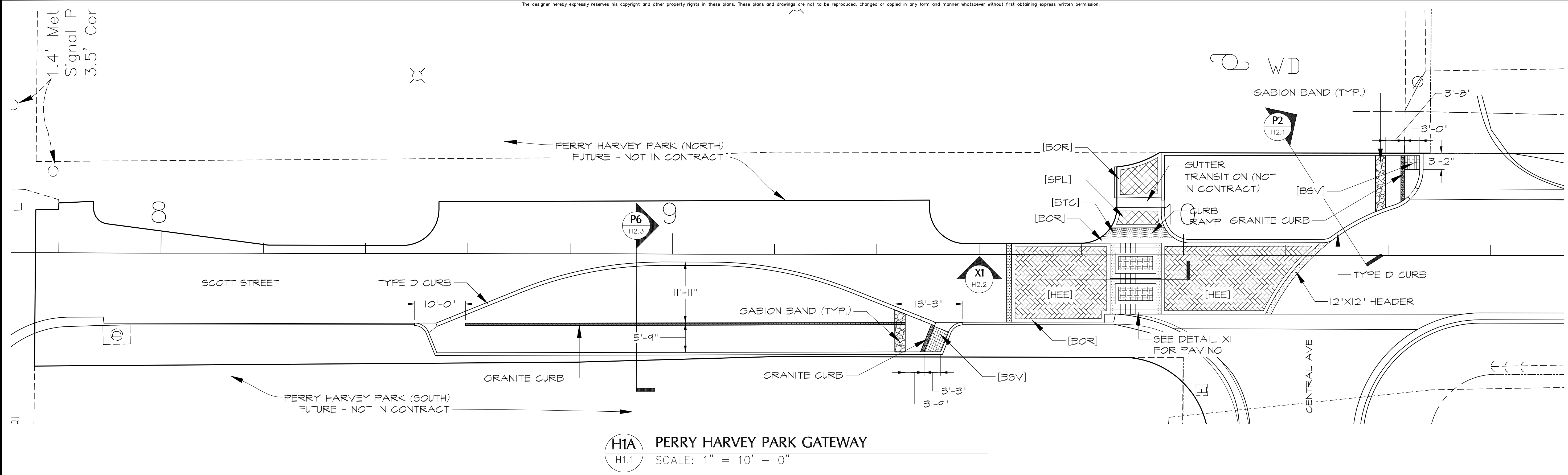
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Issue Date	Job #
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Rev	Rev
13/18	29/29
18/18	18/18
Location	
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Designer	Drawn
RPZ	RPZ
Scale	Checked
	TFL/GT

Sheet No.  
**H1.0**  
1 of 10

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HARDSCAPE PLAN (1)  
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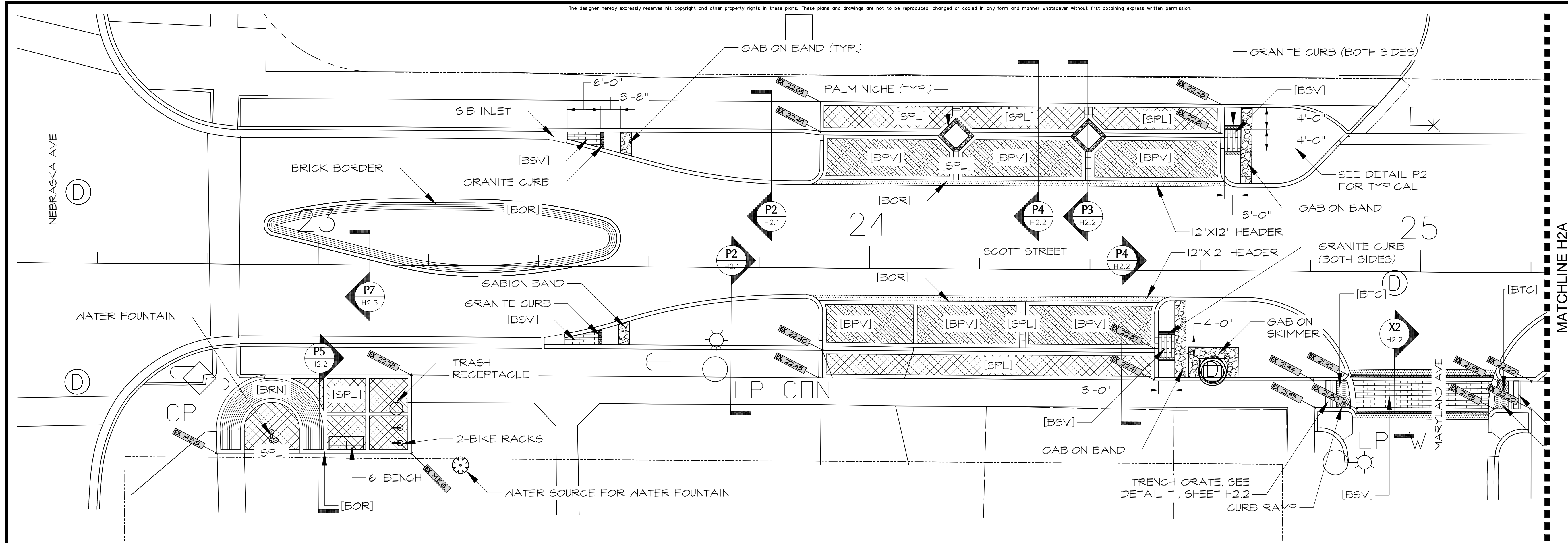
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Sheet No.  
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2 of 10

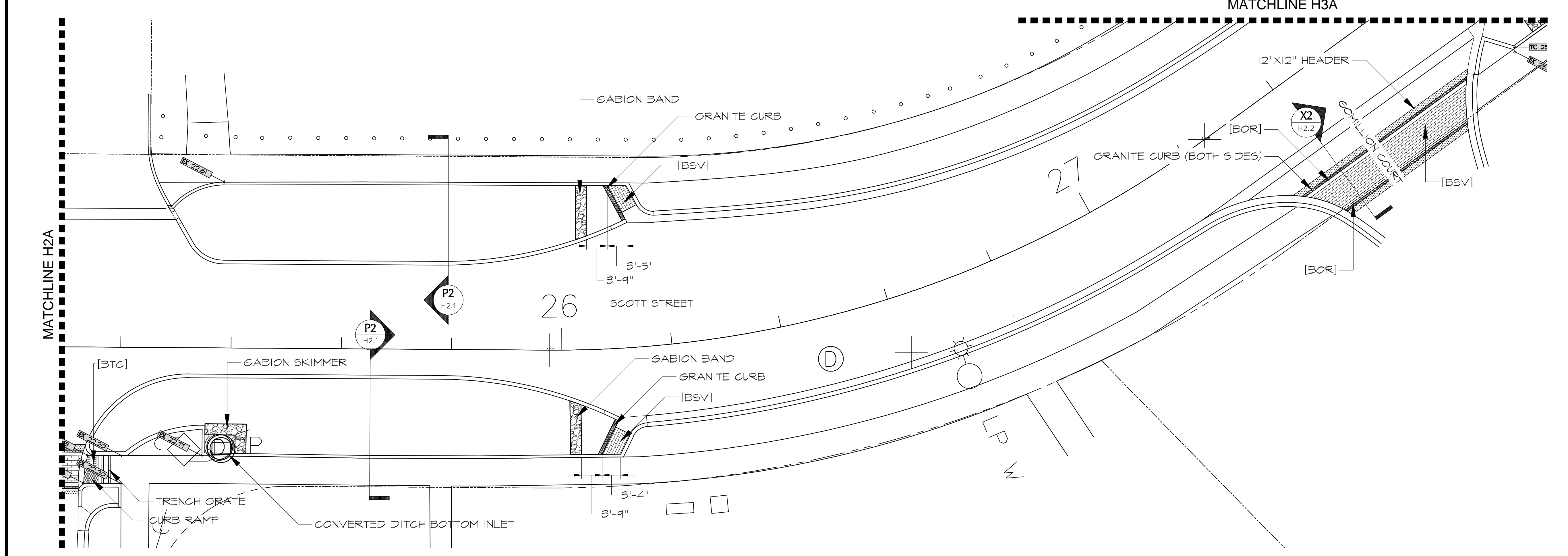
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Revisions:	No.	Issue	Date
	1	GRAPHIC ADJUSTMENT	



**H2A NEBRASKA AVE GATEWAY**  
 H1.2 SCALE: 1" = 10' - 0"



**H2B MARYLAND AVE TO GOMILLION COURT**  
 H1.2 SCALE: 1" = 10' - 0"

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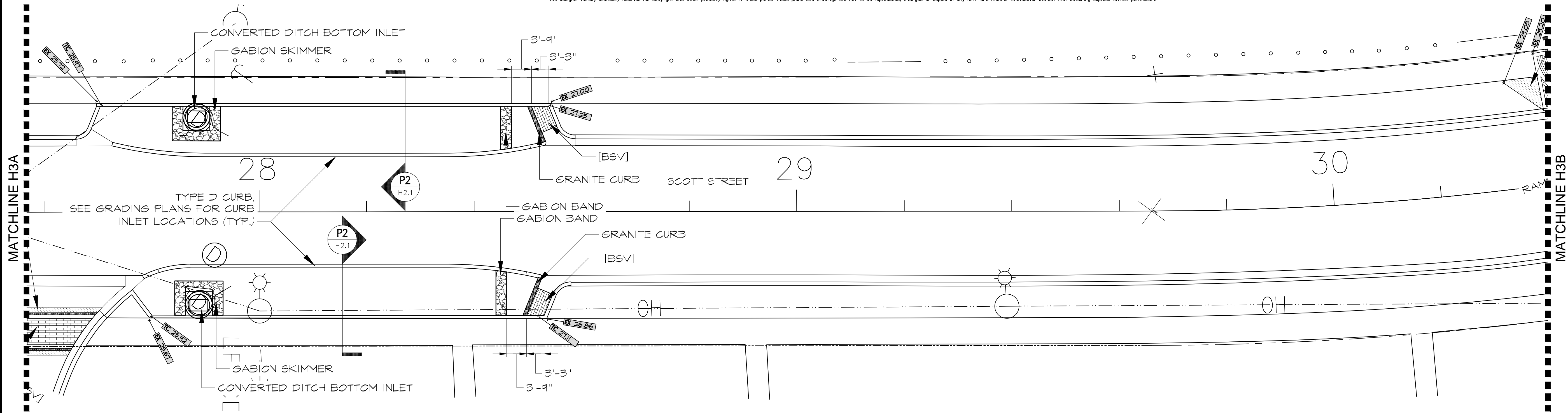
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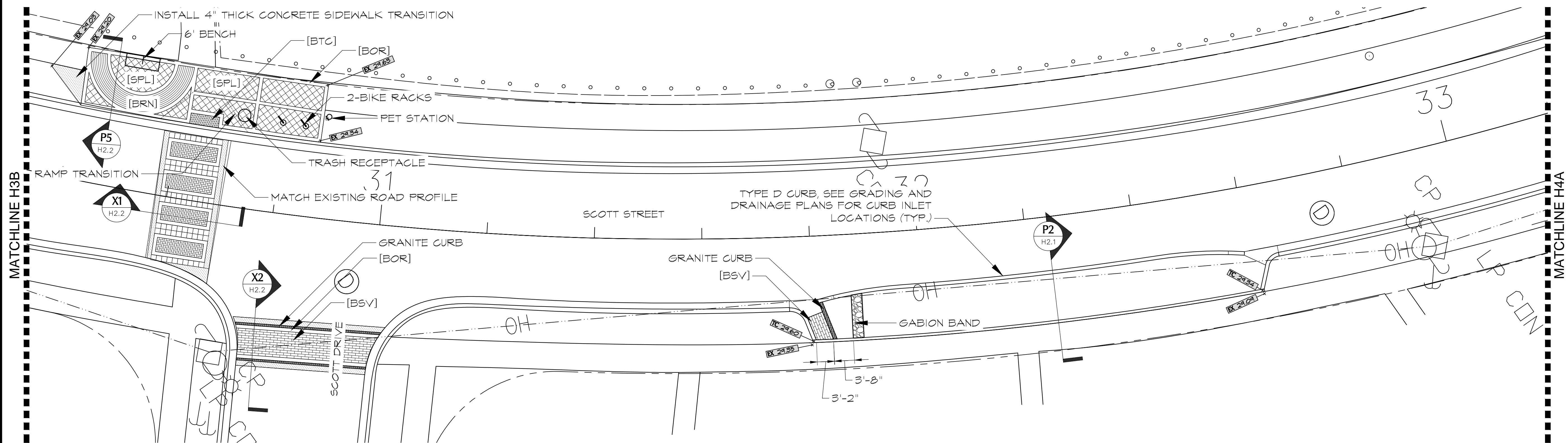
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**H3A** GOMILLION COURT TO SCOTT DRIVE  
H1.3 SCALE: 1" = 10' - 0"



**H3B** SCOTT DRIVE AREA  
H1.3 SCALE: 1" = 10' - 0"

Revisions:		
No.	Issue	Date

HARDSCAPE PLAN (4)  
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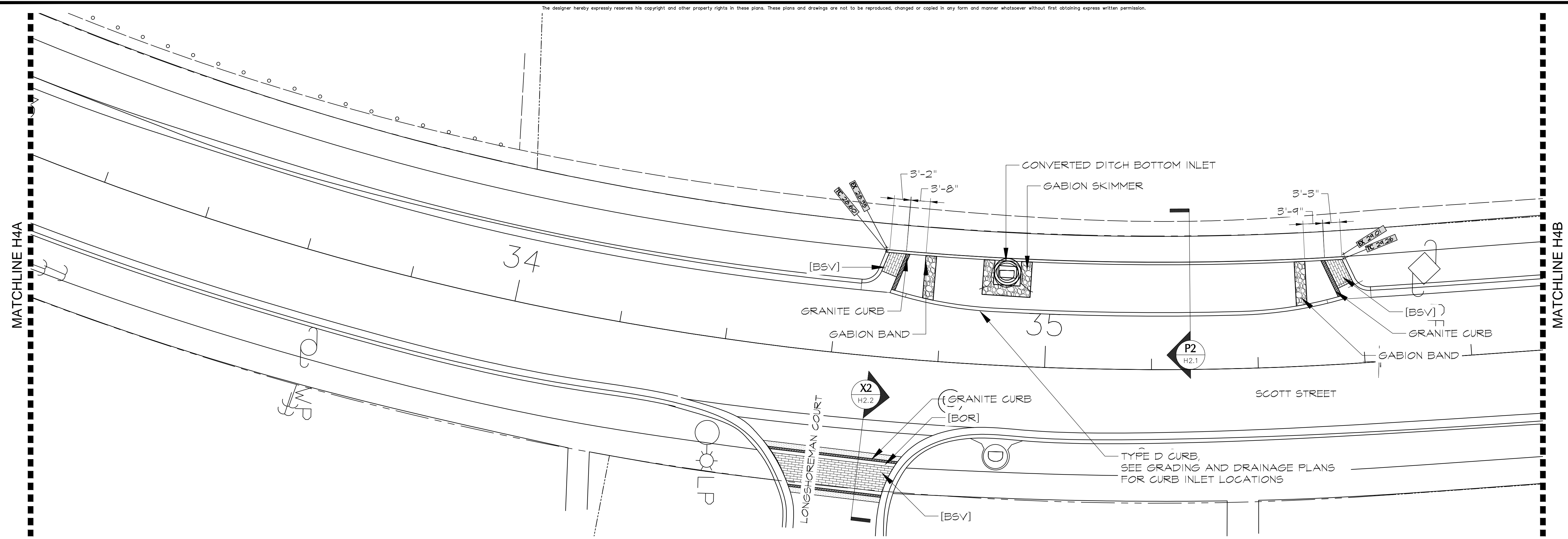
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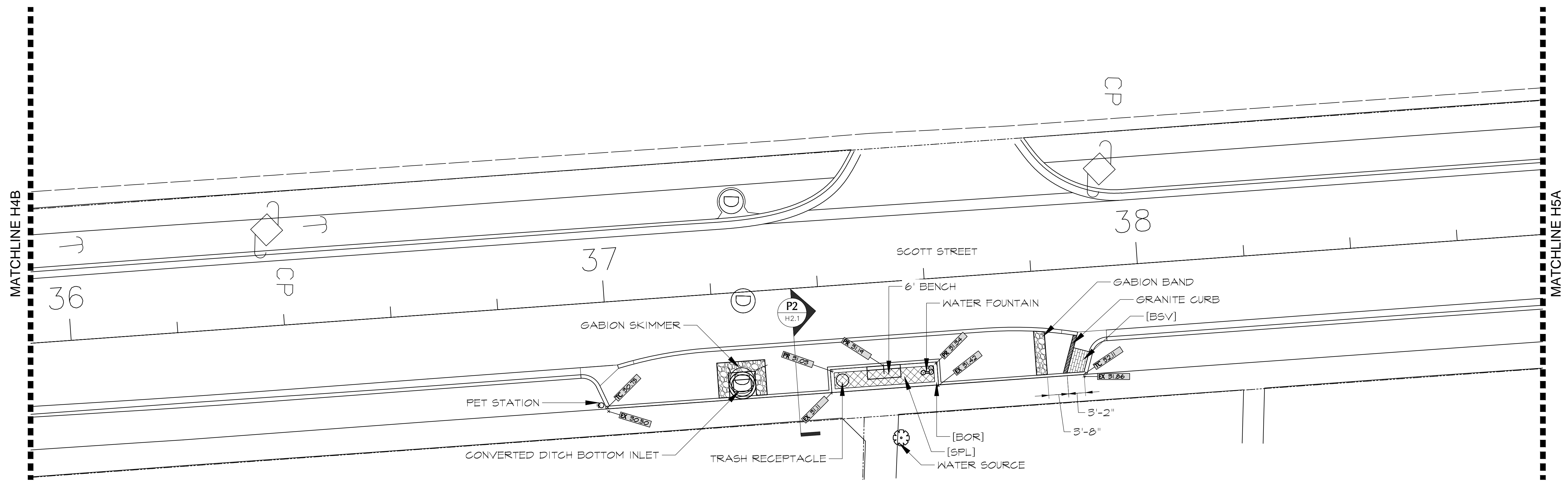
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**H1.3**  
4 of 10

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**H4A** LONGSHOREMAN COURT AREA  
H1.4 SCALE: 1" = 10' - 0"



**H4B** SOUTH OF LILY WHITE COURT  
H1.4 SCALE: 1" = 10' - 0"

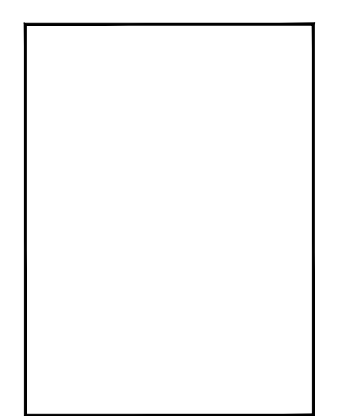
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HARDSCAPE PLAN (5)  
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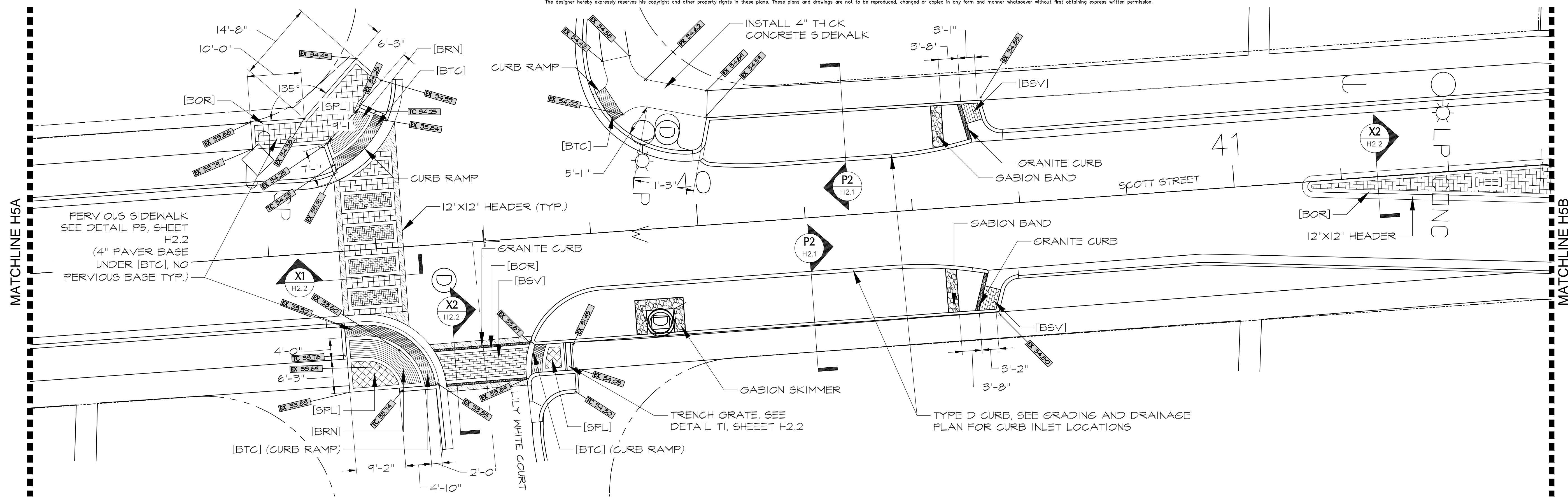
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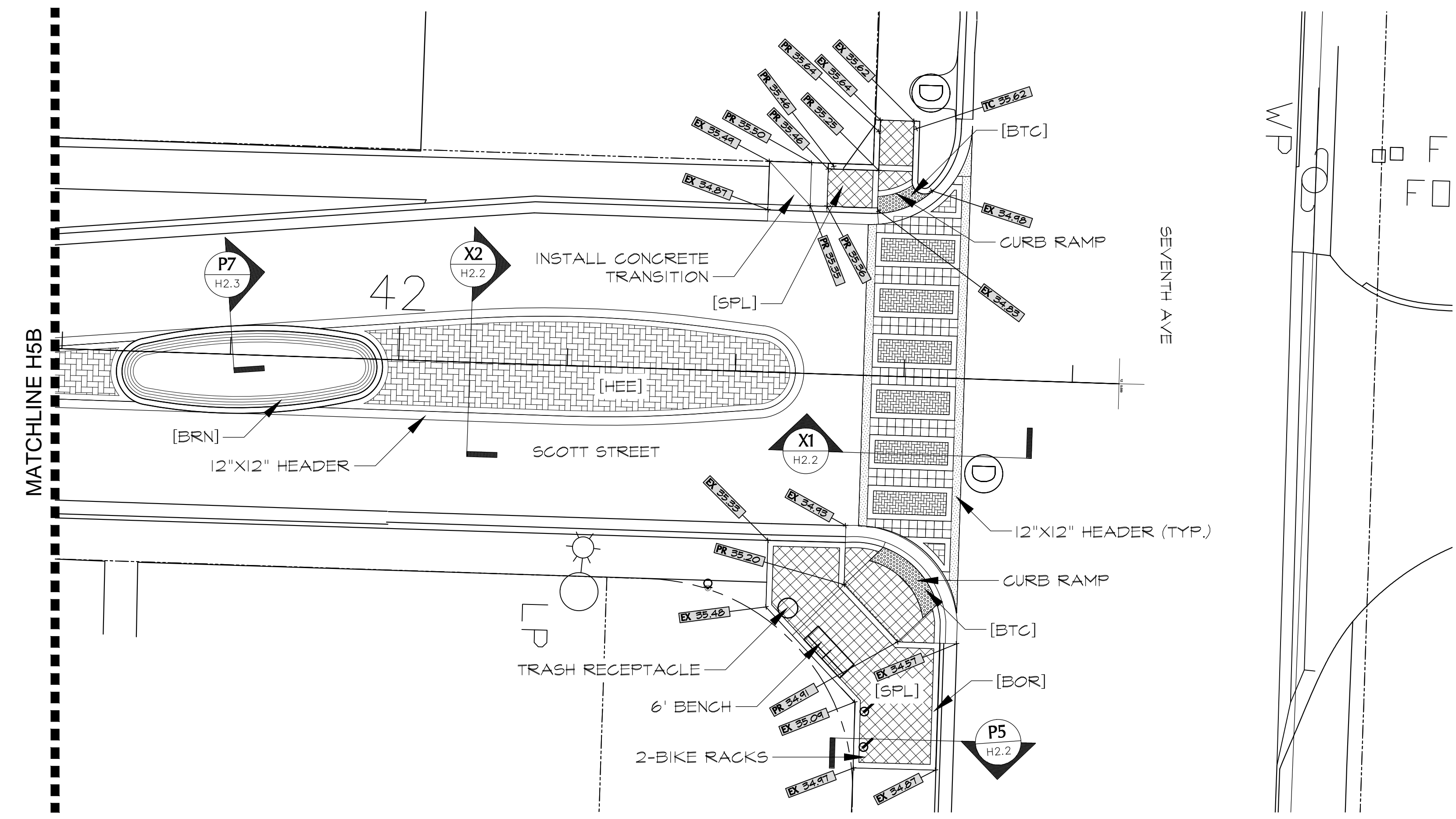
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**H5A** LILY WHITE COURT  
H1.5 SCALE: 1" = 10' - 0"



**H5B** SEVENTH AVE GATEWAY  
H1.5 SCALE: 1" = 10' - 0"

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HARDSCAPE PLAN (6)  
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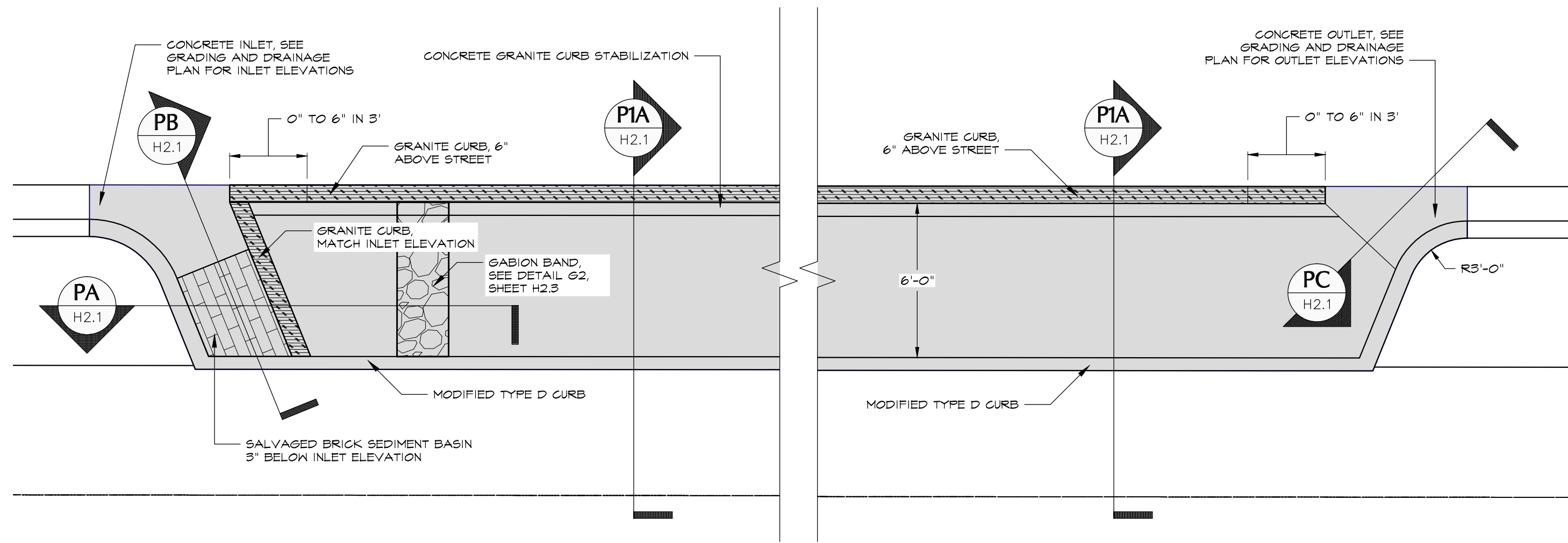
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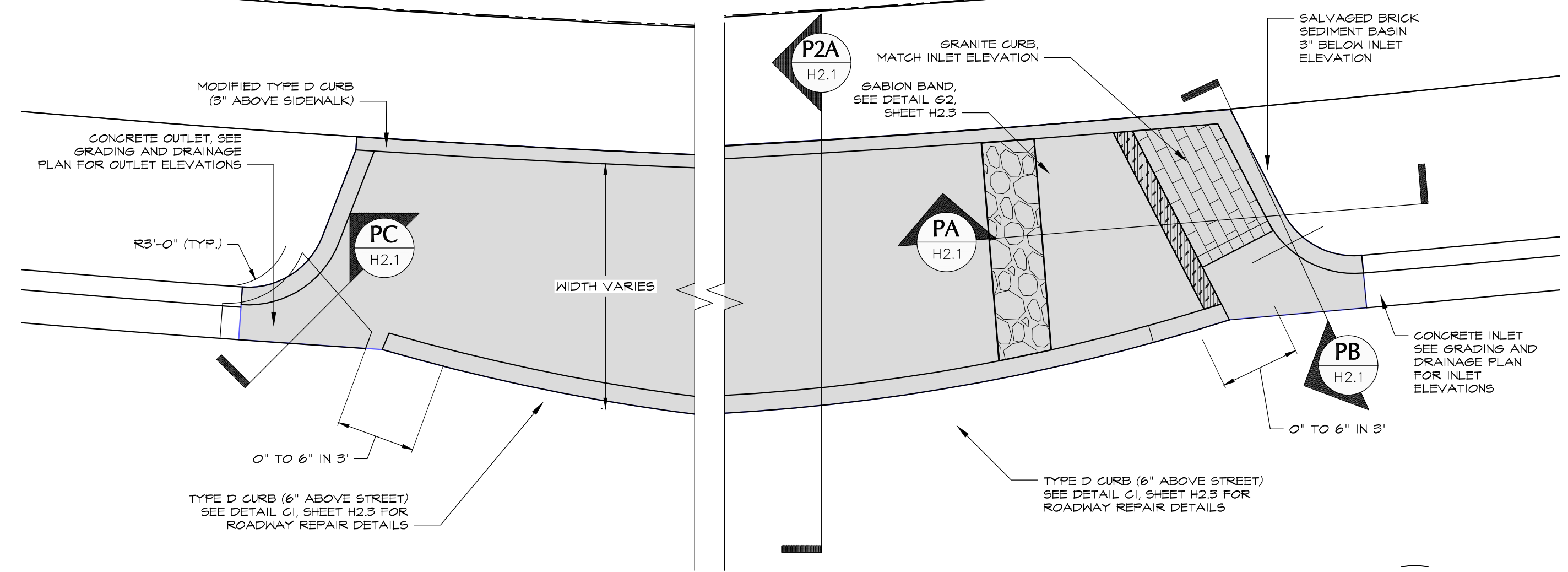
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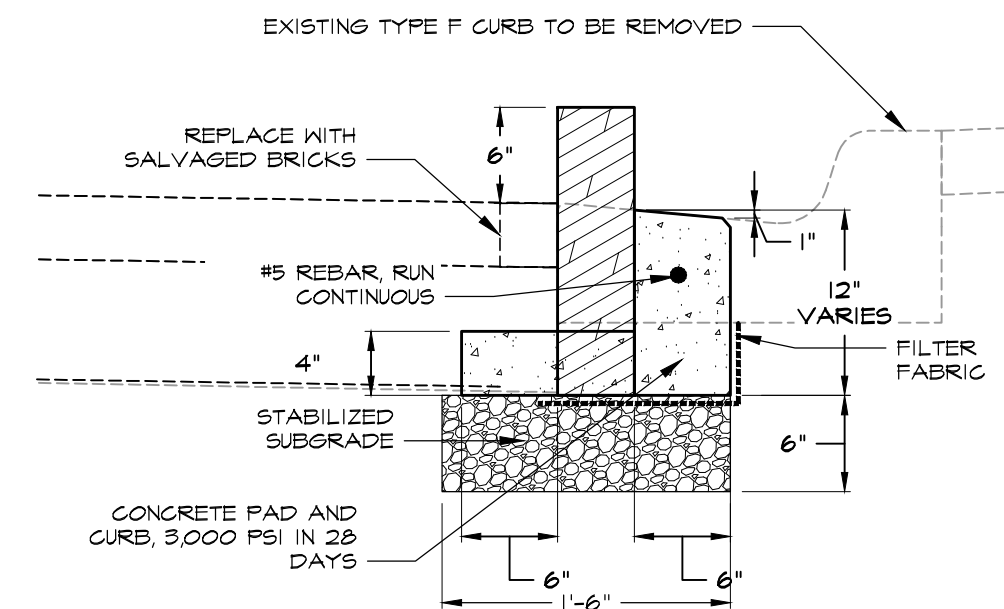
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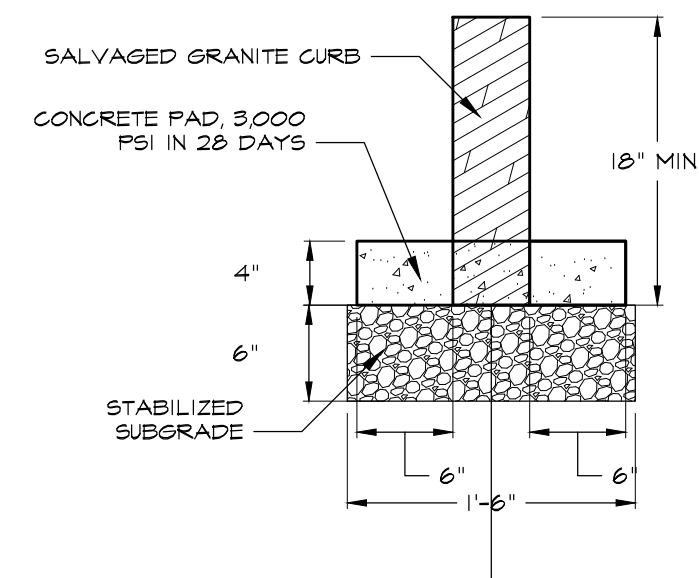
**P1** TYPICAL ENCORE SIB - INLET/OUTLET  
H2.1 SCALE: 1/4" = 1' - 0"



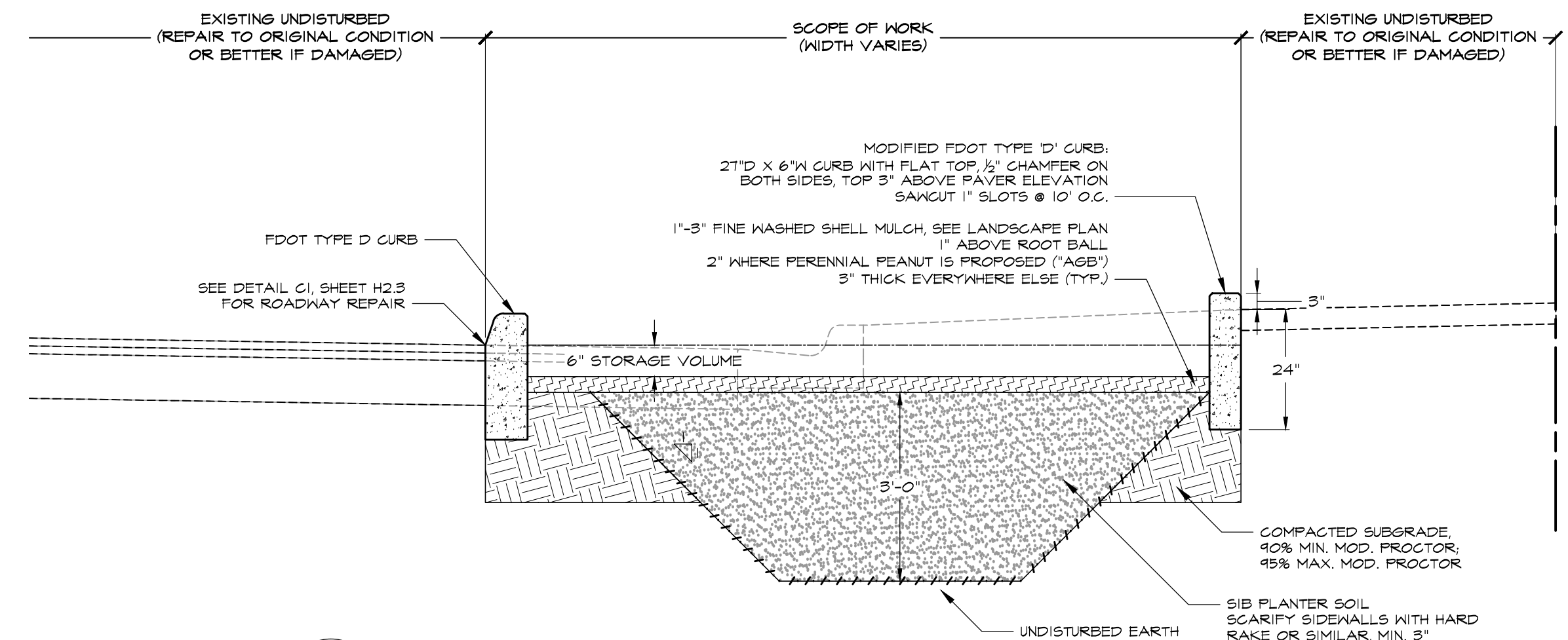
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H2.1 SCALE: 1/4" = 1' - 0"



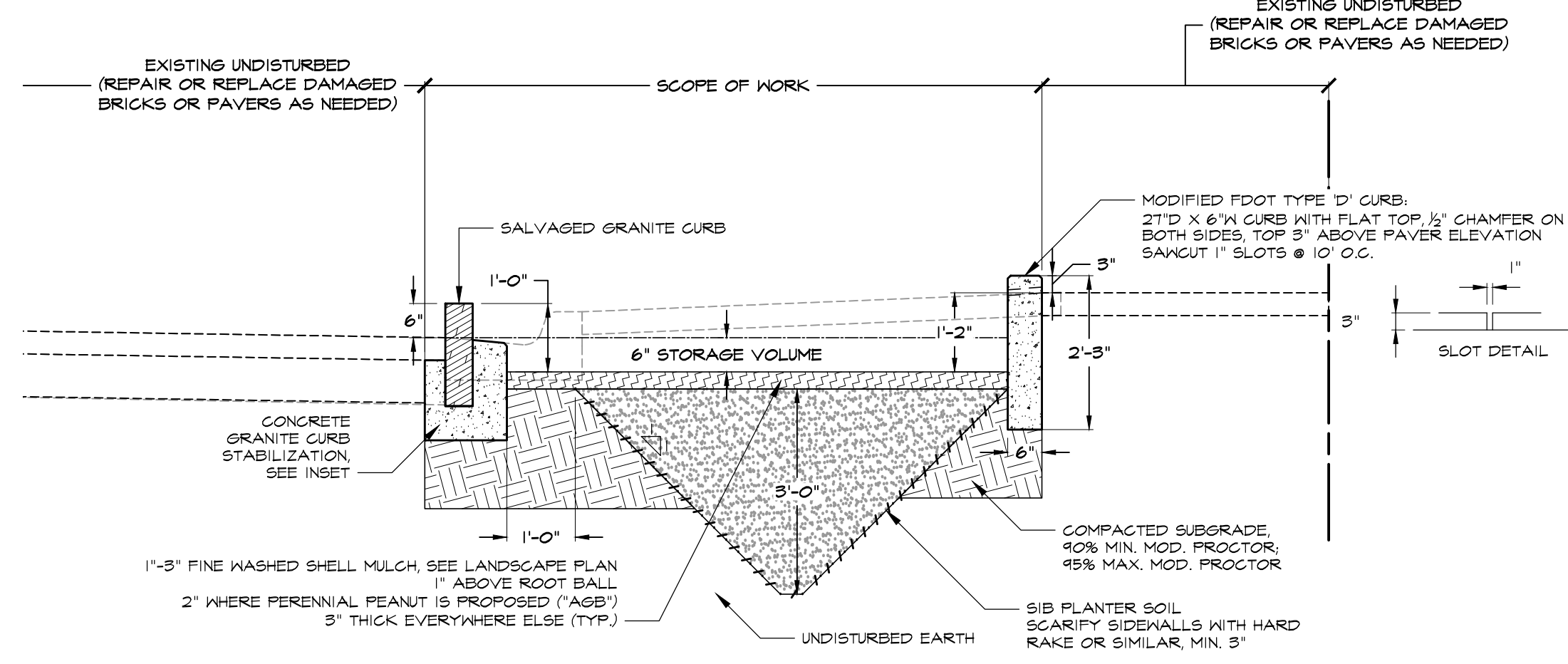
CONCRETE GRANITE CURB STABILIZATION



CONCRETE GRANITE CURB WEIR FOOTER

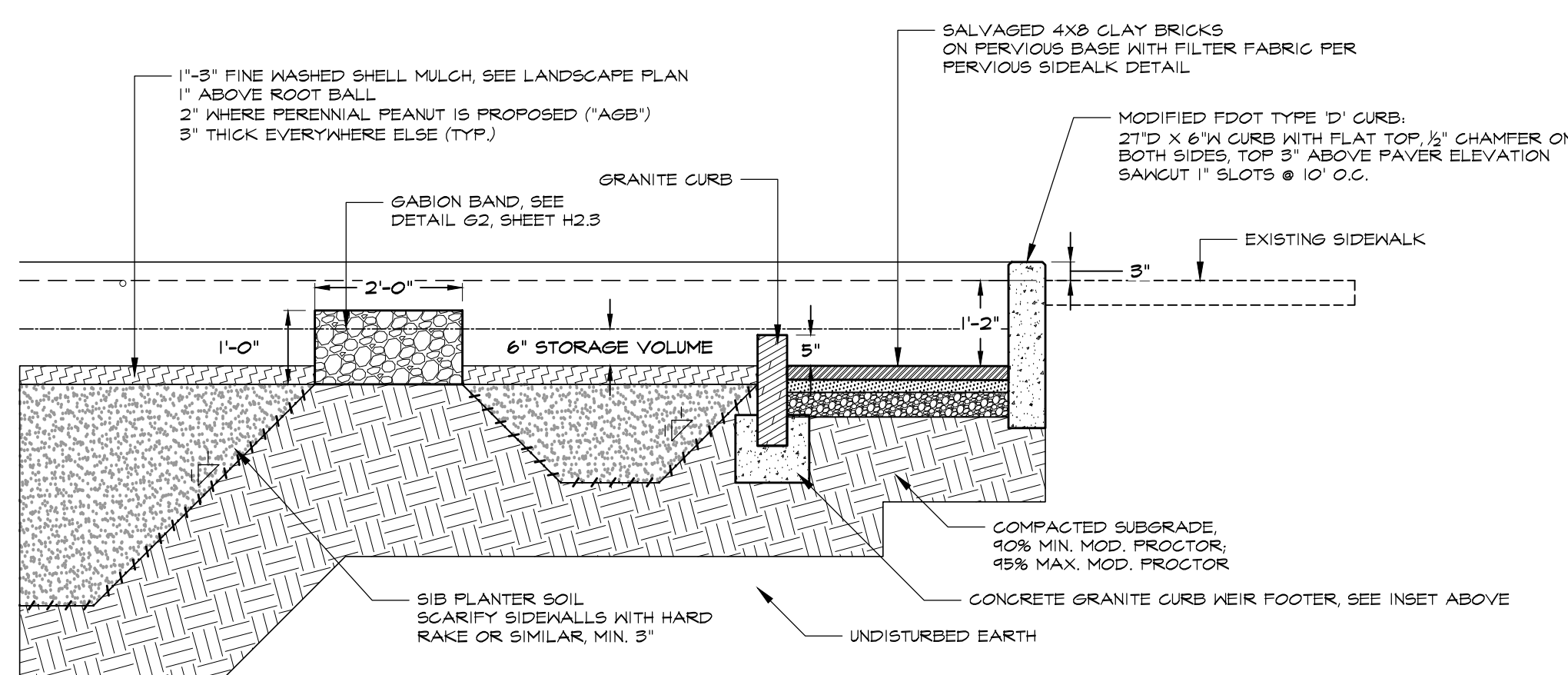


**P2A** TYPICAL SIB SECTION  
H2.1 SCALE: 1/2" = 1' - 0"

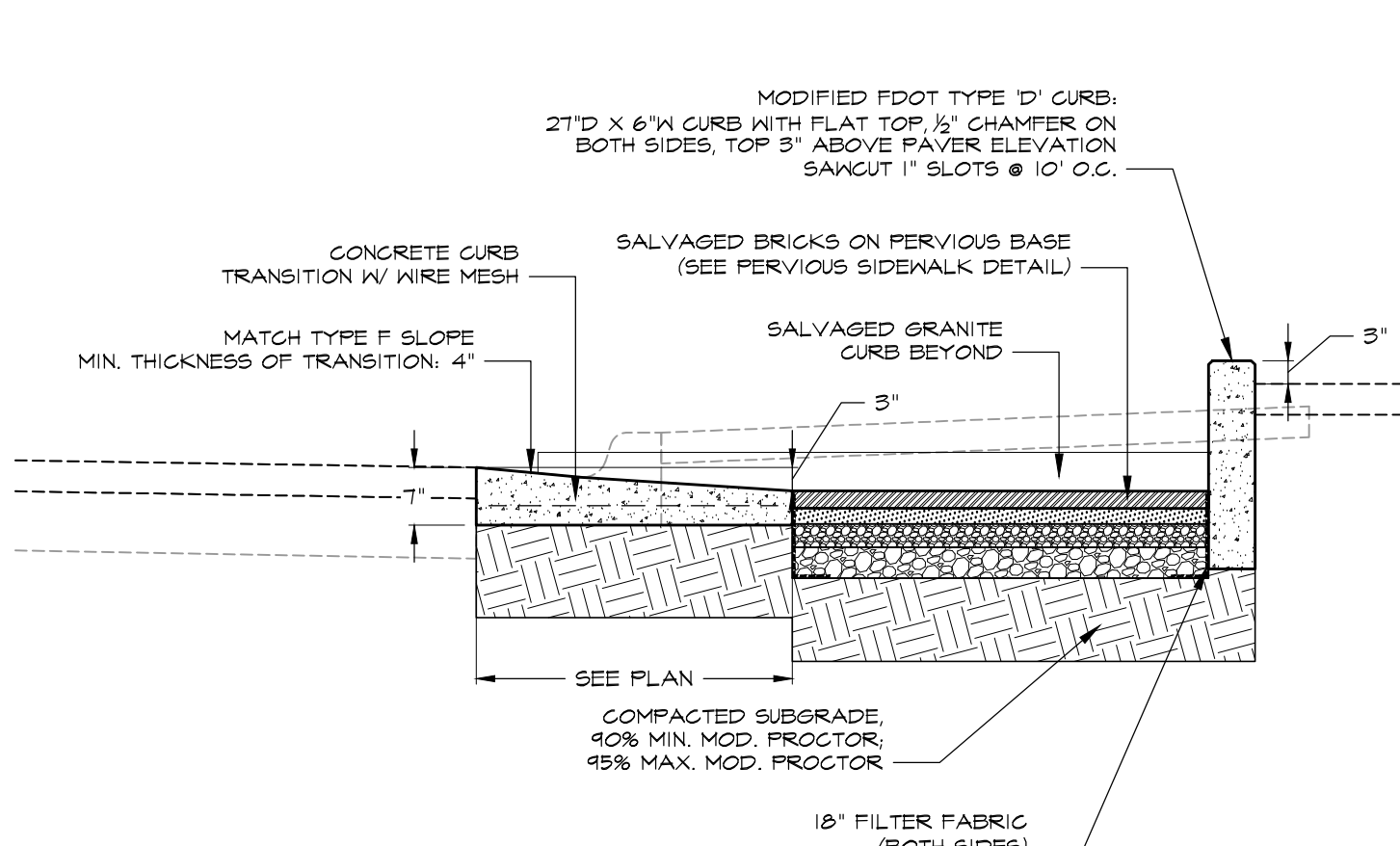


**PIA** ENCORE SIB SECTION  
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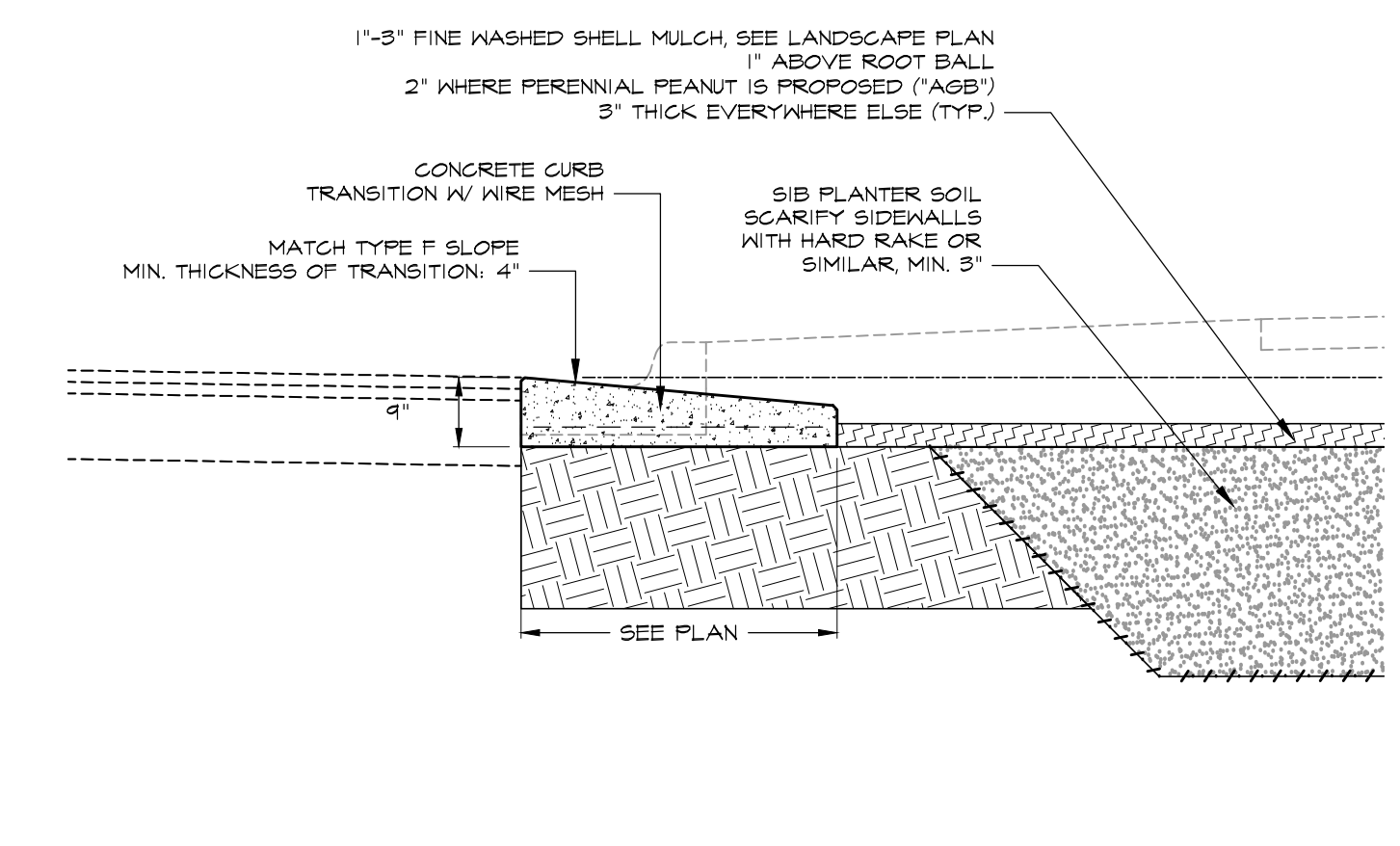
DIRECTION OF FLOW



**PA** TYPICAL SIB INLET SEQUENCE  
H2.1 SCALE: 1/2" = 1' - 0"



**PB** INLET TRANSITION TO SEDIMENT BASIN  
H2.1 SCALE: 1/2" = 1' - 0"



**PC** OUTLET TRANSITION TO GUTTER  
H2.1 SCALE: 1/2" = 1' - 0"

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HARDSCAPE DETAILS (1)  
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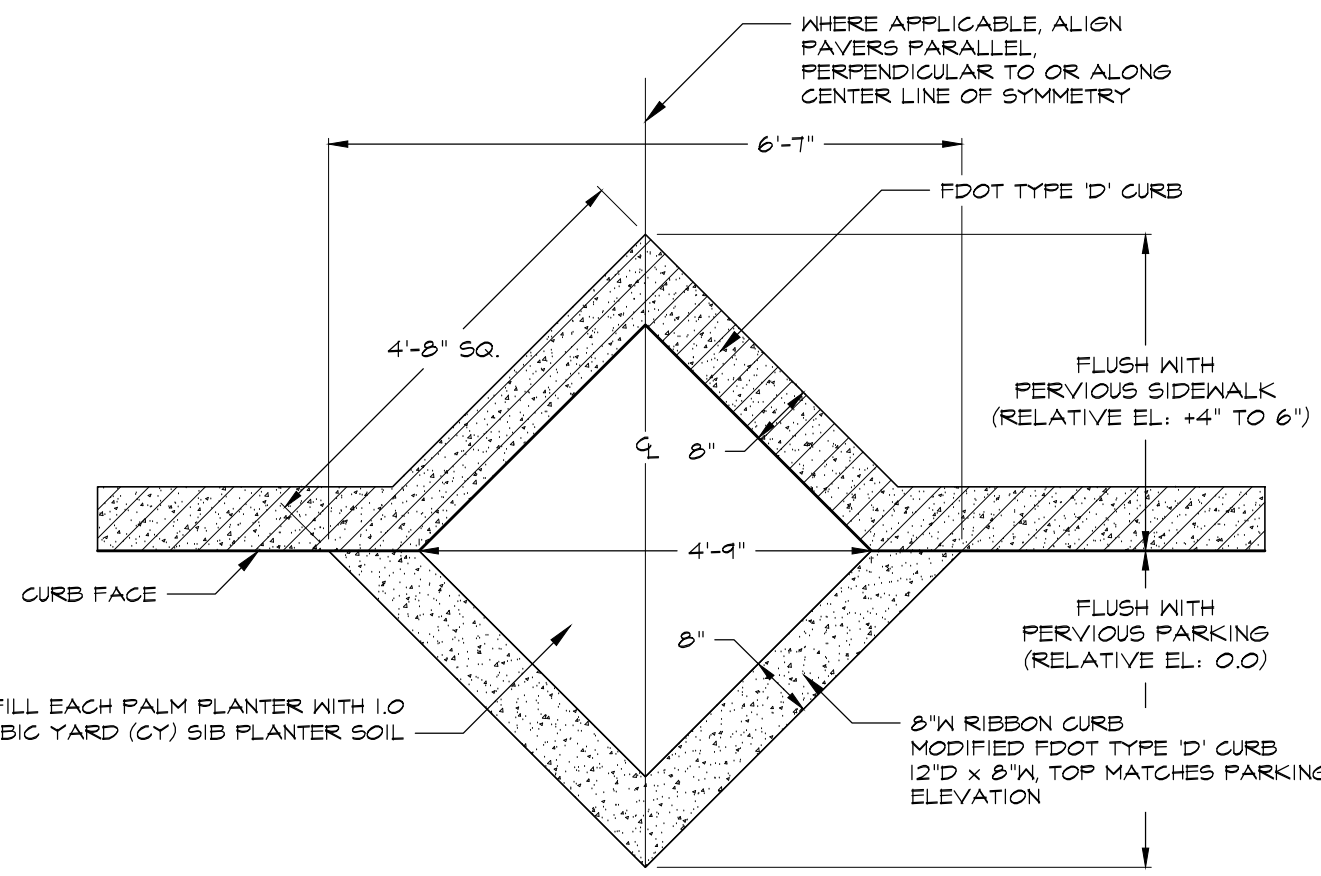
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Sheet No.	
H2.1	
7 of 10	

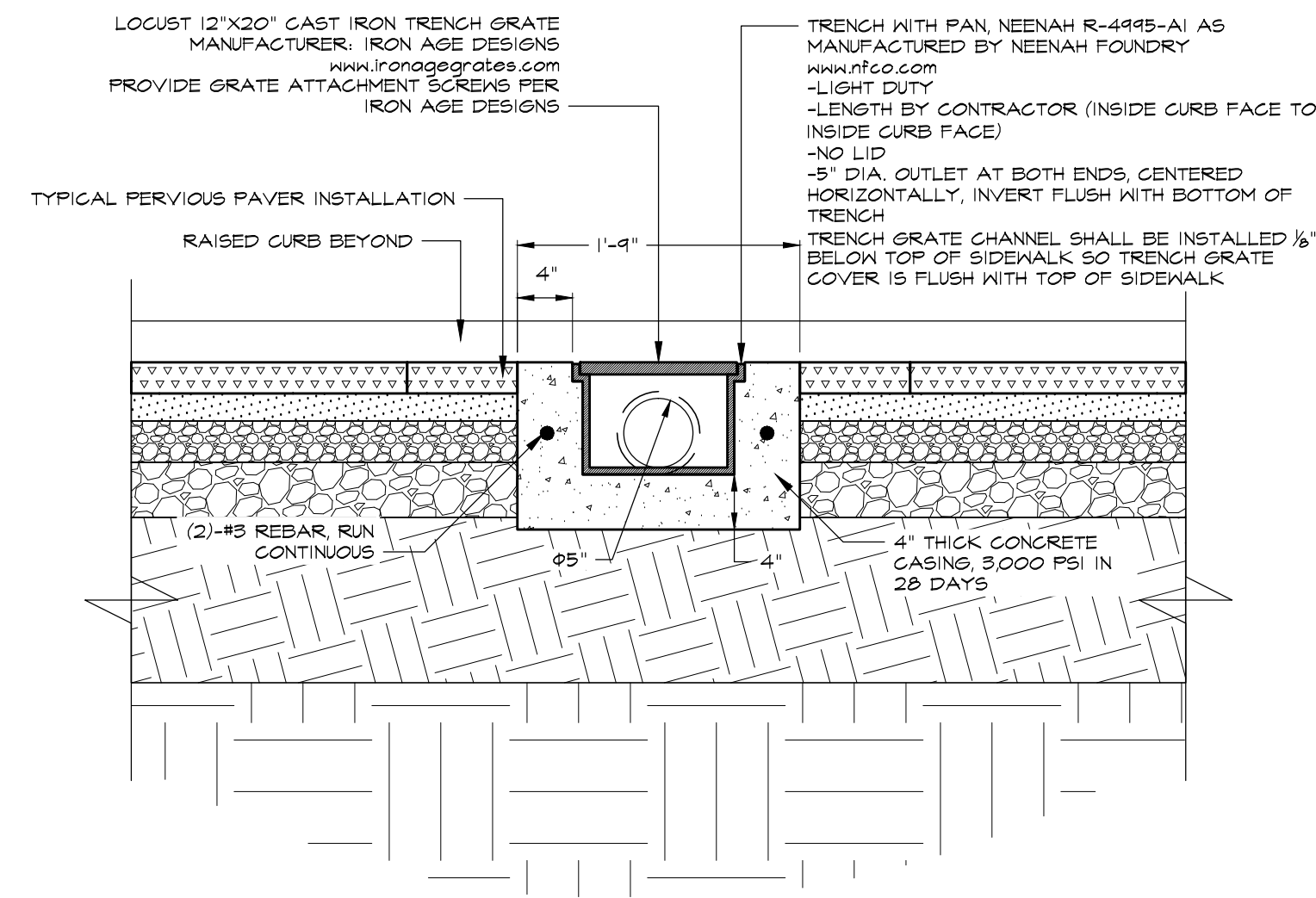
2016-01-27 scott\_street\_street\_hardscape\_details.rvt

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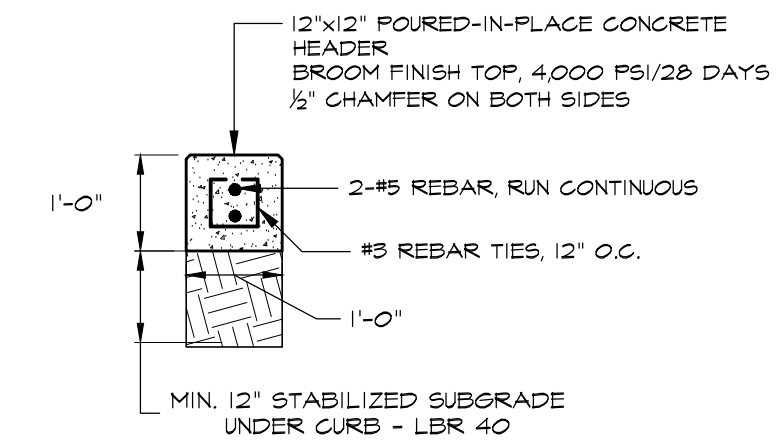
Revisions:		
No.	Issue	Date



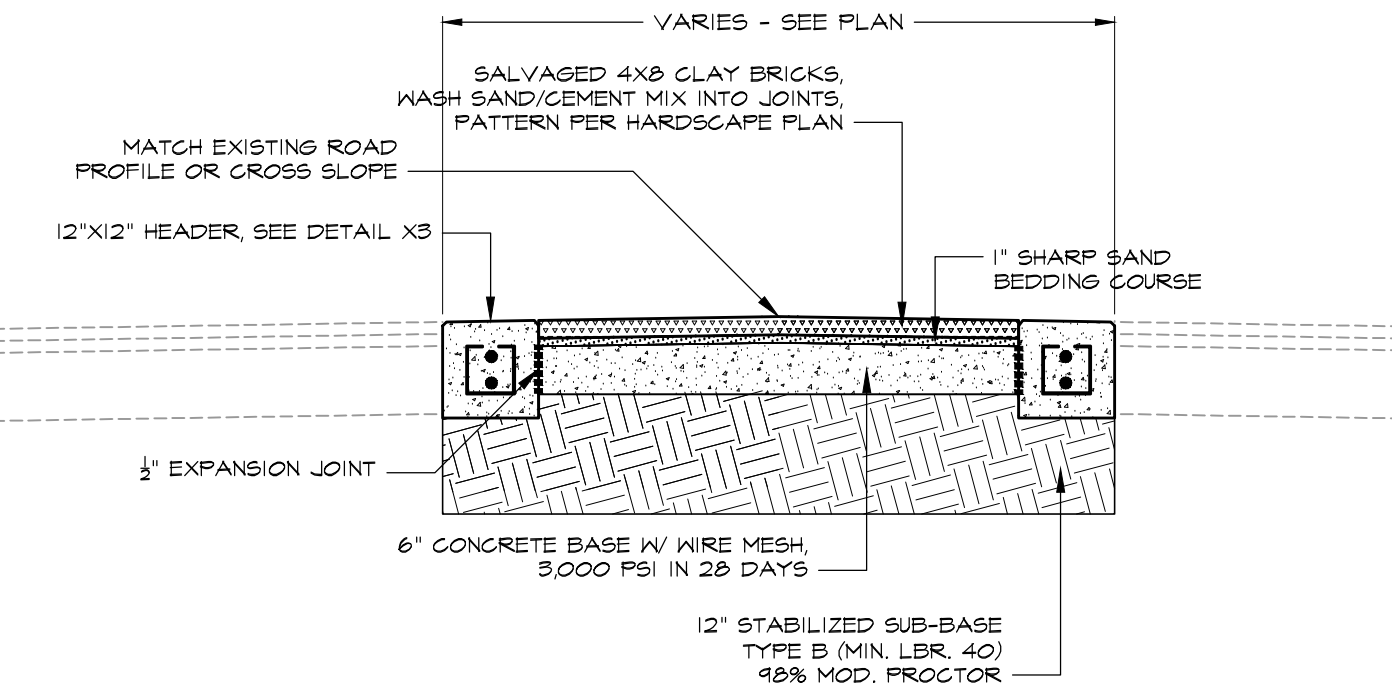
**P3** PALM NICHE AND PERVIOUS PARKING  
H2.2 SCALE: 1/2" = 1' - 0"



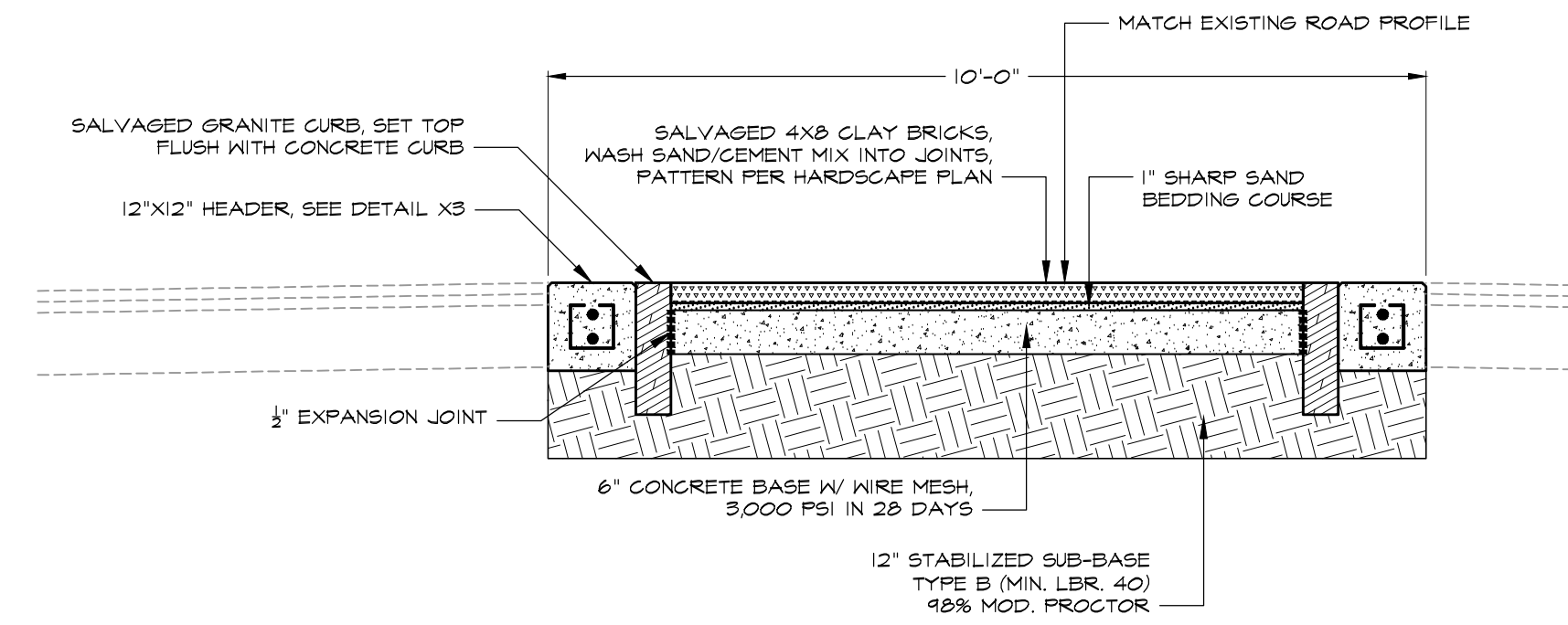
**T1** TRENCH GRATE DETAIL  
H2.2 SCALE: 1" = 1' - 0"



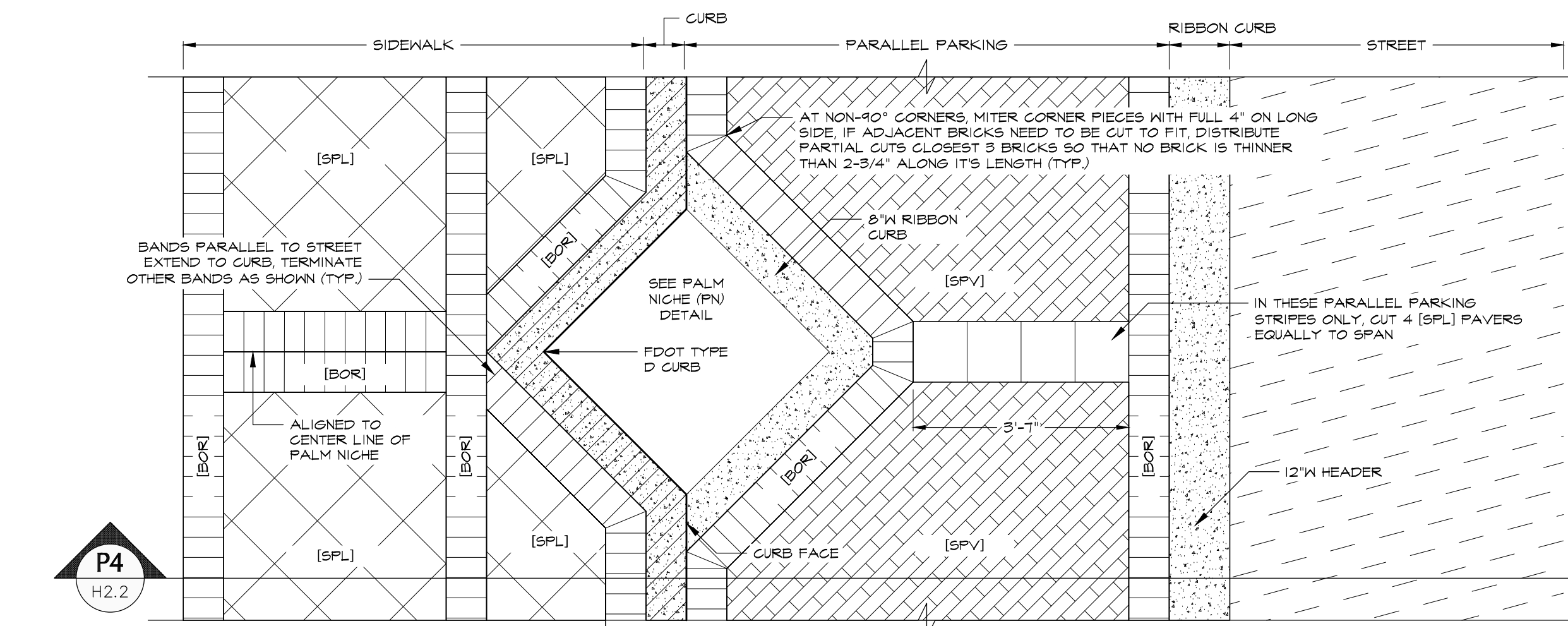
**X3** 12"X12" HEADER DETAIL  
H2.2 SCALE: 1/2" = 1' - 0"



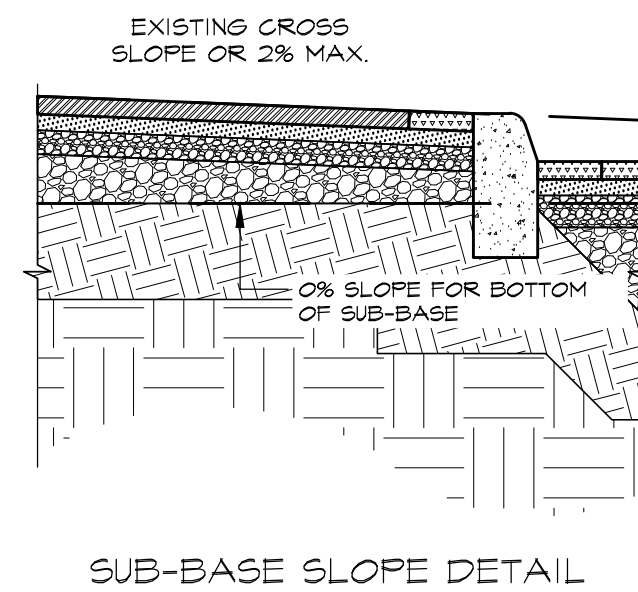
**X1** SPECIAL EMPHASIS CROSSWALK AND AT-GRADE MEDIAN  
H2.2 SCALE: 1/2" = 1' - 0"



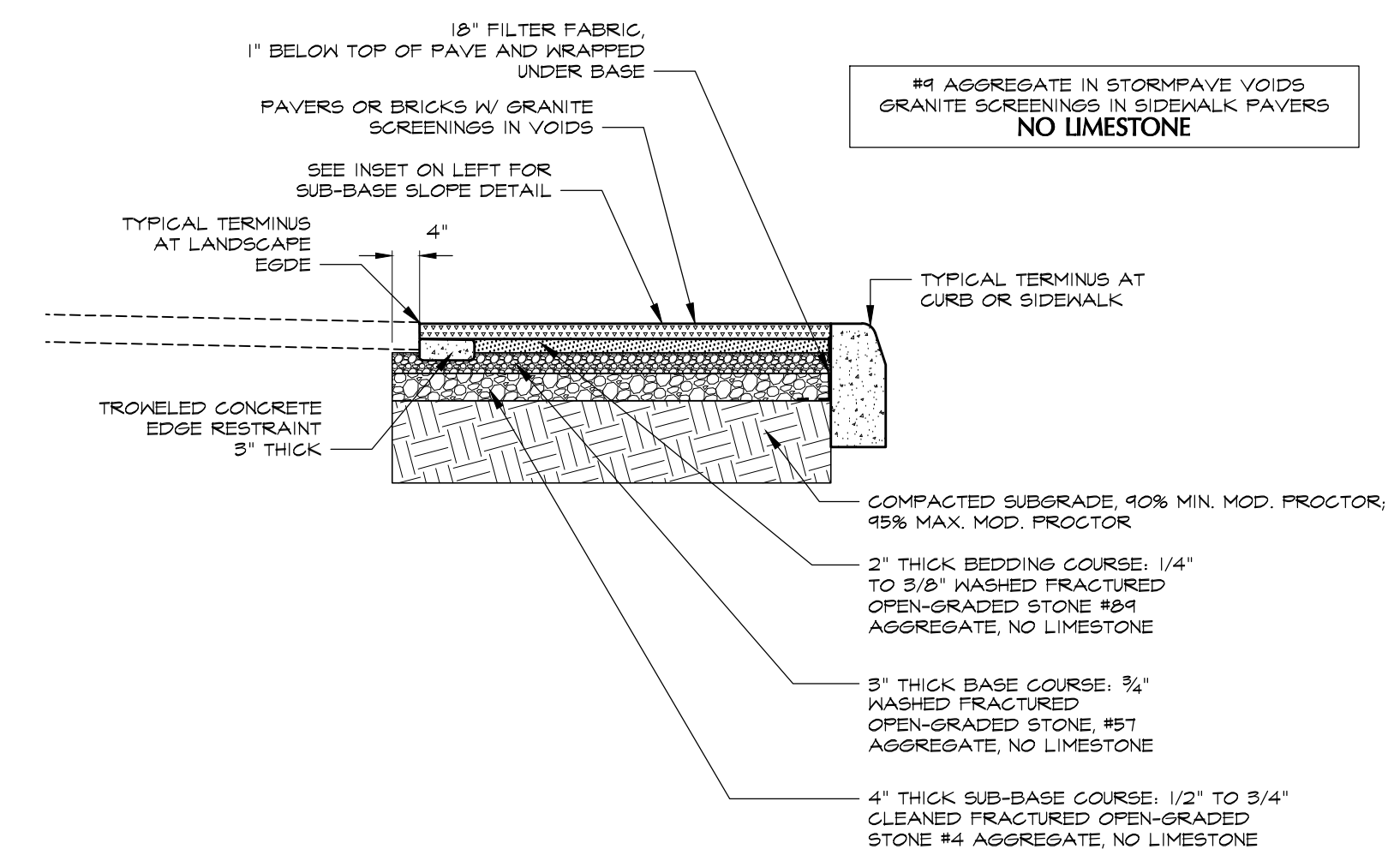
**X2** ENHANCED CROSSWALK SECTION  
H2.2 SCALE: 1/2" = 1' - 0"



**P4** PERVIOUS PARKING SECTION  
H2.2 SCALE: 1/2" = 1' - 0"



SUB-BASE SLOPE DETAIL



**P5** PERVIOUS PARKING SECTION  
H2.2 SCALE: 1/2" = 1' - 0"

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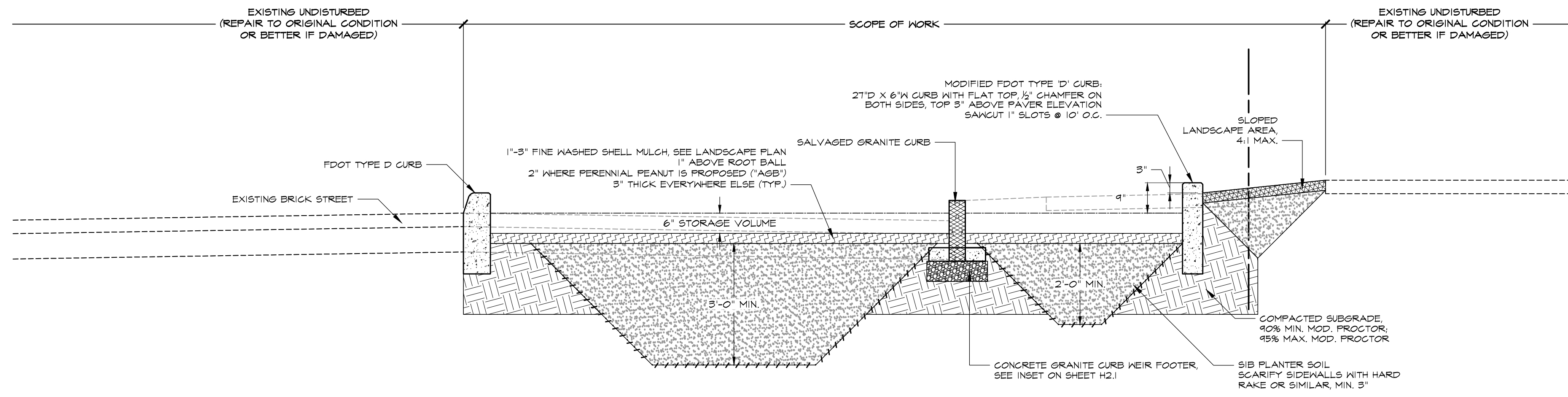
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Not Valid Unless Enclosed With Seal	
Issue Date	Job #
2016-01-22	C-1412
Rev.	Rev.
13/18	29/29
18/18	
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TAMPA	RPJ
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Sheet No.	
H2.2	
8 of 10	

2016-01-27 scott\_street\_hardscape\_details.rvt

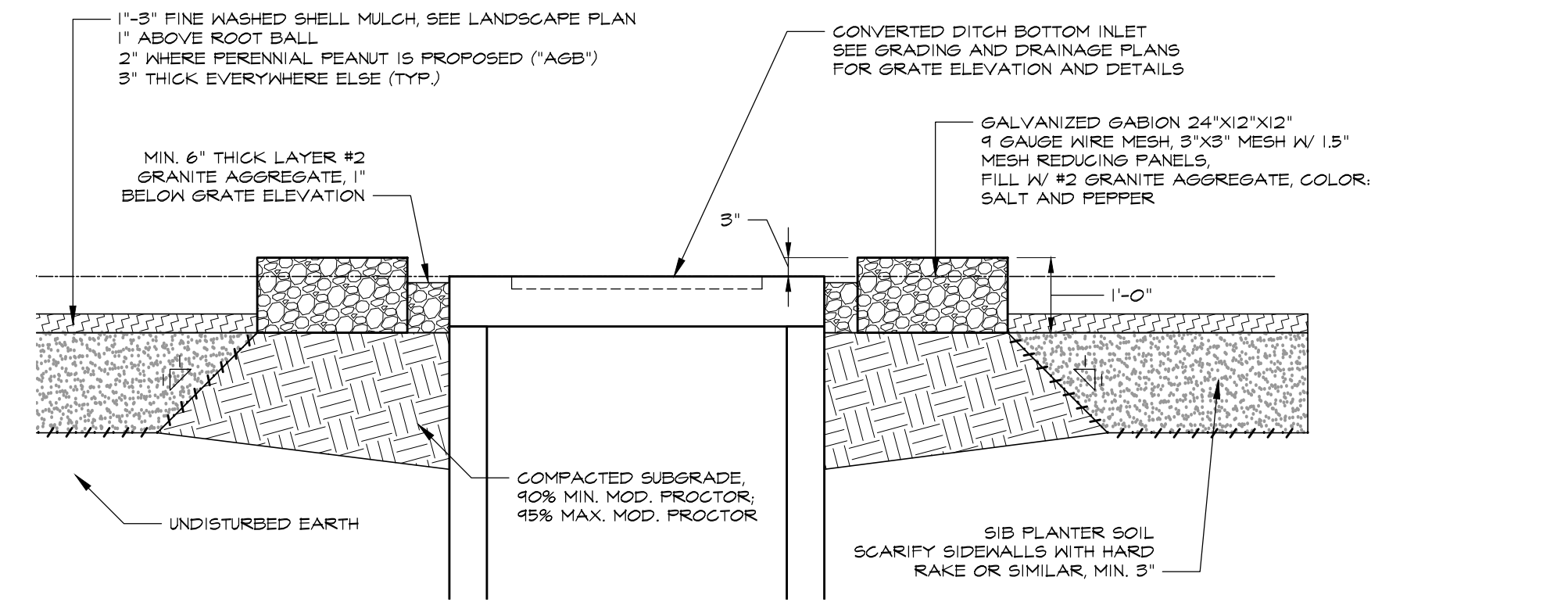


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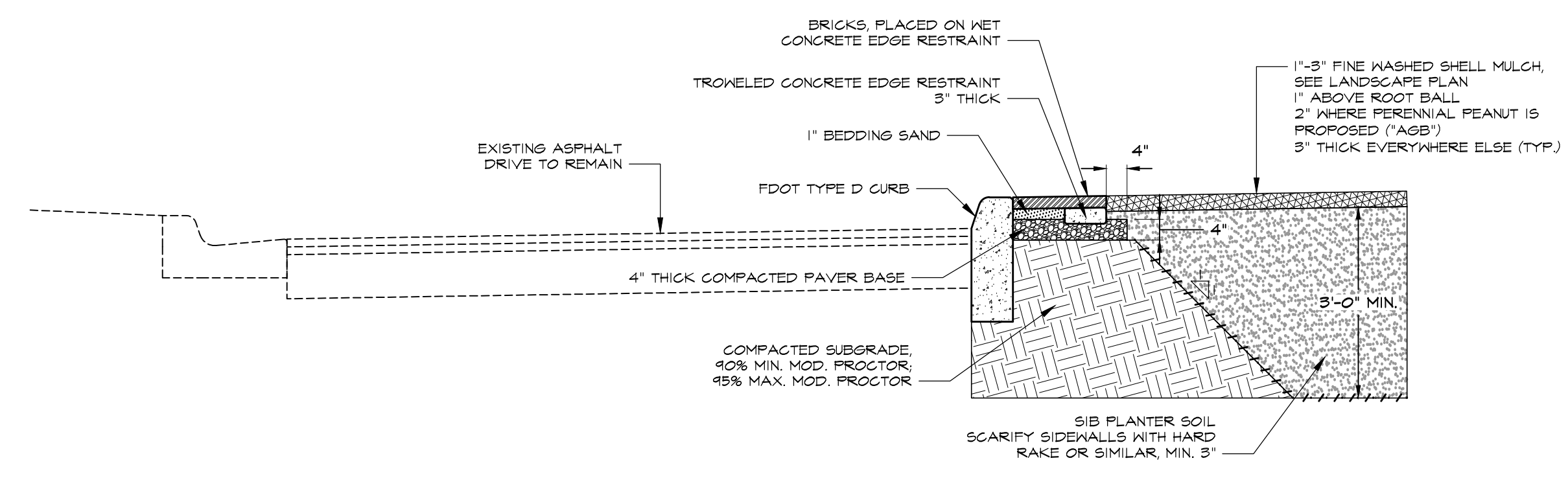
Revisions:		
No.	Issue	Date



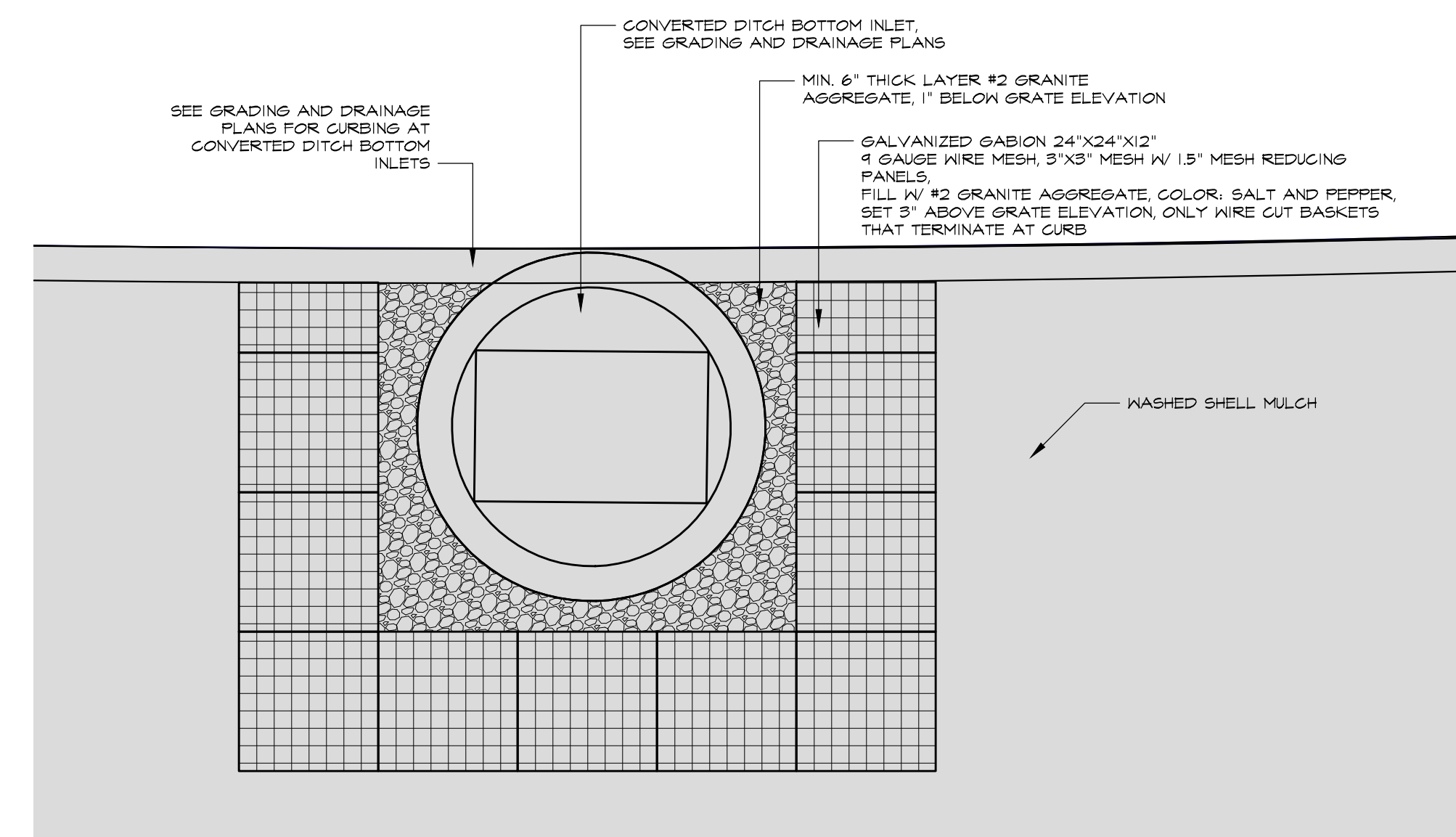
**P6** PERRY HARVEY GATEWAY SIB  
H2.3 SCALE: 1/2" = 1' - 0"



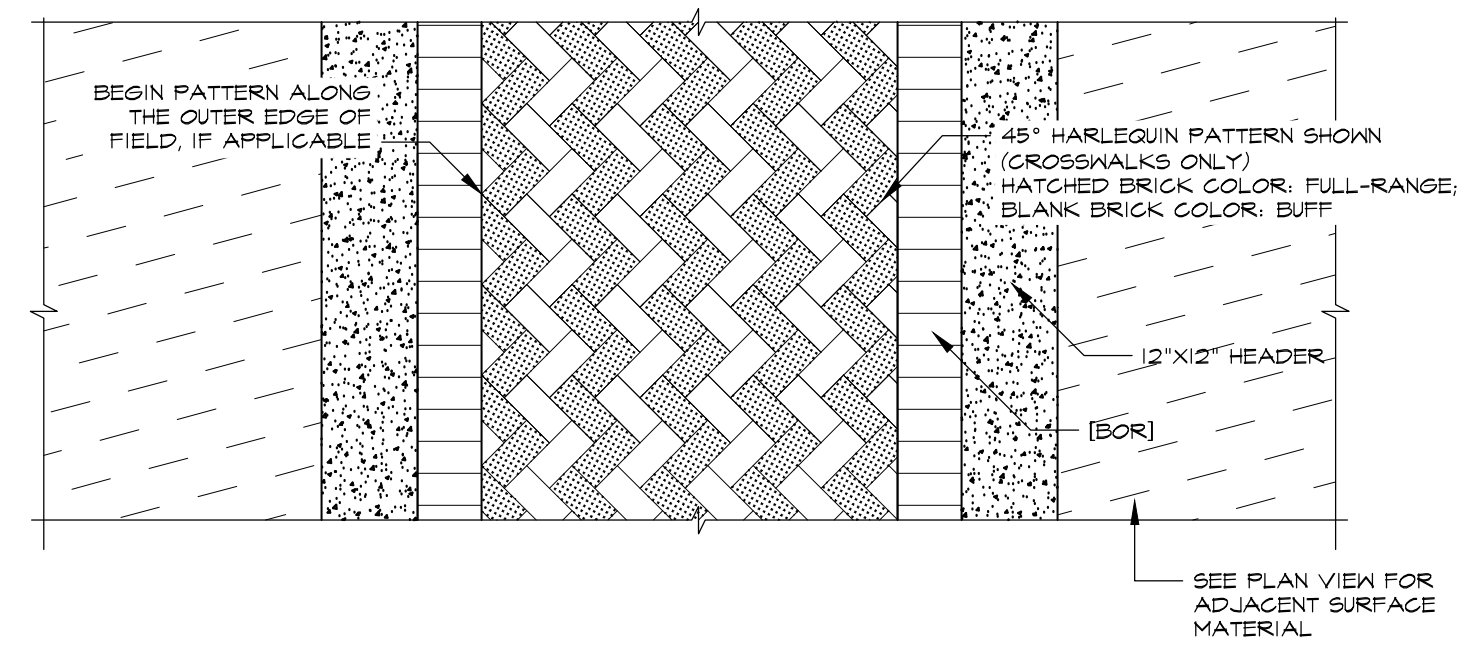
**G1** GABION SKIMMER AND GRATE  
H2.3 SCALE: 1/2" = 1' - 0"



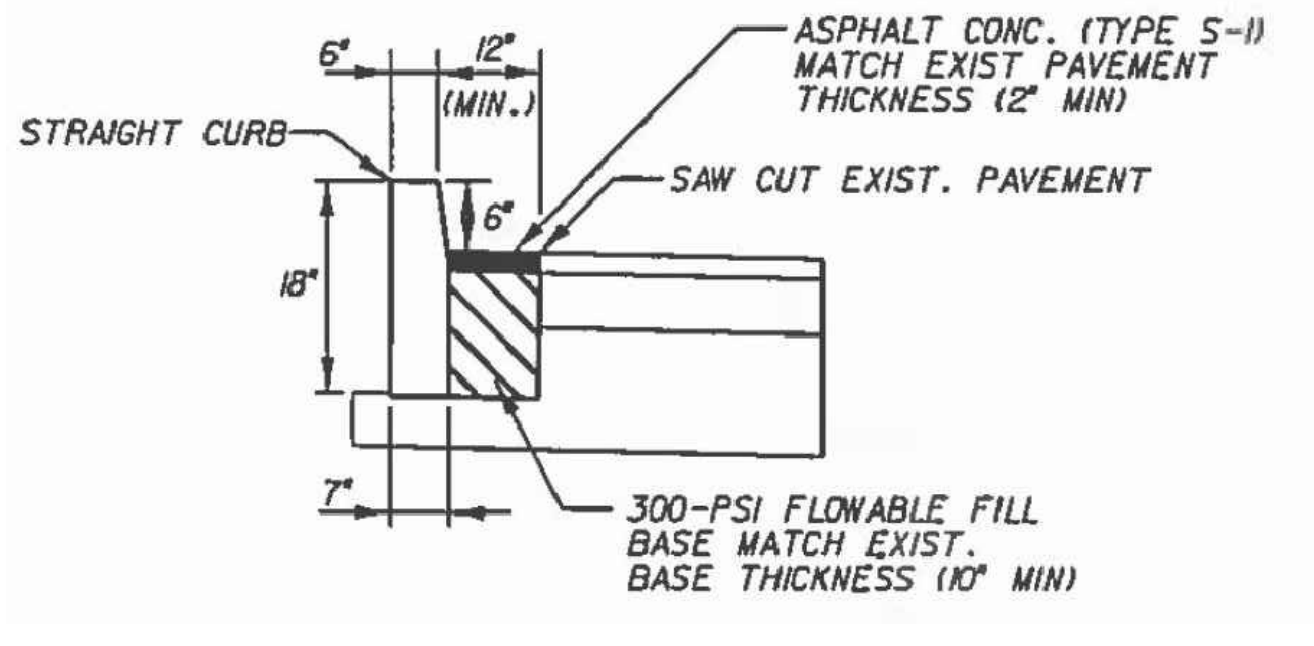
**P7** LANDSCAPED MEDIAN  
H2.3 SCALE: 1/2" = 1' - 0"



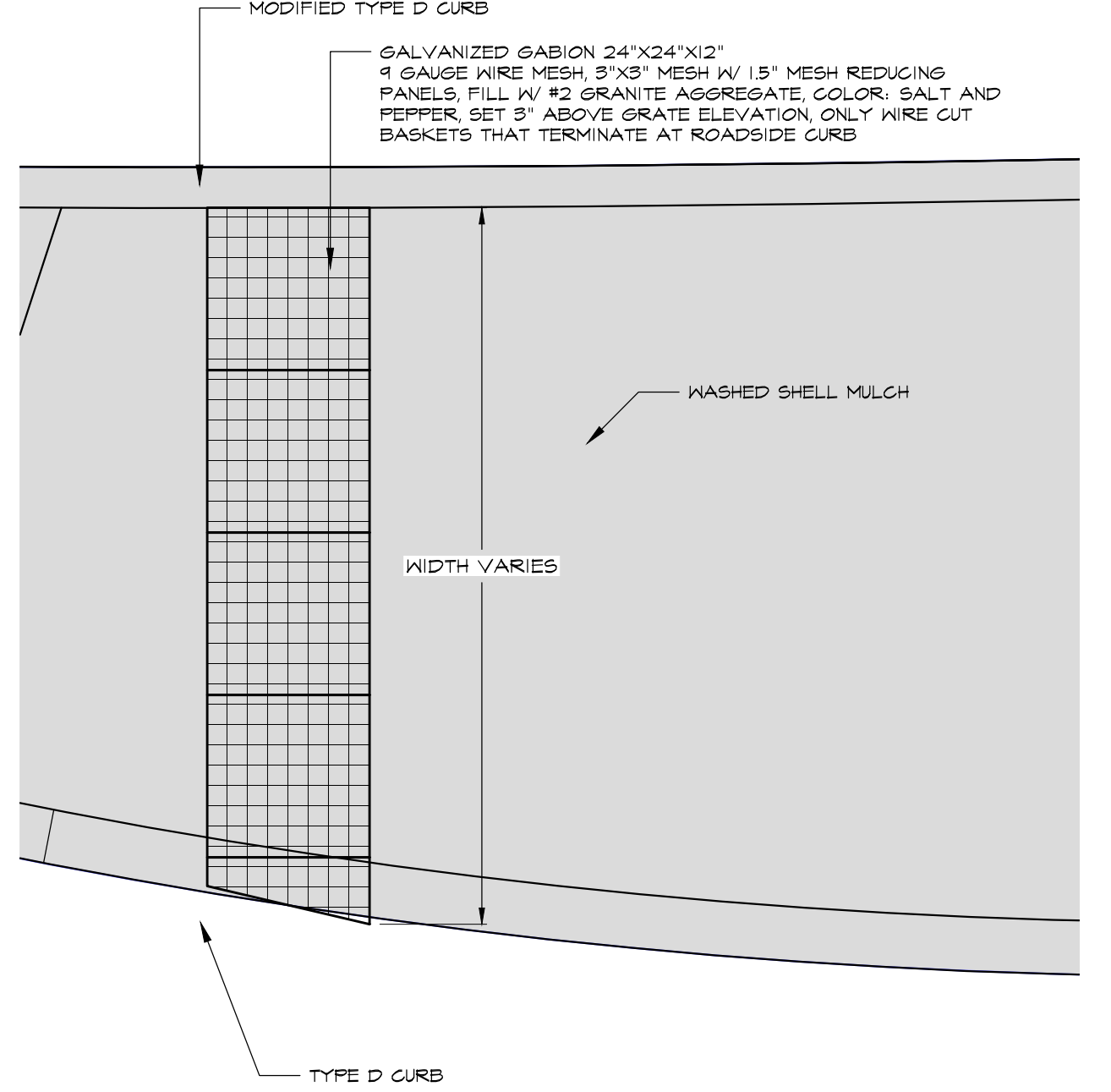
**G2** GABION BAND DETAIL  
H2.3 SCALE: 1/2" = 1' - 0"



**P8** HARLEQUIN HERRINGBONE EXAMPLE [HEE]  
H2.3 SCALE: 1/2" = 1' - 0"



**C1** ROADWAY REPLACEMENT DETAIL  
H2.3 SCALE: N.T.S.



**HARDSCAPE DETAILS (3)**  
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Issue Date	Job #
2016-01-22	C-1412
File	By
13/18	29/29
18/18	
Location:	Proj.
TAMPA	819
Designer:	Drawn:
RFV	RFV
Scale:	Checked:
ITL/GT	
Sheet No.	
<b>H2.3</b>	
9 of 10	

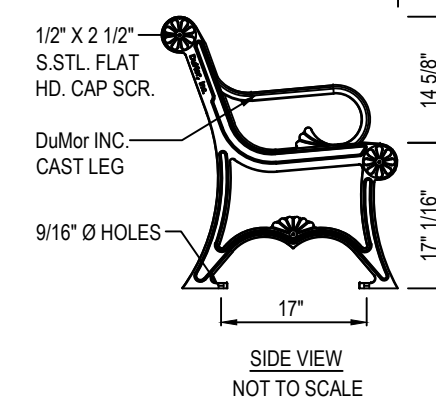
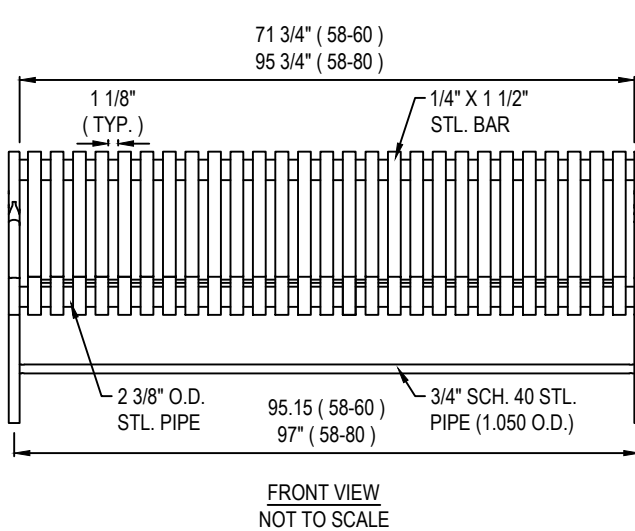
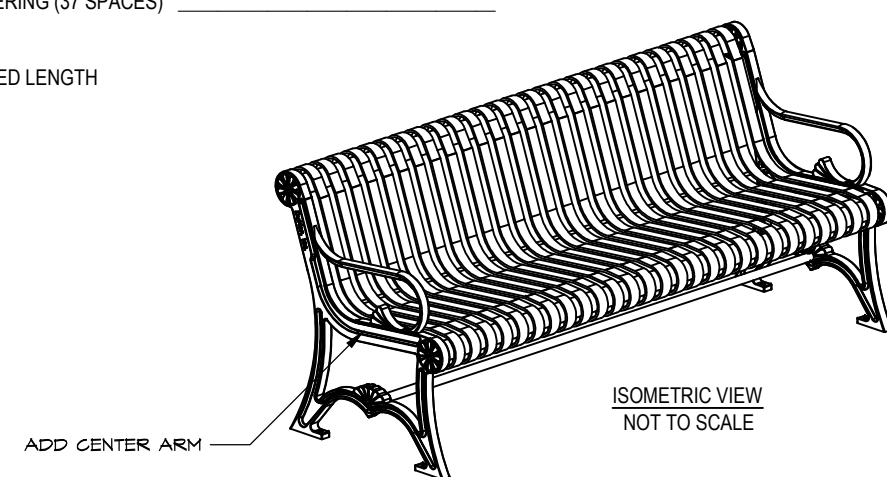
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- CUSTOM LETTERING (37 SPACES)
- SELECT DESIRED LENGTH
- 6' LENGTH
- 8' LENGTH



- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWINGS.
  - ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
  - 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
  - CUSTOM LETTERING AVAILABLE FOR RECESSED SIDE PANEL (37 TOTAL SPACES).
  - CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) REFERENCE NUMBER 017-302.

58 SERIES STEEL BENCH

017-302

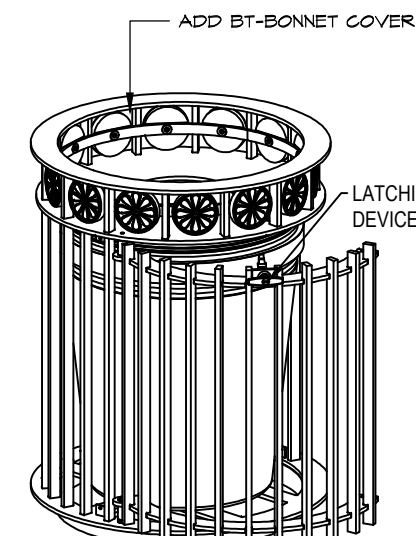
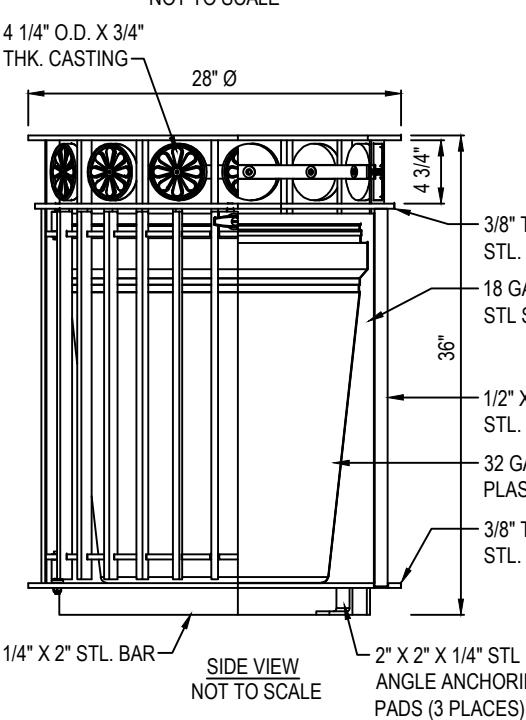
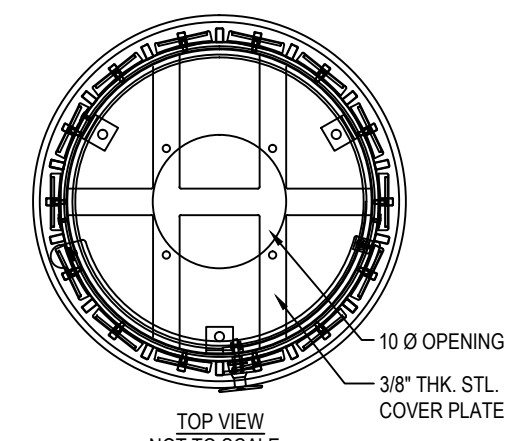
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  - DO NOT SCALE DRAWINGS.
  - ALL STL. MEMBERS COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.
  - RECEPTACLE FULLY ASSEMBLED AT FACTORY.
  - 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED.
  - SIDE OF RECEPTACLE HINGES OPEN FOR REMOVAL OF LINER.
  - LATCH PROVIDED W/ KEY. USE OF KEY OPTIONAL.
  - CONTRACTOR'S NOTE: FOR PRODUCT AND PURCHASING INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) REFERENCE NUMBER 017-340.

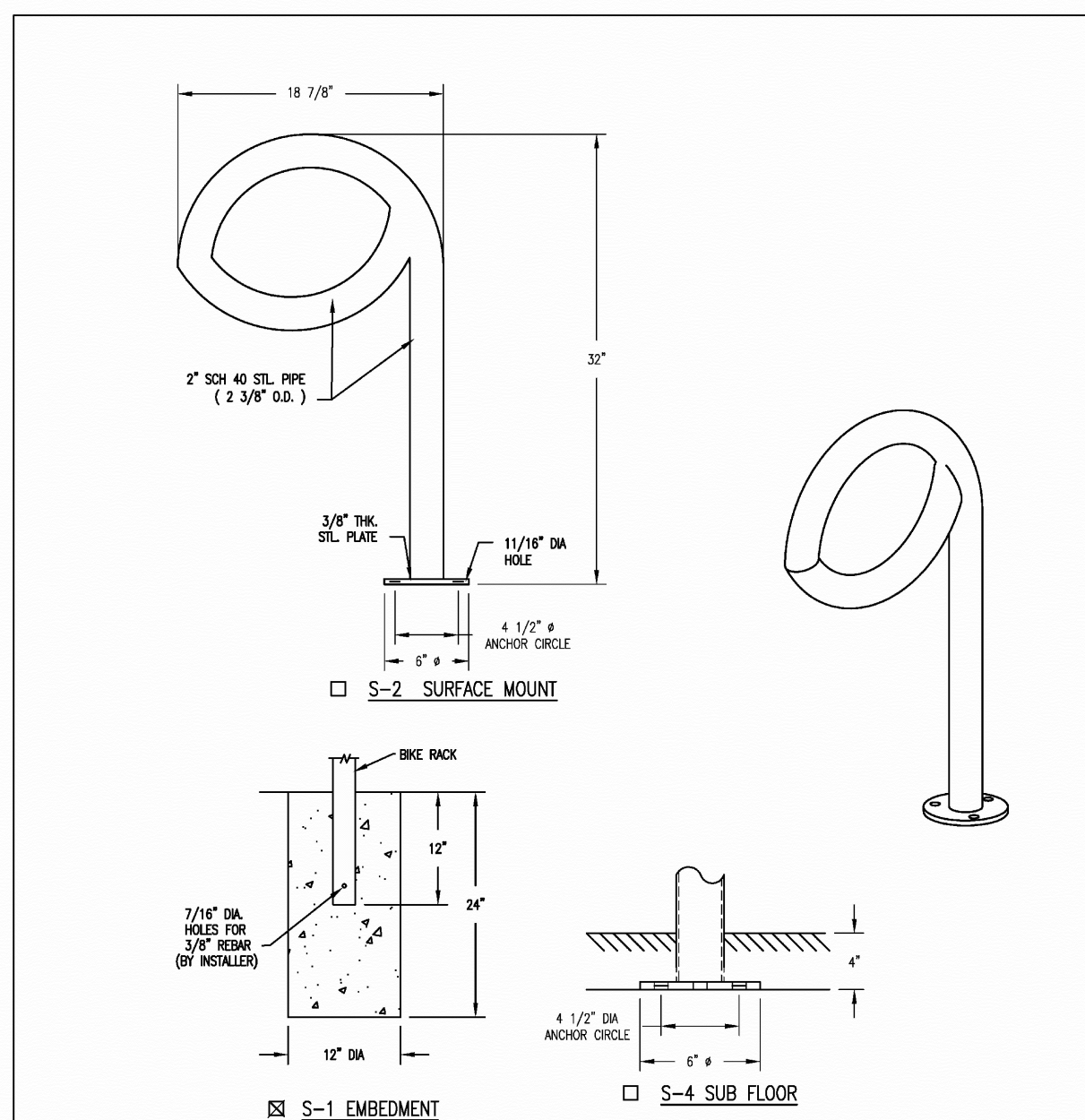
102-32-FTO INDOOR/OUTDOOR STEEL RECEPTACLE

017-340

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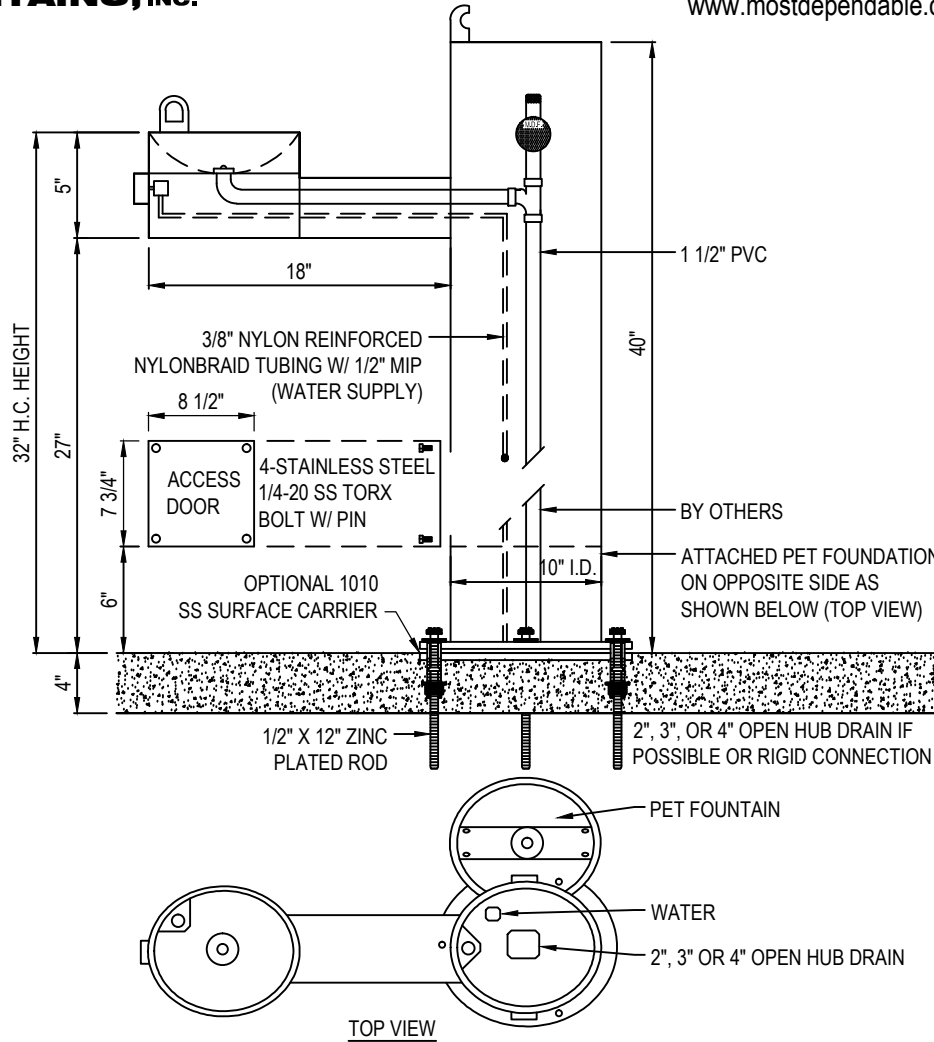
- FINISH OPTIONS
- GALV. FINISH
  - COATED W/ ZINC RICH EPOXY THEN FINISHED W/ POLYESTER POWDER COATING.

- NOTE:
- 1/2" X 3/4" EXPANSION ANCHOR BOLTS PROVIDED FOR OPTIONS S-2 & S-4.

<p>DU MOR, INC. P.O. Box 142 Mifflintown, PA 17059-0142</p>	SCALE: NONE	TITLE: BIKE RACK
	DATE DRAWN: 06/23/10	REV. DRAWING NUMBER
DESIGN BY: ESS	REV. B	199 SERIES
DATE REV: 10/18/12	REV. BY: ESS	SHEET 1 OF 2



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- NOTES:
- MEETS ADA REGULATIONS.
  - OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED.
  - SHOWN WITH OPTIONAL 10 STAINLESS STEEL SURFACE CARRIER, ATTACHED PET FOUNTAIN.
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWING.
  - THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
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MODEL 440 SM

3354-1.51

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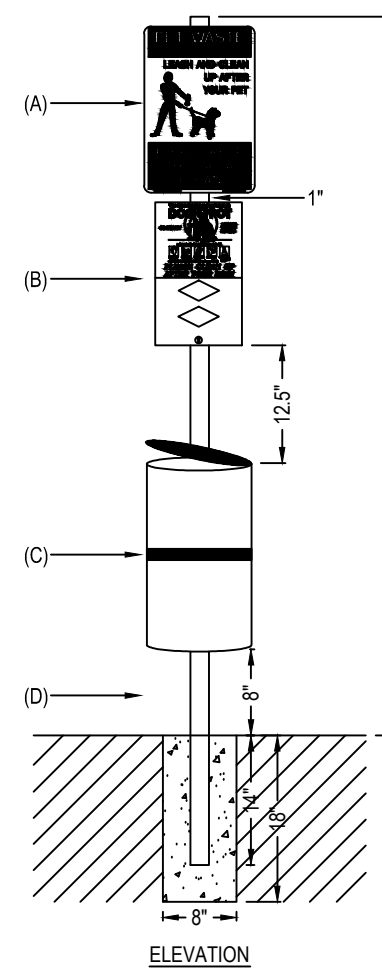
REVISION DATE 08/28/2014

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TOLL FREE: 1-800-364-7681  
PHONE: (407) 888-4627  
FAX: (407) 888-8526  
www.dogipot.com

- INCLUDES:
- ALUMINUM DOGIPOT PET SIGN, WITH MOUNTING HARDWARE
  - ALUMINUM DOGIPOT JUNIOR BAG DISPENSER (ITEM #1002-2), WITH MOUNTING HARDWARE
  - TWO KEYS FOR DISPENSER LOCKING FRONT ACCESS PANEL
  - TWO ROLLS OF DOGIPOT LITTER PICK UP BAGS (ITEM #1402), INSTALLED IN DOGIPOT JUNIOR BAG DISPENSER
  - 10 GALLON ALUMINUM TRASH RECEPTACLE (ITEM #1206A-L) WITH ATTACHED HINGED LID AND TRASH LINER BAG RETAINER BANDS, WITH MOUNTING HARDWARE
  - ONE DOGIPOT LINER TRASH BAGS (ITEM #1404)
  - 2" X 2" X 4" GALVANIZED STEEL TELESCOPIC MOUNTING POST, WITH INSTALLATION HARDWARE
  - (A) DOGIPOT PET SIGN (ITEM #1203 / 1204):
    - H: 18" X W: 11.5"
    - 14 GAUGE REFLECTIVE ALUMINUM
    - WEIGHT: 1.35 LBS
    - FOREST GREEN OR WHITE
  - (B) DOGIPOT JUNIOR BAG DISPENSER (ITEM #1002-2):
    - H: 15.5" X W: 9.4" X D: 3.25"
    - 12 GAUGE POWDER COATED FOREST GREEN ALUMINUM
    - WEIGHT: 7 LBS
    - 400 BAG CAPACITY
    - TWO DIAMOND BAG DISPENSER SLOTS
    - FRONT LOCKING ACCESS PANEL
    - CLEARLY POSTED INSTRUCTIONS
  - (C) TRASH RECEPTACLE WITH LID (ITEM #1206A-L):
    - H: 23" X W: 11.5" DIAMETER
    - 11 GAUGE POWDER COATED FOREST GREEN ALUMINUM
    - WEIGHT: 9 LBS
    - 10 GALLON CAPACITY WITH INTERIOR TRASH LINER BAG RETAINER BANDS
    - ATTACHED ALUMINUM HINGED LID
    - ONE BOX 50 GOUNT DOGIPOT LINER TRASH BAGS (ITEM #1404)
  - (D) TELESCOPIC GALVANIZED STEEL MOUNTING POST (ITEM #1301-PL):
    - 2" X 2" X 4"
    - 11 GAUGE GALVANIZED STEEL
    - WEIGHT: 15 LBS
    - HOLE:
      - D: 18" X W: 8"
      - FILL WITH 40 LBS. "READY TO USE" CEMENT



- NOTES:
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWING.
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PET STATIONS

2635-004

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### Surround Style Planting with Deeproot Universal Barriers

When selecting the Surround style planting application you will have the greatest success by following these simple steps as illustrated below:

- Prepare the initial planting hole as illustrated below. This is based upon the combination of desired barrier diameter and depth. Consider if drainage devices or amendments to the soil are needed to correct any adverse soil or planting conditions in the backfill area.
- Assemble the appropriate number of DeepRoot Universal Barrier panels. The vertical root deflecting ribs on the panel must face inward, toward the root ball. (This is very important, otherwise the roots will become girdled by traveling around the smooth walled surface).
- Next place the barrier in the center of the planting hole, keeping in mind that the double top edge of the barrier should be positioned approximately 1/2" (13mm) above grade. This helps retard potential root overgrowth. Failing to position the top edge above grade can allow root overgrowth which can lead to uprooted hardscapes.
- Backfill and compact with soil inside the barrier to the level where the bottom of the root ball will be when positioned correctly with the crown of the root ball approximately 1" (25mm) above grade.
- Remove the tree from its container, or cut away the top portion of burlap and position in the center of the barrier. Complete the backfill of the soil. Distribute evenly to maintain the shape of the barrier and compact the backfill every 4"-6" (10cm-15cm). Roots will die quickly if left exposed to the elements so keep exposure of the roots to a minimum.

F. If staking or guying is required we recommend using the soft, safe and economical alternative to traditional wire and hose, ArborTie (see [www.deepproot.com](http://www.deepproot.com) for details)

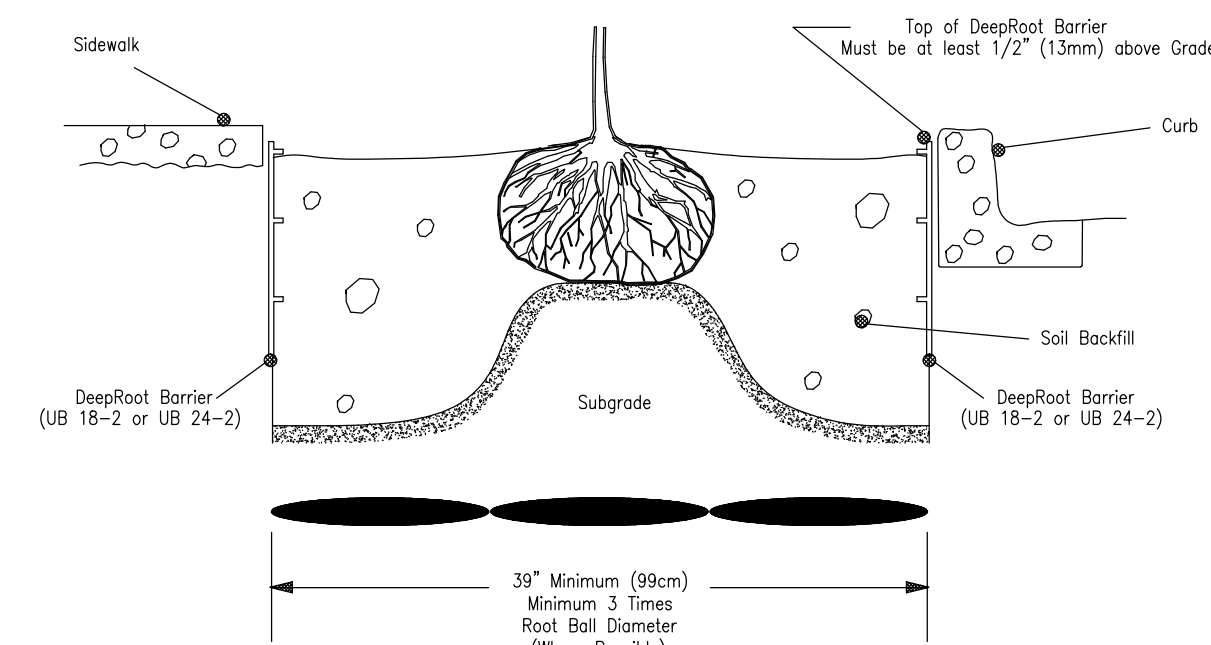
G. If the tree(s) will be subject to maintenance work such as lawn mowing or weed trimming we strongly recommend the installation of ArborGard+ Tree Trunk Protectors which are placed around the base of young trees to protect them from damage by weed trimmers, lawn mowers and small rodents. (See [www.deepproot.com](http://www.deepproot.com))

H. Water and follow proper tree maintenance practices. Trees do require care and nurturing after planting. Consult with your local supplier for proper care procedures for the species you are planting. The planting instructions given here are by no means a comprehensive guide. Rather they are general guidelines to planting with DeepRoot Barriers and a survey of current planting methods. Conditions will vary however and it is recommended that an arborist be consulted before planting.

For additional information please visit our website at [www.deepproot.com](http://www.deepproot.com)

For information regarding distributors please call: 1 800 ILV ROOT (458.7668). For help with drainage or other difficult installation questions please call DeepRoot Technical Support at: 1 800 ROOT TEK (766.8835).

A Typical Surround Planting Installation Using DeepRoot Universal Barrier



Revisions:	No.	Issue	Date

HARDSCAPE DETAILS (4)  
**SCOTT STREET L.I.D. STREETScape**  
TAMPA, FLORIDA  
PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT



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Issue Date: 2016-01-22	Job #: C-1412
File: 13/18	Rev: 29/29
Location: TAMPA	Proj: 18/18
Designer: RFP	Drawn: RFP
Scale: ITL/GT	Checked: ITL/GT
Sheet No.	
<b>H2.4</b>	
10 of 10	

### PLANT LIST

QUANTITY	KEY	Botanical Name	Common Name	HEIGHT	SPREAD	CALIPER	DBH	ROOT	SPACING	REMARKS
<b>TREES</b>										
2	AR	<i>Acer rubrum</i>	Red Maple	10'	3'	1.5"		#45	As shown	
3	BN	<i>Bismarckia nobilis</i>	Bismark Palm	10' CT	20'			B&B	As shown	1 MATCHED PAIR
20	IC	<i>Ilex cassine</i>	Dahoon holly	6'-8'	36"	2"		#30	As shown	
2	IVP	<i>Ilex vomitoria</i> 'Pendula'	Weeping Yaupon Holly	8'-10'	3'-4'	multi-stem		#45	As shown	SPECIMEN
30	LIC	<i>Lagerstroemia indica</i> 'Catawba'	Catawba Crape Myrtle	10'-13'	5'	3"	2"	B&B	As shown	STD, Roots Plus Growers
40	LIN	<i>Lagerstroemia indica</i> 'Natchez'	Natchez Crape Myrtle	10'-13'	5'	3"	2"	B&B	As shown	STD, Roots Plus Growers
4	QV	<i>Quercus virginiana</i>	Live Oak	14'	6.5'	4"	3"	B&B	As shown	Roots Plus Growers
20	SP	<i>Sabal palmetto</i>	Cabbage Palm	12'-22' CT	n/a			B&B	As shown	regenerated head, mixed height groupings
1	TD	<i>Taxodium distichum</i>	Bald cypress	12'-14'	2'-3'	2"-2.5"		#45	As shown	SPECIMEN
<b>SHRUBS</b>										
83	MCA	<i>Muhlenbergia capillaris</i>	Muhly grass	24"	24"			#3	3' O.C.	
191	NB	<i>Nephrolepis biserrata</i>	Macho Fern	24"	24"			#3	3' O.C.	N. cordifolia/multiflora are not acceptable substitutes
105	SB	<i>Spartina bakeri</i>	Sand Cord Grass	24"	12"			#3	3' O.C.	
33	SR	<i>Serenoa repens</i>	Saw Palmetto	18"	18"			#3	5' O.C.	50/50 mix green and silver
169	TF	<i>Tripsicum floridanum</i>	Dwarf gama grass	18"	12"			#3	3' O.C.	
185	ZF	<i>Zamia floridana</i>	Coontie	20"	24"			#7	3' O.C.	
<b>GROUNDCOVERS</b>										
2097	AGB	<i>Arachis glabrata</i> Benth	Peanut grass	6"	12"			#1	18" O.C.	
231	EH	<i>Equisetum hyemale</i>	Horsetail	8"	6"			#1	18" O.C.	
136	HD	<i>Helianthus debilis</i>	Dune Sunflower	12"	6"			#1	3' O.C.	plan shows 106, +30 to be set by landscape architect
4496	TA	<i>Trachelospermum asiaticum</i> 'Minima'	Ground Jasmine	6"	18"			#1	18" O.C.	

### 90 DAY MAINTENANCE PERIOD - TECHNICAL MAINTENANCE PLAN

OPERATION	MAINTENANCE REQUIREMENTS
WATERING	SEE 180 DAY TRUCK WATERING SCHEDULE - REFILL AT 601 E DAVIS BOULEVARD
WEEDING/LITTER PICKUP	CONTRACTOR SHALL WEED AND PICK UP LITTER IN ALL PLANTING BEDS ONCE IN EACH FOUR WEEK PERIOD BEFORE THE END OF THE 90 DAY MAINTENANCE PERIOD
PRUNING	AS NEEDED TO MECHANICALLY REMOVE DAMAGED BRANCHES TO MAINTAIN FLORIDA GRADE #1 FORM. CONTRACTOR SHALL PRUNE IN ACCORDANCE WITH ANSI A300 STANDARDS
MOWING	EVERY 14 DAYS LEAVING 2" IN HEIGHT
EDGING	EVERY 14 DAYS DURING THE 90 DAY MAINTENANCE PERIOD
MULCHING	MULCH SHALL BE APPLIED IMMEDIATELY AFTER PLANTING OF TREES, SHRUBS, AND GROUNDCOVERS. SEE LANDSCAPE NOTES FOR MULCH TYPES/DEPTHS TO BE USED

### 180 DAY TRUCK WATERING SCHEDULE

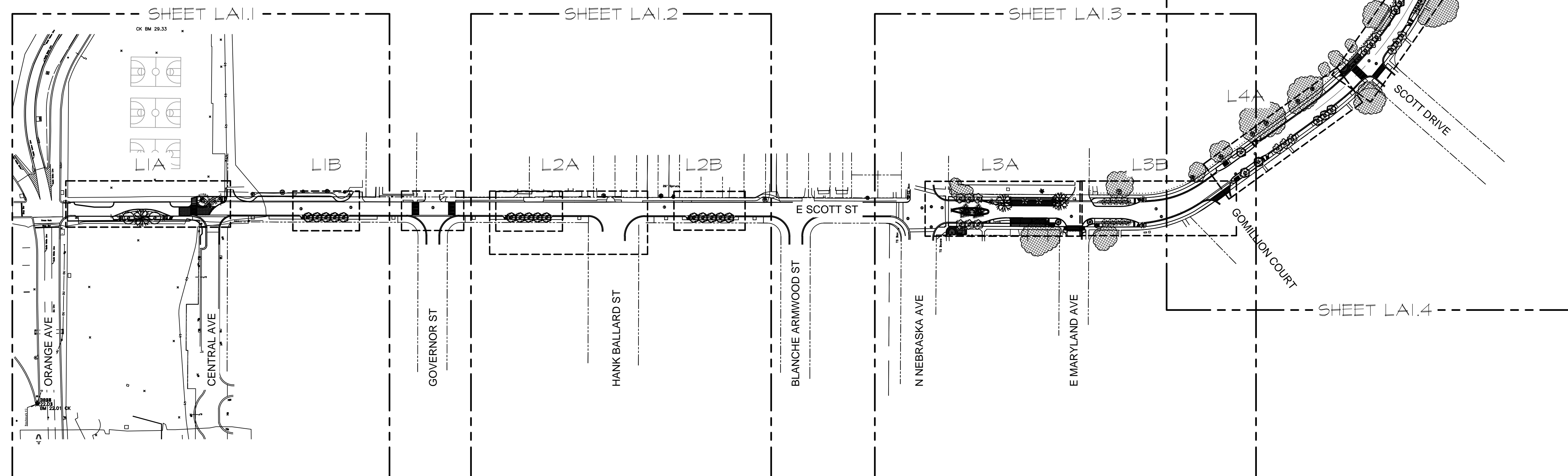
CONTAINER SIZE	GALLONS PER WATERING	1ST 4 WEEKS	WEEKS 5-8	WEEKS 9-13	WEEKS 14-26	TOTAL WATERINGS
#1	2	3 waterings per week (12)	2 waterings per week (8)	1 watering per week (5)	1 watering per week (13)	38 (26 minimum)
#3	5					
#15	10					
#30	20					
#45	25					
b&b	25					

1. IF IN THE COURSE OF THE 13 WEEK WATERING PERIOD, SUFFICIENT NATURAL RAINFALL OCCURS OR IT IS DETERMINED BY THE PROJECT MANAGER THAT THE PLANTS OTHERWISE DO NOT NEED WATERING, THE PROJECT MANAGER RESERVES THE RIGHT TO SUSPEND AND/OR DISCONTINUE THE WATERING SCHEDULE AT ANY POINT. PAYMENT WILL BE BASED ON ACTUAL QUANTITY OF PLANTS WATERED AND NUMBER OF TIMES THEY ARE WATERED. CONTRACTOR SHALL KEEP A LOG OF ALL WATERINGS AND SHALL TURN OVER THE LOG TO THE PROJECT MANAGER WITHIN 7 DAYS OF THE LAST SCHEDULED WATERING.

2. CONTRACTOR SHALL PROVIDE SCHEDULE, QUALITY ASSURANCE AND SHALL COMPLY WITH ALL FLORIDA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR SUPPLEMENTAL WATERING.

### IMPORTANT PLANTING NOTES:

- DO NOT PLANT ON ROOTBALL OF NEW TREES.
- DO NOT PLANT WITHIN 10' OF THE TRUNK OF A PROTECTED TREE.



**LI** LANDSCAPE INDEX PLAN  
L1.0 SCALE: 1" = 100' - 0"

CONTRACTOR RESPONSIBLE TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY PRIOR TO CONSTRUCTION. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY EXISTING FIELD CONDITIONS.

Revisions:	No.	Issue	Date

LANDSCAPE PLAN INDEX  
**SCOTT STREET L.I.D. STREETSCAPE**  
TAMPA, FLORIDA  
PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

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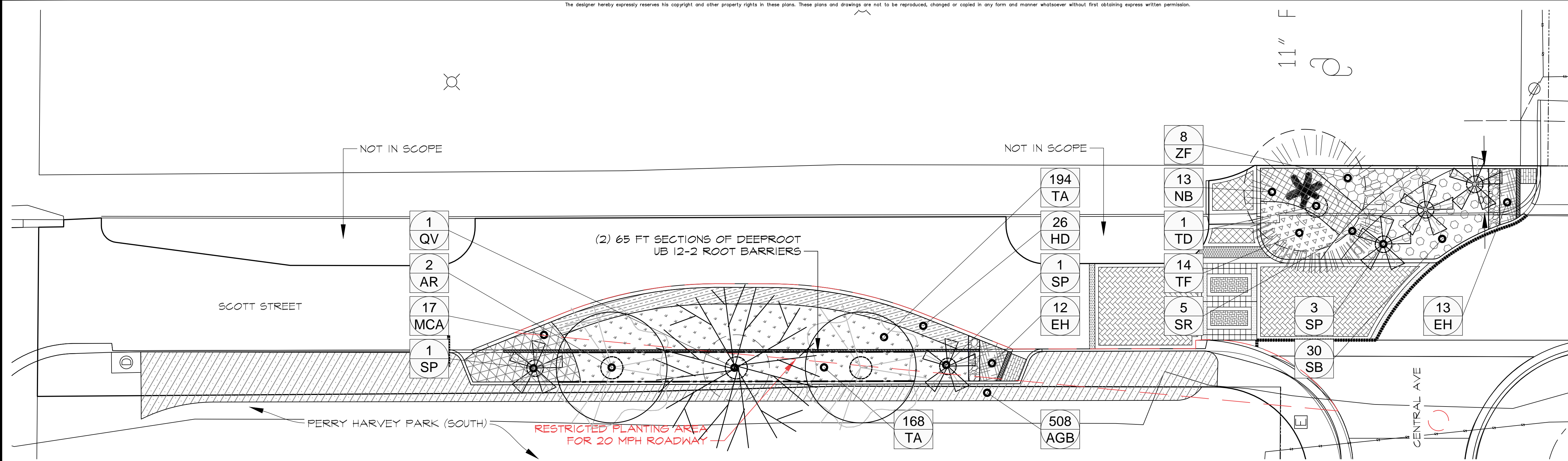
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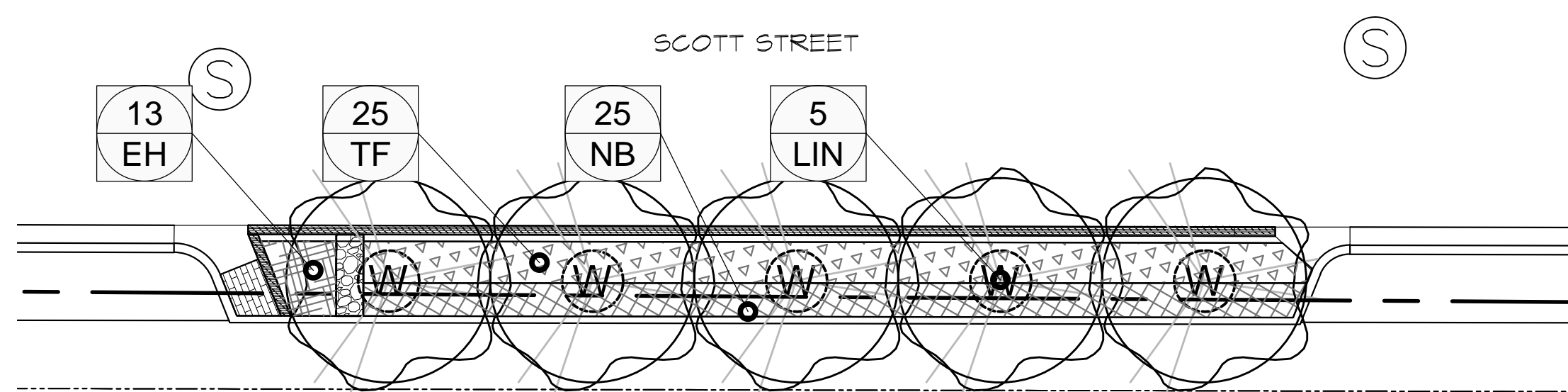
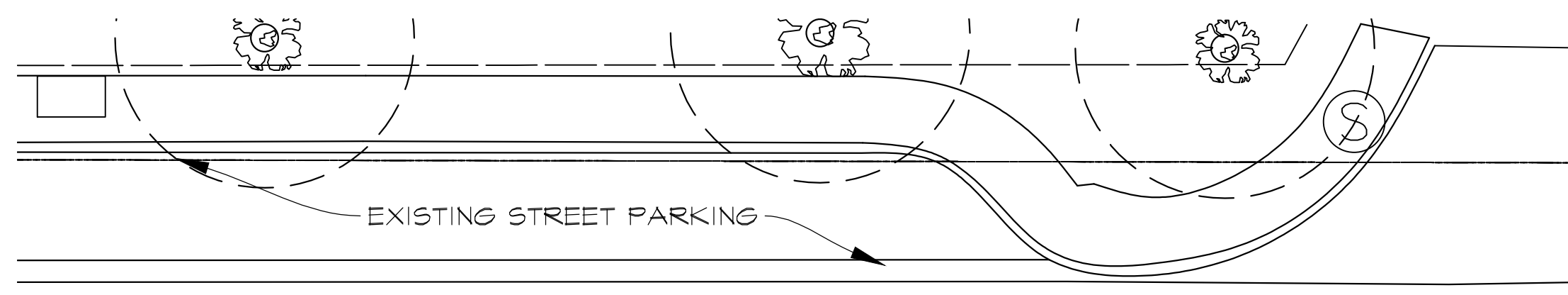
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Rev: 13/18 Date: 29/29 Rev: 18/18  
Location: TAMPA  
Designer: RFP Drawn: RFP  
Scale: 1/16" = 1' / 1/8" = 1'

Sheet No. **L1.0**  
1 of 9

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**L1A PERRY HARVEY PARK GATEWAY**  
L1.1 SCALE: 1" = 10' - 0"



**L2A ENCORE LOT 2 BASIN**  
L1.1 SCALE: 1" = 10' - 0"

LANDSCAPE LEGEND	
	Acer rubrum Red Maple
	Bismarckia nobilis Bismark Palm
	Ilex cassine Dahoon holly
	Ilex vomitoria 'Pendula' Weeping Yaupon Holly
	Lagerstroemia indica 'Catawba' Catawba Crape Myrtle
	Lagerstroemia indica 'Natchez' Natchez Crape Myrtle
	Quercus virginiana Live Oak
	Sabal palmetto Cabbage Palm
	Taxodium distichum Bald cypress
	Muhlenbergia capillaris Muhly grass
	Nephrolepis biserrata Macho Fern
	Spartina bakeri Sand Cord Grass
	Serenoa repens Saw Palmetto
	Tripsicum floridanum Dwarf gama grass
	Zamia floridana Coontie
	Arachis glabrata Benth Peanut grass
	Equisetum hyemale Horsetail
	Trachelospermum asiaticum 'minima' Ground Jasmine
	Helianthus debilis Dune Sunflower

Revisions:		
No.	Issue	Date

LANDSCAPE PLAN - WEST (1)  
**SCOTT STREET L.I.D. STREETSCAPE**  
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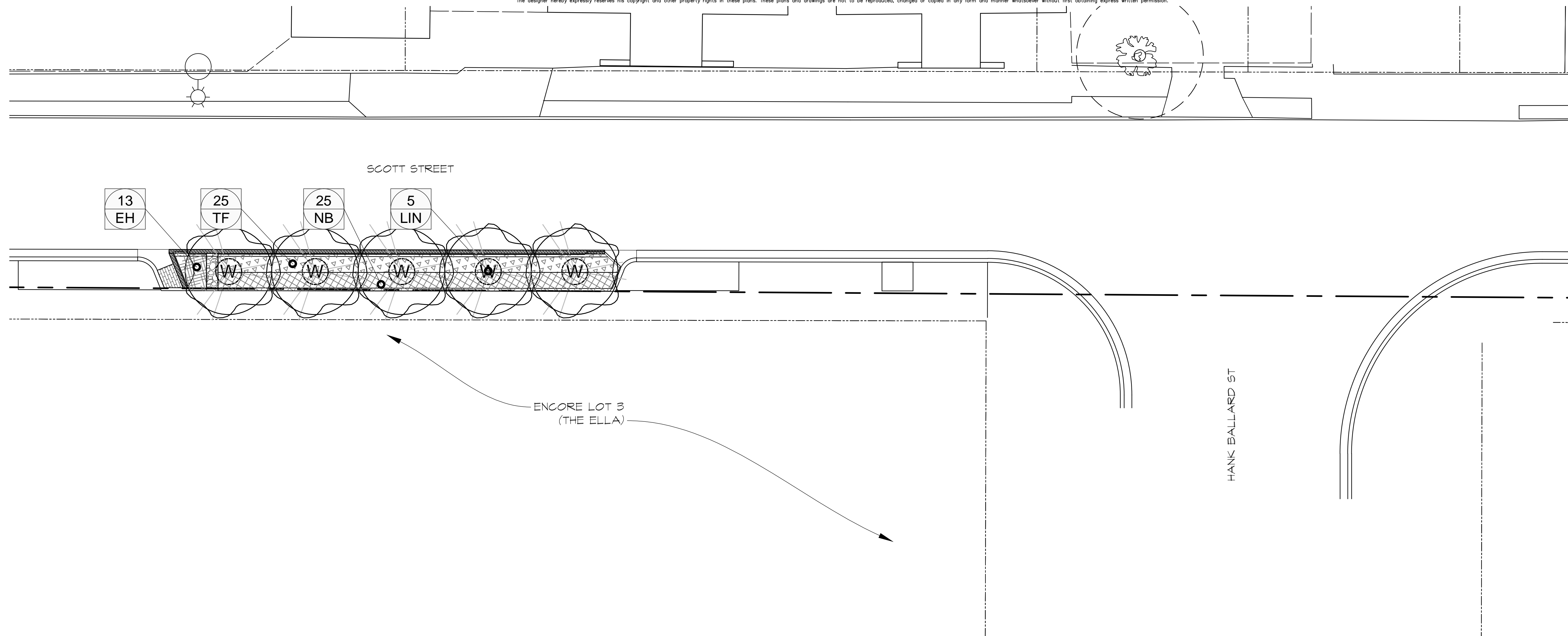
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Issue Set	Job #
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18/18	18/18

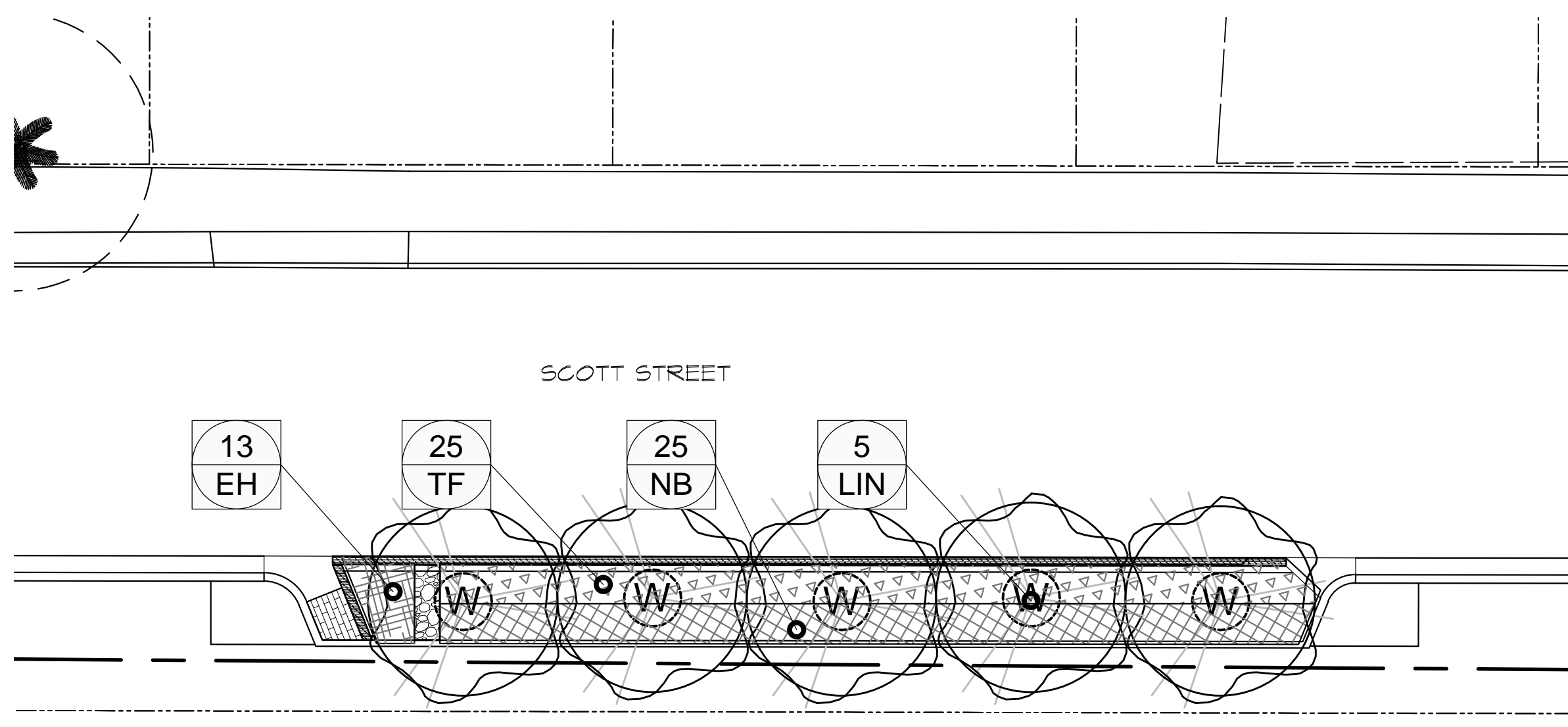
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Scale: 1/4" = 1' / 1/8" = 1'

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**L1.1**  
2 of 9

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**L2A THE ELLA AT HANK BALLARD ST**  
L1.2 SCALE: 1" = 10' - 0"



**L2B THE REED BASIN**  
L1.2 SCALE: 1" = 10' - 0"

**LANDSCAPE LEGEND**

	AR	Acer rubrum Red Maple
	BN	Bismarckia nobilis Bismark Palm
	IC	Ilex cassine Dahoon holly
	IVP	Ilex vomitoria 'Pendula' Weeping Yaupon Holly
	LIC	Lagerstroemia indica 'Catawba' Catawba Crape Myrtle
	LIN	Lagerstroemia indica 'Natchez' Natchez Crape Myrtle
	QV	Quercus virginiana Live Oak
	SP	Sabal palmetto Cabbage Palm
	TD	Taxodium distichum Bald cypress
	MCA	Muhlenbergia capillaris Muhly grass
	NB	Nephrolepis biserrata Macho Fern
	SB	Spartina bakeri Sand Cord Grass
	SR	Serenoa repens Saw Palmetto
	TF	Tripsicum floridanum Dwarf gama grass
	ZF	Zamia floridana Coontie
	AGB	Arachis glabrata Berth Peanut grass
	EH	Equisetum hyemale Horsetail
	TA	Trachelospermum asiaticum 'minima' Ground Jasmine
	HD	Helianthus debilis Dune Sunflower

Revisions:

No.	Issue	Date

LANDSCAPE PLAN - WEST (2)  
**SCOTT STREET L.I.D. STREETSCAPE**  
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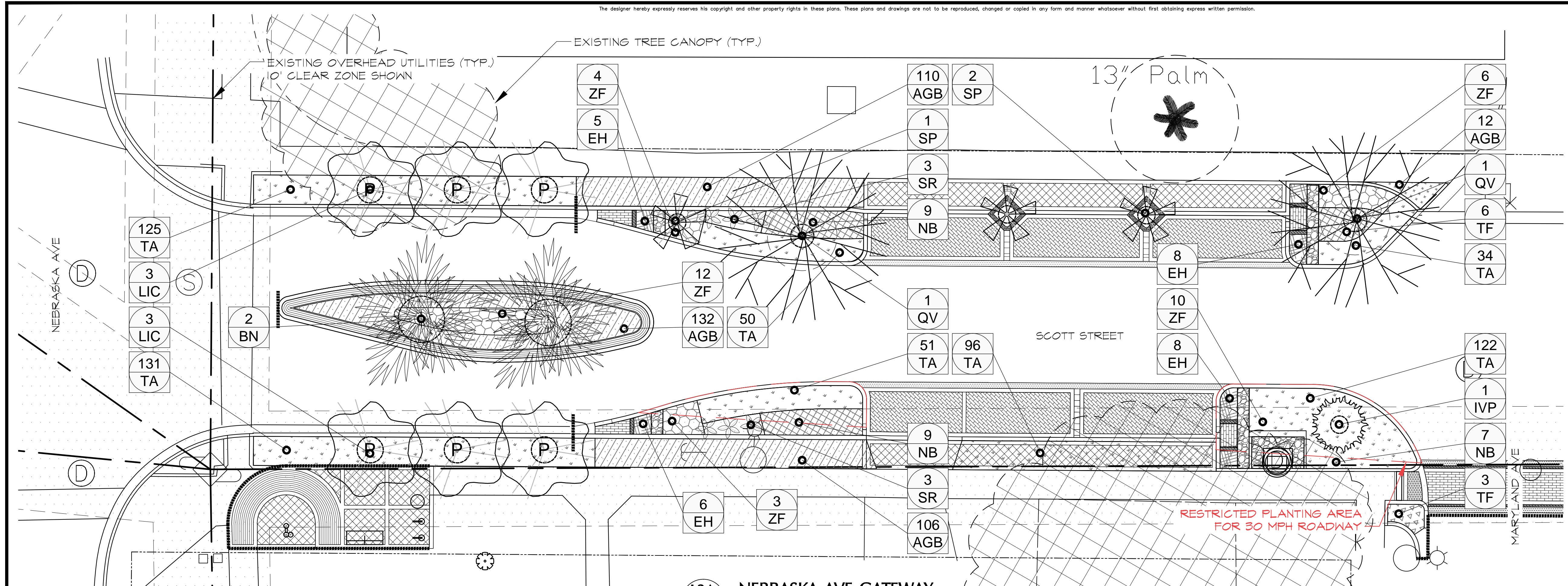
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13/18	29/29 18/18
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RFI	RFI
Scale	Checked
	TTL/GT

Sheet No.  
**L1.2**  
3 of 9

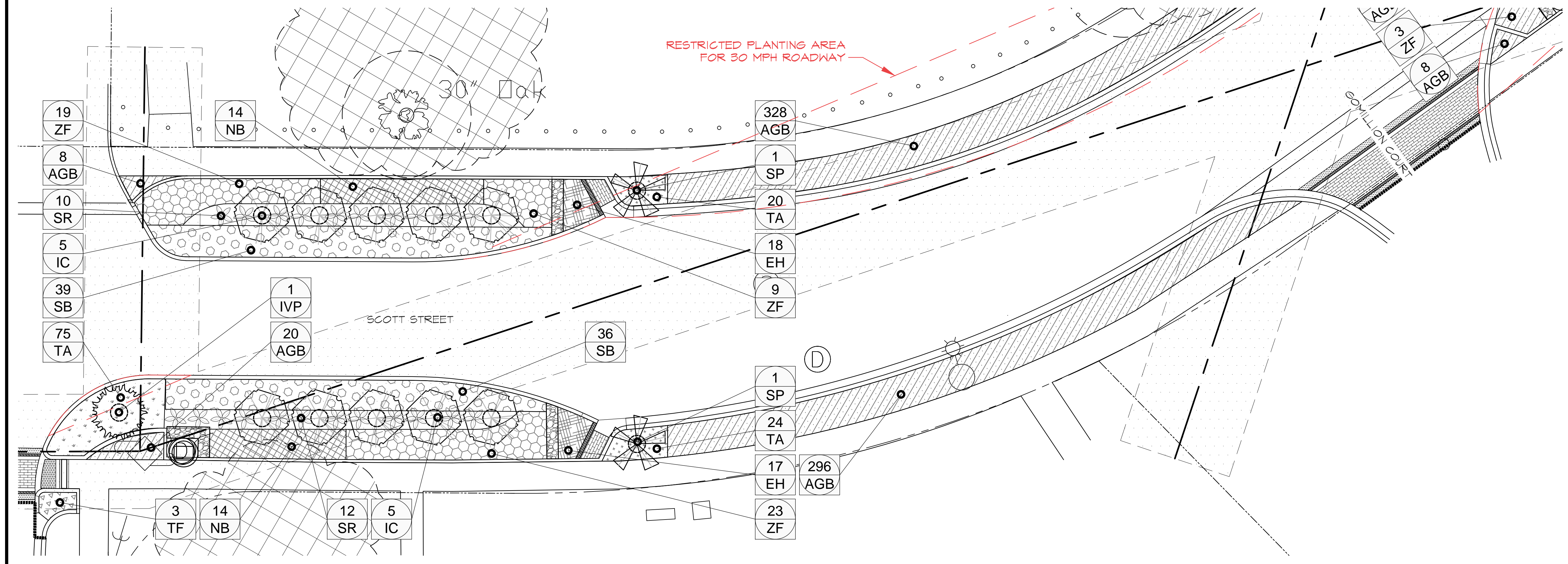
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**L3A NEBRASKA AVE GATEWAY**  
L1.3 SCALE: 1" = 10' - 0"



**L3B MARYLAND AVE TO GOMILLION COURT**  
L1.3 SCALE: 1" = 10' - 0"

**LANDSCAPE LEGEND**

AR	Acer rubrum Red Maple
BN	Bismarckia nobilis Bismark Palm
IC	Ilex cassine Dahoon holly
IVP	Ilex vomitoria 'Pendula' Weeping Yaupon Holly
LIC	Lagerstroemia indica 'Catawba' Catawba Crape Myrtle
LIN	Lagerstroemia indica 'Natchez' Natchez Crape Myrtle
QV	Quercus virginiana Live Oak
SP	Sabal palmetto Cabbage Palm
TD	Taxodium distichum Bald cypress
MCA	Muhlenbergia capillaris Muhly grass
NB	Nephrolepis biserrata Macho Fern
SB	Spartina bakeri Sand Cord Grass
SR	Serenoa repens Saw Palmetto
TF	Tripsicum floridanum Dwarf gama grass
ZF	Zamia floridana Coontie
AGB	Arachis glabrata Berth Peanut grass
EH	Equisetum hyemale Horsetail
TA	Trachelospermum asiaticum 'minima' Ground Jasmine
HD	Helianthus debilis Dune Sunflower

Revisions:	No.	Issue	Date
	1	GRAPHIC ADJUSTMENT	

**LANDSCAPE PLAN - EAST (1)**  
**SCOTT STREET L.I.D. STREETSCAPE**  
TAMPA, FLORIDA  
PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

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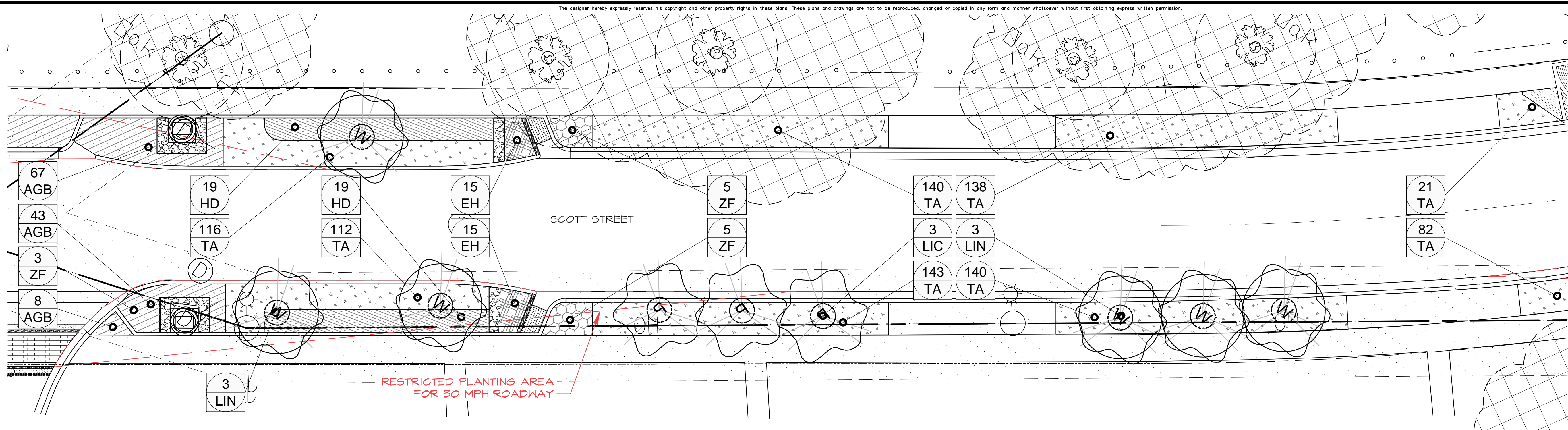
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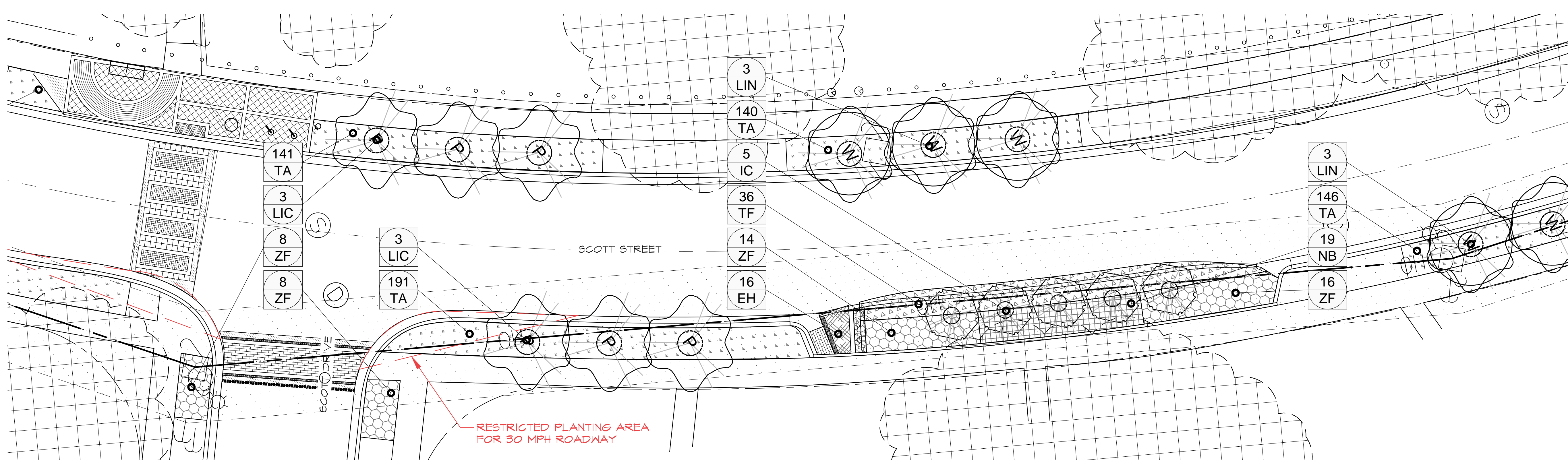
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4 of 9

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**L4A** GOMILLION COURT TO SCOTT DRIVE  
L1.4 SCALE: 1" = 10' - 0"



**L4B** SCOTT DRIVE AREA  
L1.4 SCALE: 1" = 10' - 0"

### LANDSCAPE LEGEND

	AR	Acer rubrum Red Maple
	BN	Bismarckia nobilis Bismark Palm
	IC	Ilex cassine Dahoon holly
	IVP	Ilex vomitoria 'Pendula' Weeping Yaupon Holly
	LIC	Lagerstroemia indica 'Catawba' Catawba Crape Myrtle
	LIN	Lagerstroemia indica 'Natchez' Natchez Crape Myrtle
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	SP	Sabal palmetto Cabbage Palm
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	SB	Spartina bakeri Sand Cord Grass
	SR	Serenca repens Saw Palmetto
	TF	Tripsicum flori danum Dwarf gama grass
	ZF	Zamia floridana Coontie
	AGB	Arachis glabrata Berth Peanut grass
	EH	Equisetum hyemale Horsetail
	TA	Trachelospermum asiaticum 'minima' Ground Jasmine
	HD	Helianthus debilis Dune Sunflower

Revisions:		
No.	Issue	Date

LANDSCAPE PLAN - EAST (2)  
**SCOTT STREET L.I.D. STREETSCAPE**  
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Location: TAMPA  
Design: RFP Draw: RFP  
Scale: Check: TTL/GT

Sheet No.  
**L1.4**  
5 of 9

CONTRACTOR RESPONSIBLE TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY PRIOR TO CONSTRUCTION. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY EXISTING FIELD CONDITIONS.

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### LANDSCAPE LEGEND

AR	Acer rubrum Red Maple
BN	Bismarckia nobilis Bismark Palm
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EH	Equisetum hyemale Horsetail
TA	Trachelospermum asiaticum 'minima' Ground Jasmine
HD	Helianthus debilis Dune Sunflower

Revisions:	No.	Issue	Date

LANDSCAPE PLAN - EAST (3)  
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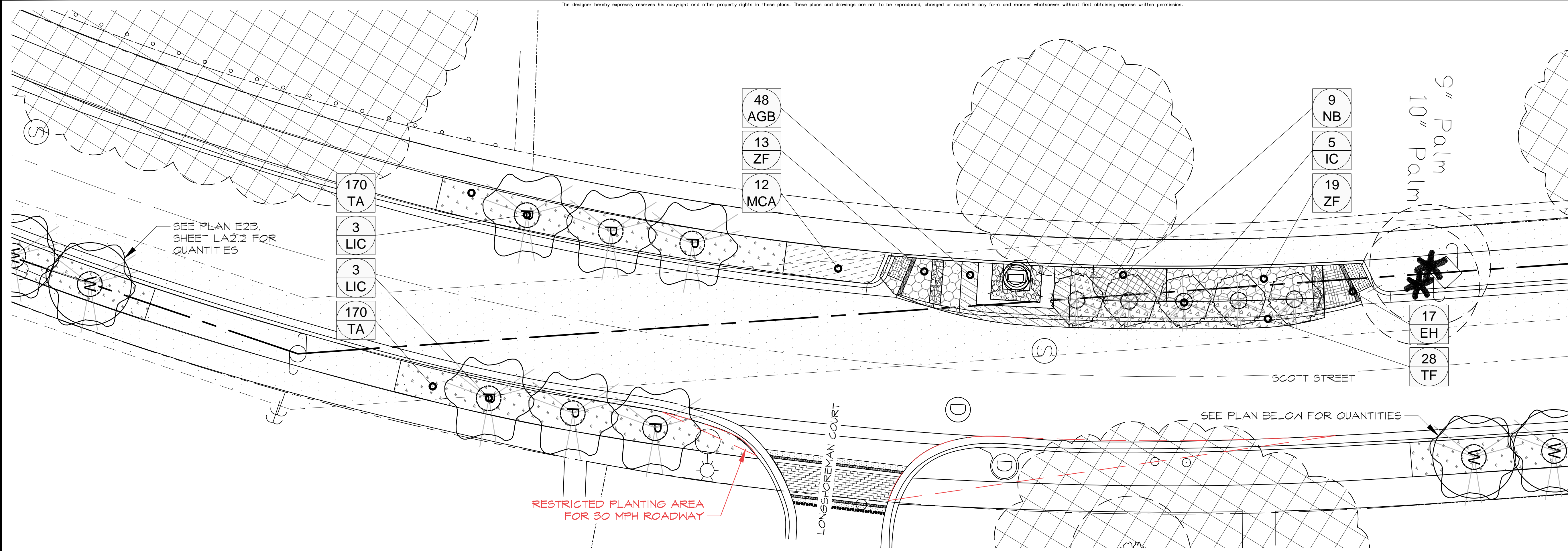
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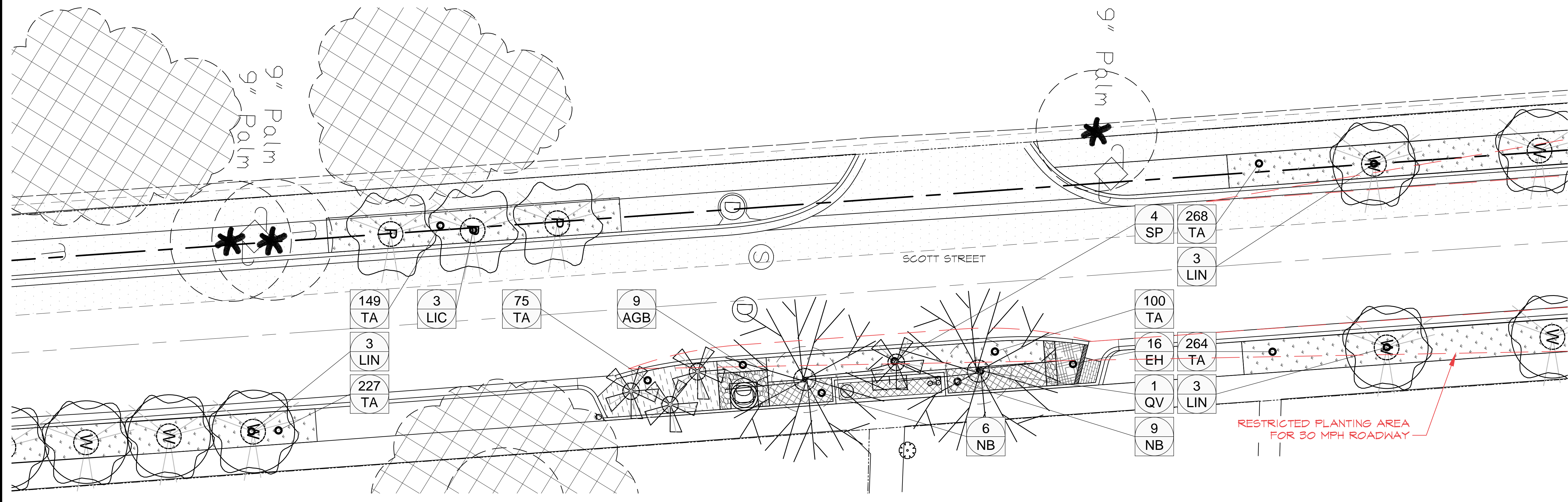
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Revision:	TAMPA	Rev:	18/18
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Scale:	RPZ	Drawn:	RPZ
Scale:	1/4" = 1'-0"	Checked:	TTL/GT

Sheet No.  
**L1.5**  
 6 of 9



**L5A LONGSHOREMAN COURT AREA**  
 L1.5 SCALE: 1" = 10' - 0"



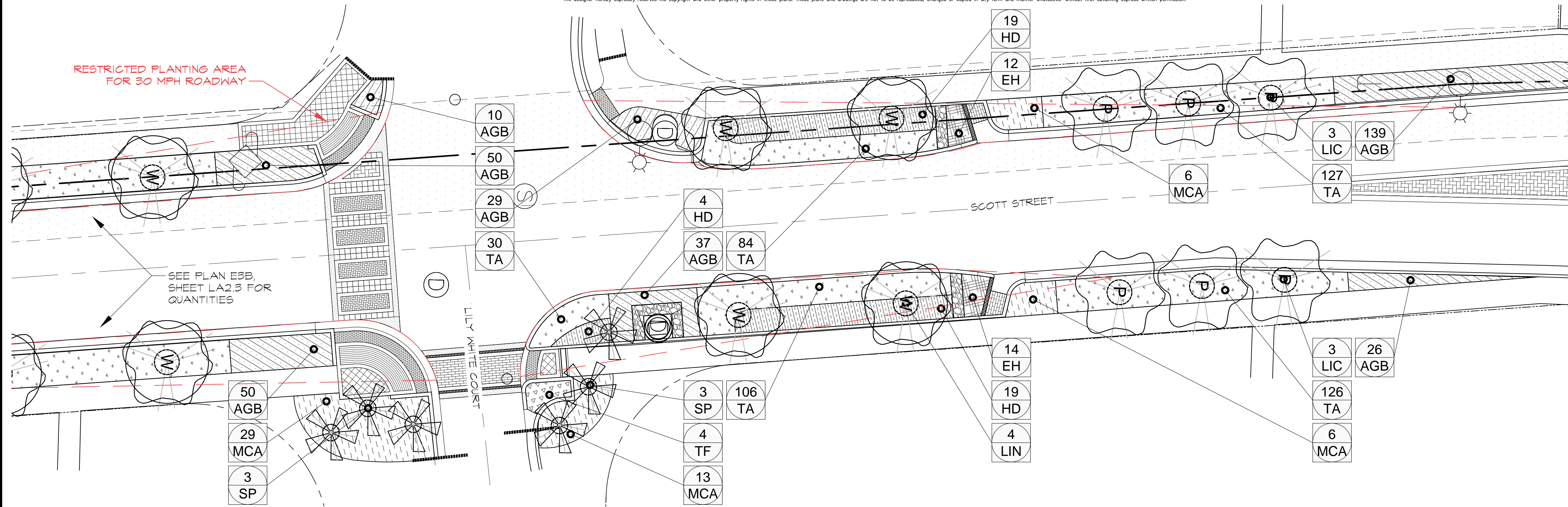
**L5B SOUTH OF LILY WHITE COURT**  
 L1.5 SCALE: 1" = 10' - 0"

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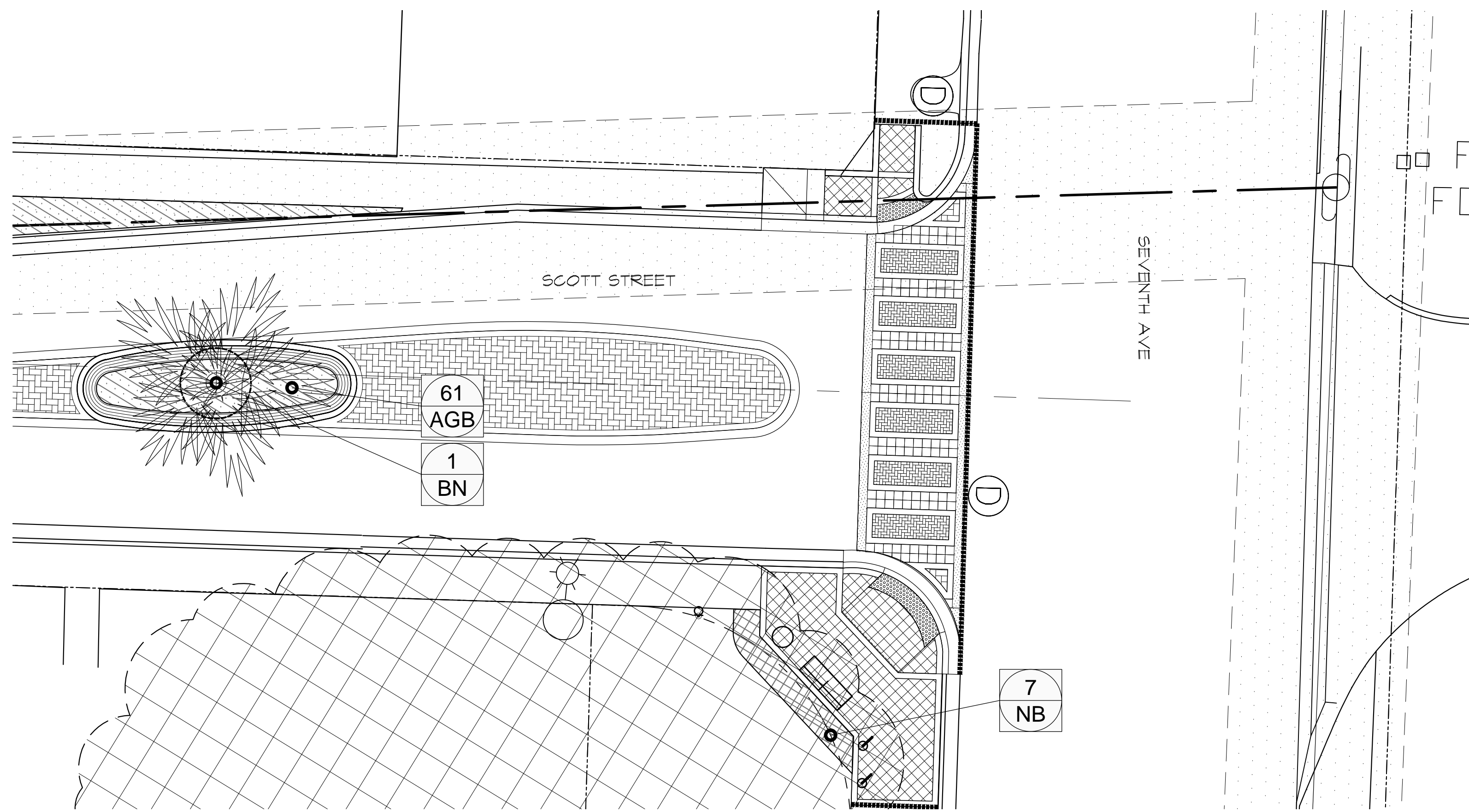
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**L6A** LILY WHITE COURT  
L1.6 SCALE: 1" = 10' - 0"



**L6B** SEVENTH AVE GATEWAY  
L1.6 SCALE: 1" = 10' - 0"

**CONCEPTUAL LANDSCAPE LEGEND**

	AR	Acer rubrum Red Maple
	BN	Bismarckia nobilis Bismark Palm
	IC	Ilex cassine Dahoon holly
	IVP	Ilex vomitoria 'Pendula' Weeping Yaupon Holly
	LIC	Lagerstroemia indica 'Catawba' Catawba Crape Myrtle
	LIN	Lagerstroemia indica 'Natchez' Natchez Crape Myrtle
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	ZF	Zamia floridana Coontie
	AGB	Arachis glabrata Berth Peanut grass
	EH	Equisetum hyemale Horsetail
	TA	Trachelospermum asiaticum 'minima' Ground Jasmine
	HD	Helianthus debilis Dune Sunflower

Revisions:

No.	Issue	Date

**LANDSCAPE PLAN - EAST (4)**  
**SCOTT STREET L.I.D. STREETSCAPE**  
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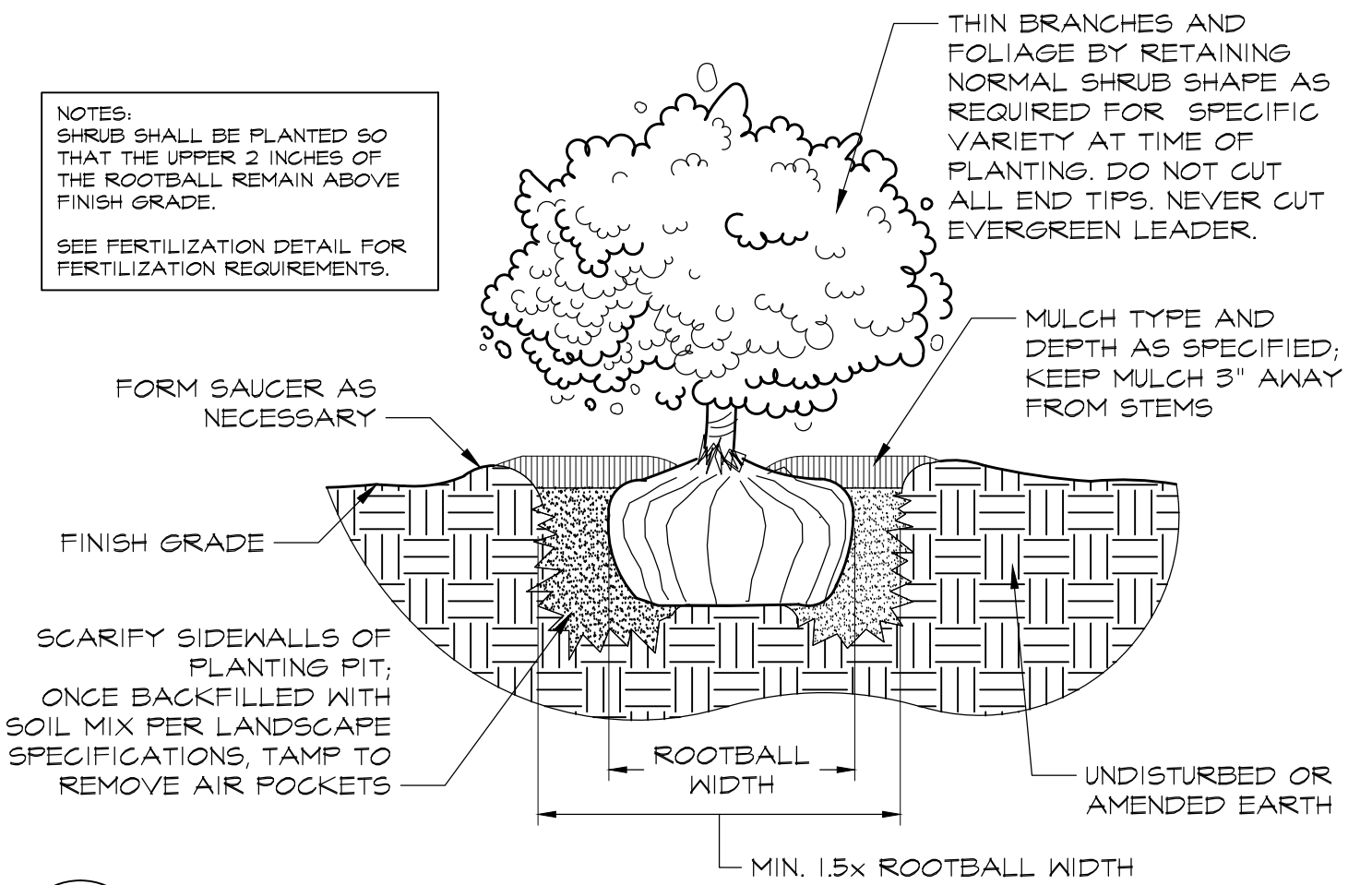
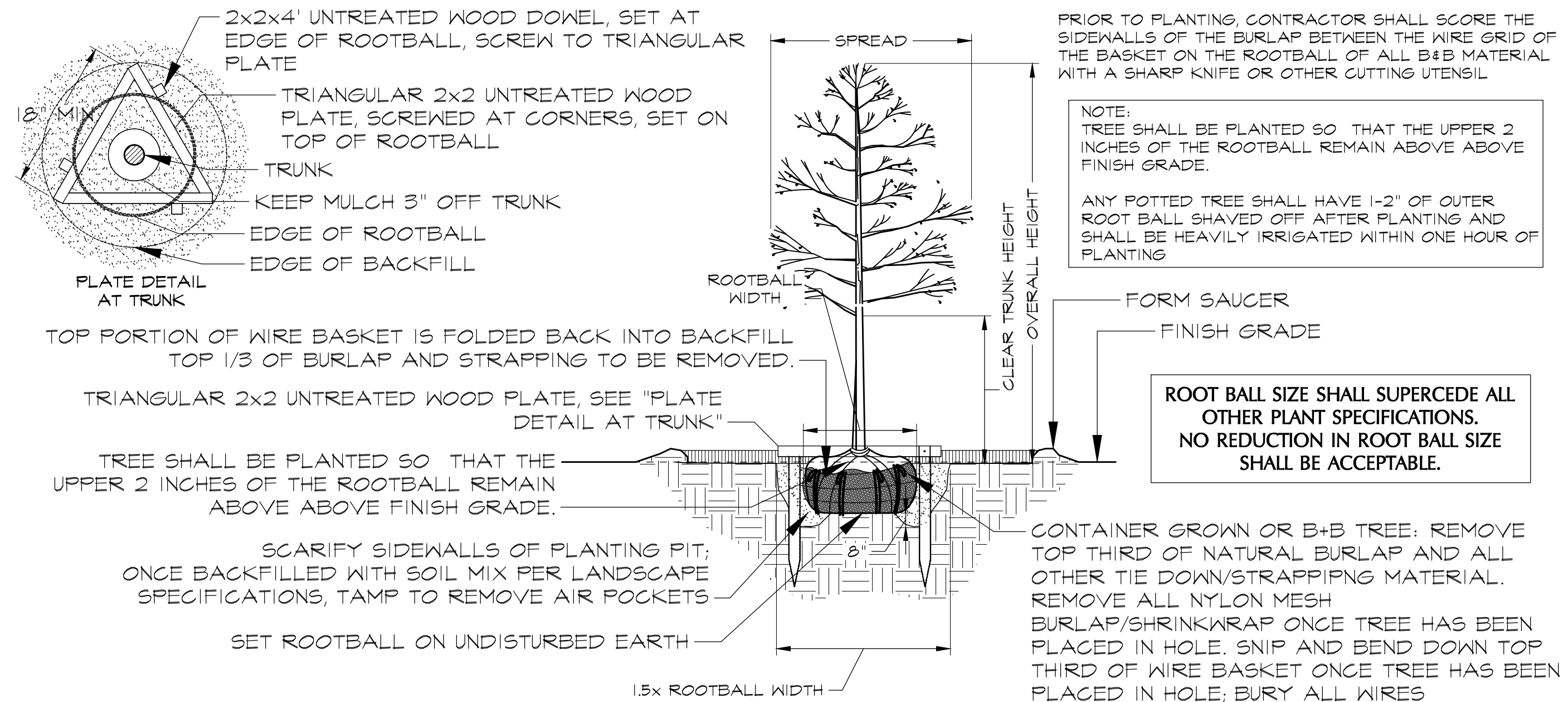
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Sheet No. <b>L1.6</b>	
7 of 9	

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**LANDSCAPE SPECIFICATIONS**

- ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO.1 OR BETTER PER "GRADES AND STANDARDS FOR NURSERY PLANTS, PART I & II", FLORIDA DEPARTMENT OF AGRICULTURE, TALLAHASSEE, FL.
- ALL PERMITS NECESSARY FOR INSTALLATION/CONSTRUCTION ARE TO BE PROVIDED BY THE LANDSCAPE CONTRACTOR UNLESS OTHERWISE SPECIFICALLY STATED IN THE LANDSCAPE PLANS OR NOTES.
- INSTALLATION OF LANDSCAPE MUST BE COORDINATED WITH OTHER SUBCONTRACTORS. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IF ANY CONFLICTS ARISE BETWEEN THE PROPOSED DESIGN AND EXISTING CONDITIONS ON-SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ON-SITE CONDITIONS AS PART OF THE BIDDING PROCESS. THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO AWARD OF CONTRACT OF ANY ON-SITE CONDITIONS THAT WOULD HINDER THE NORMAL, HEALTHY GROWTH OF PLANT SPECIES PROPOSED ON THESE PLANS.
- THE LANDSCAPE ARCHITECT MAY BE CONTACTED FOR ASSISTANCE IN LAYOUT OF PLANT MATERIAL, IF NEEDED. ALL QUESTIONS REGARDING PLANT PLACEMENT MUST BE RESOLVED PRIOR TO COMMENCEMENT OF INSTALLATION.
- CAREFULLY REVIEW THE LANDSCAPE MATERIAL SPECIFICATIONS. ALL MATERIALS MUST BE AS SPECIFIED ON THE LANDSCAPE PLANS. IF MATERIALS OR LABOR DO NOT ADHERE TO SPECIFICATIONS, THE LANDSCAPE ARCHITECT WILL REJECT THEM.
- THE LANDSCAPE ARCHITECT WILL ACCEPT NO SUBSTITUTIONS OF PLANT MATERIAL/SPECIES WITHOUT WRITTEN APPROVAL. CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT PROOF OF NON-AVAILABILITY AND A PROPOSAL FOR THE USE OF EQUIVALENT MATERIAL.
- PLANT MATERIAL QUANTITIES SHOWN ON THESE PLANS ARE SUPPLIED AS AN AID TO THE CONTRACTOR FOR BIDDING PURPOSES. FINAL QUANTITY TAKEOFFS ARE THE RESPONSIBILITY OF THE CONTRACTOR. NOTIFY THE LANDSCAPE ARCHITECT IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH ANY CHANGES IN MATERIAL QUANTITIES.
- PLANT SPECIFICATIONS OF HEIGHT, CLEAR TRUNK, SPREAD AND CONTAINER SIZE SHOWN ON THE PLANS ARE MINIMUM ACCEPTABLE SIZES. ALL INSTALLED MATERIAL SHALL MEET OR EXCEED THE GIVEN SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT PROOF OF NON-AVAILABILITY AND A PROPOSAL FOR THE USE OF EQUIVALENT MATERIAL.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ROUGH GRADING THE SITE TO WITHIN 0.10 FT. OF GRADES SHOWN ON THESE PLANS. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINISH GRADES IN ALL LANDSCAPE AREAS. ALL PROPOSED CONTOURS SHOWN ON THE LANDSCAPE PLANS ARE TO BE GRADED TO A MAXIMUM SLOPE OF 3:1.
- PLANTING BEDS SHALL BE TREATED WITH A USEPA APPROVED PRE-EMERGENT HERBICIDE PRIOR TO INSTALLATION OF PLANT MATERIAL. CONTRACTOR SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS FOR APPLICATION RATES, ETC. PLANTING BEDS SHALL BE WEED-FREE AT TIME OF PLANTING.
- AT-GRADE PLANTING BEDS SHALL BE FINISHED WITH A 3" LAYER OF "MELALEUCA" OR APPROVED EQUAL. DEPRESSED PLANTING BEDS SHALL BE FINISHED WITH FINE WASHED SHELL MULCH, SEE HARDSCAPE DETAILS.
- SEE LANDSCAPE SOILS PLAN FOR SOIL SPECIFICATIONS. CONTRACTOR SHALL SUBMIT SAMPLES FOR APPROVAL. CONTRACTOR SHALL ALSO PLACE AN APPROPRIATE QUANTITY OF "AGRIFORM" SLOW RELEASE FERTILIZER TABLETS INTO EACH PLANT PIT.
- THE CONTRACTOR IS RESPONSIBLE FOR APPROPRIATE WATERING AND MAINTENANCE OF ALL PLANT MATERIAL DURING THE INSTALLATION PHASE. ANY DEAD OR DEFICIENT PLANT MATERIAL WILL BE REPLACED PRIOR TO FINAL ACCEPTANCE BY THE OWNER.
- THE CONTRACTOR SHALL WARRANT ALL WORKMANSHIP AND MATERIALS. TREES SHALL BE WARRANTED FOR ONE YEAR, SHRUBS AND GROUNDCOVER SHALL BE WARRANTED FOR SIX MONTHS.
- THE CONTRACTOR SHALL VERIFY THAT THE SOIL IS FREE OF EXCESS CLAY, DEBRIS AND TRASH AND HAS A PH LEVEL SUITABLE FOR OPTIMAL GROWING CONDITIONS PRIOR TO IMPLEMENTATION OF THE PROPOSED PLAN.
- ALL LANDSCAPE BIDS SHALL PROVIDE UNIT PRICE BREAKDOWNS FOR PLANTS AND SUPPLEMENTAL MATERIALS.
- ALL LANDSCAPED AREAS SHALL EITHER BE MULCHED OR SODDED IN ACCORDANCE WITH LOCAL MUNICIPAL OR JURISDICTIONAL REGULATIONS.
- LANDSCAPE CONTRACTOR TO REPAIR DAMAGES RESULTING FROM PLANTING OPERATIONS. REPAIRS TO INCLUDE EXISTING IRRIGATION SYSTEM, EXISTING SOD, EXISTING LANDSCAPE BEDS AND EXISTING TREES.
- LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF PREMISES AND REMOVAL OF DISCARDED AND SURPLUS MATERIALS AND RUBBISH ON A DAILY BASIS. REFER TO CITY OF TAMPA SPECIFICATIONS FOR DETAILED INFORMATION ON PLANTING AND SOD.
- LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR 90-DAY MAINTENANCE. SEE 90-DAY MAINTENANCE TABLE ON SHEET L1.0. LANDSCAPE CONTRACTOR SHALL REPLACE PLANTS THAT ARE NOT THRIVING DURING THE 90-DAY MAINTENANCE PERIOD. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR TRUCK-WATERING FOR 90-DAY MAINTENANCE PERIOD AND AN SUBSEQUENT 90-DAY ESTABLISHMENT PERIOD, TOTALING 180 DAYS.
- LANDSCAPE CONTRACTOR SHALL PROVIDE AS-BUILT PLANS AFTER FINAL ACCEPTANCE.
- AFTER COMPLETION OF PLANTING, THE CONTRACTOR SHALL REMOVE ALL ROPE "CROSS-TIES" FROM THE TOP OF THE ROOTBALL AND CUT THE WIREBASKET AWAY FROM THE TOP OF THE ROOTBALL.

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**AGRIFORM FERTILIZATION - TREES, SHRUBS & GROUNDCOVERS**

ALL PLANTINGS SHALL BE FERTILIZED WITH AGRIFORM 20-10-15 PLANTING TABLETS AT THE TIME OF INSTALLATION AND PRIOR TO COMPLETION OF BACKFILLING. AGRIFORM PLANTING TABLETS SHALL BE PLACED UNIFORMLY AROUND THE ROOT MASS AT THE DEPTH THAT IS BETWEEN THE MIDDLE AND THE BOTTOM OF THE ROOT MASS.

APPLICATION RATES

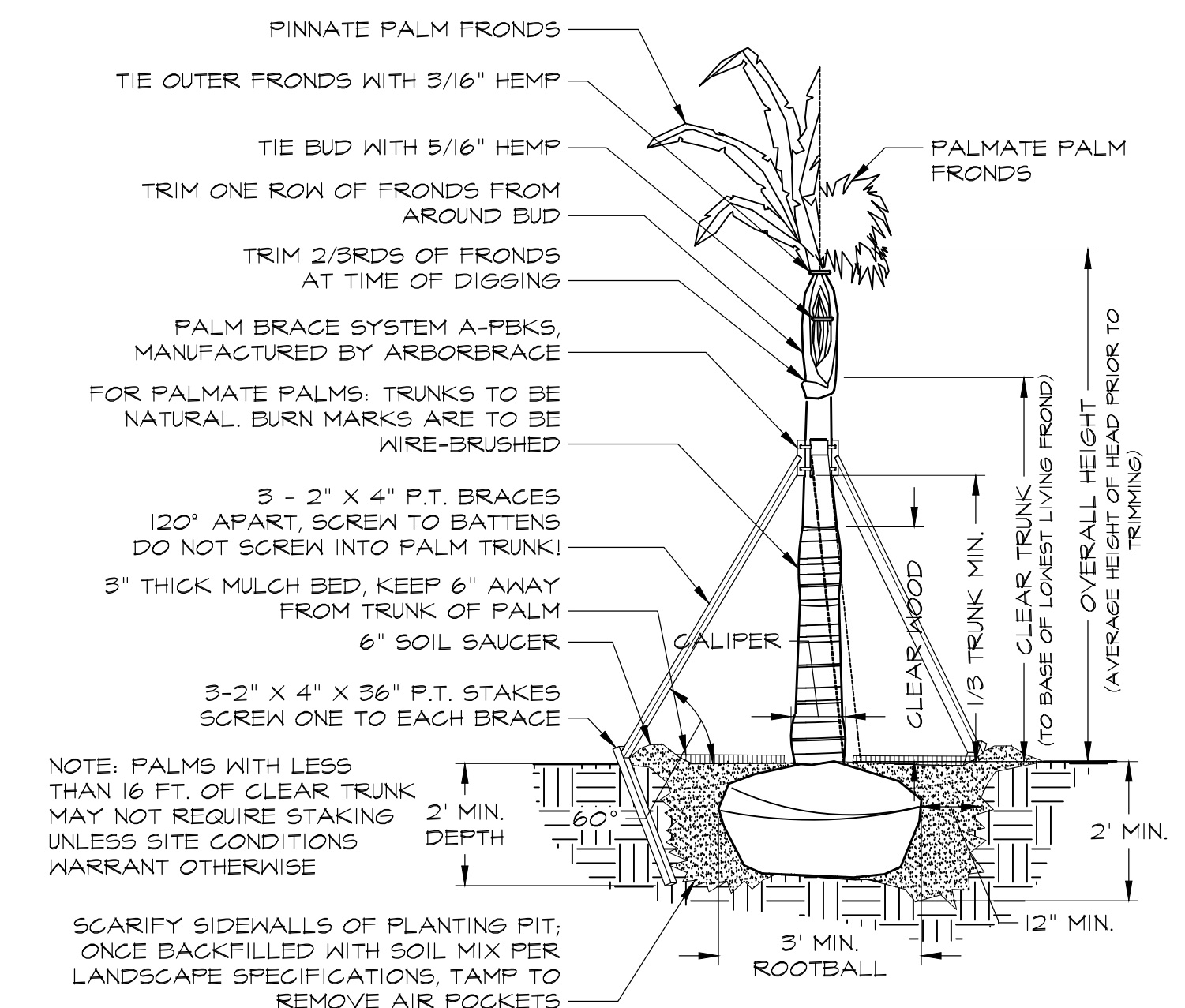
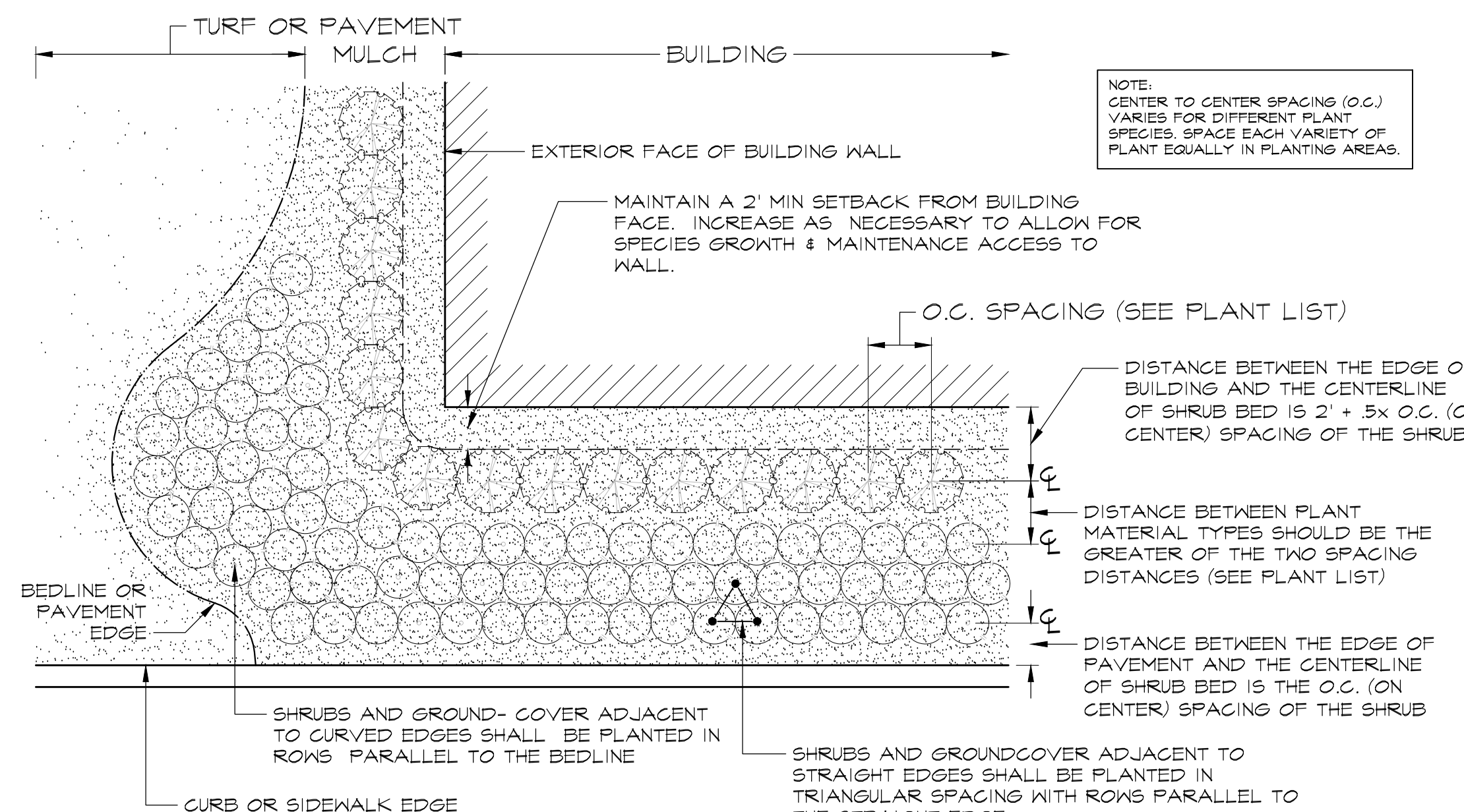
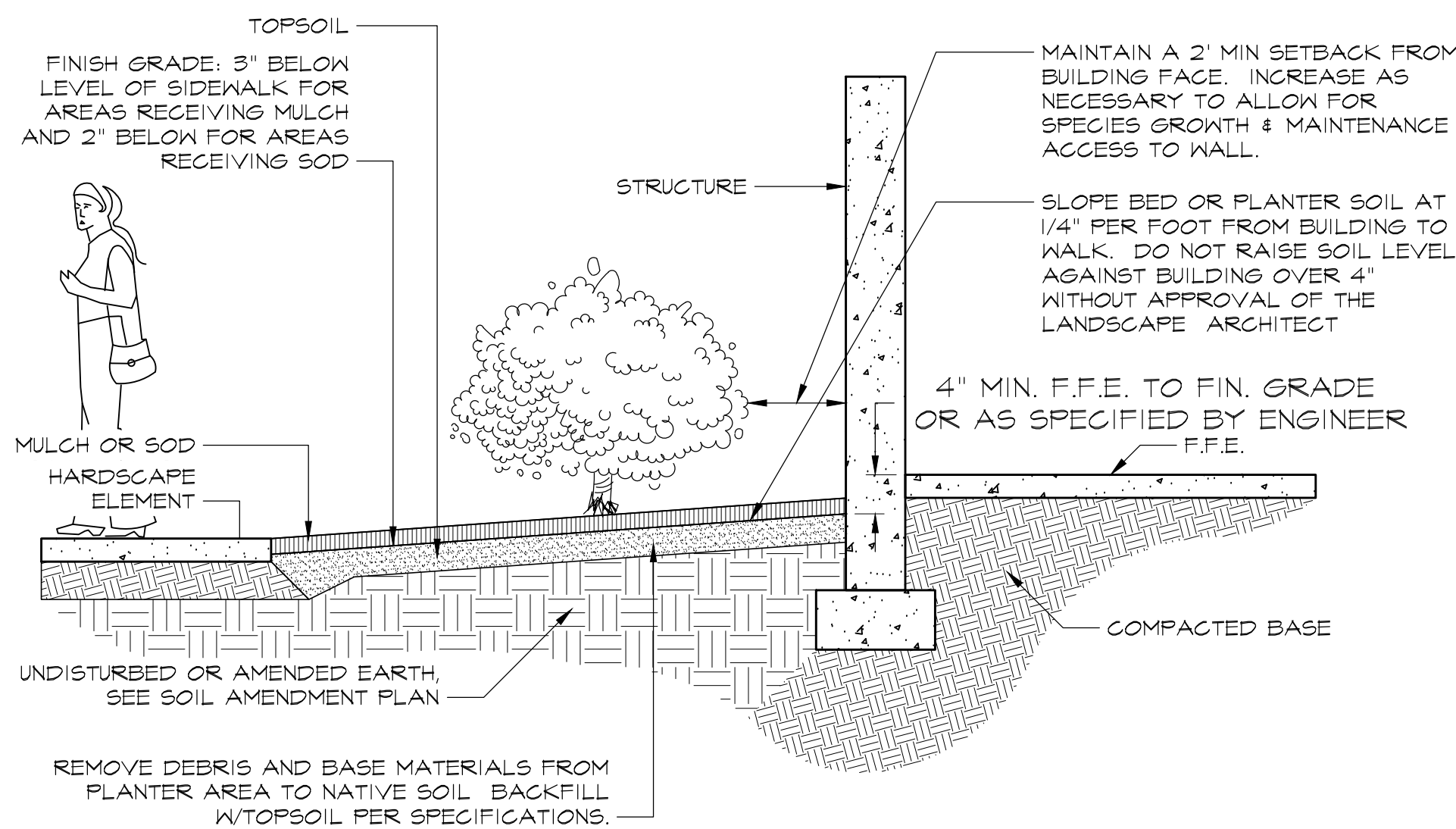
21 GRAM TABLET				10 GRAM TABLET	5 GRAM TABLET
1 GALLON CAN PLANTS	3 GALLON CAN PLANTS	5 GALLON CAN PLANTS	7 GALLON CAN PLANTS	WELL-ROOTED LINERS	SMALL GROUNDCOVERS OR PERENNIALS
1 TABLET	2 TABLETS	3 TABLETS	4 TABLETS	1 TO 2 TABLETS	1 TABLET

TREES: 5 TABLETS FOR EA. 1/2" OF CALIPER  
SHRUBS: 1 TABLET FOR EA. 1" OF HEIGHT

MATURE PALMS  
10 TABLETS PER PALM

AGRIFORM 20-10-15 PLANTING TABLETS AS MANUFACTURED BY: SIERRA CHEMICAL COMPANY 1001 YOSEMITE DRIVE MILPITAS, CA 95035

NOTE: LANDSCAPE ARCHITECT MAY MAKE A RANDOM SAMPLING OF PLANT PITS TO DETERMINE THE UNIFORMITY OF APPLICATION.



Revisions:	No.	Issue	Date

LANDSCAPE DETAILS  
**SCOTT STREET L.I.D. STREETSCAPE**  
TAMPA, FLORIDA  
PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

**EKISTICS DESIGN STUDIO**  
URBAN PLANNING  
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Issue Date: 2016-01-22	Job #: C-1412
Scale: 13/18	Rev: 29/29
Sheet: 18/18	
TAMPA	
Designed: RFP	Drawn: RFP
Score:	Checked:

Sheet No. **L2.1**  
8 of 9

Revisions:	No.	Issue	Date

### EXISTING PRE-DEVELOPMENT SOIL CONDITIONS

THE BELOW INFORMATION IS BASED ON NRCS SOIL MAPS AND MAY VARY BASED ON SITE-SPECIFIC CONDITIONS. THIS INFORMATION DOES NOT APPLY TO DEVELOPMENT SITES RECEIVING IMPORTED FILL. CONFIRM IMPORTED FILL SPECIFICATIONS WITH SITEWORK CONTRACTOR.

SOIL PHYSICAL PROPERTIES		
% SAND	% SILT	% CLAY
90-100	0-10	0-10

### SOIL SPECIFICATIONS:

1. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ROUGH GRADING THE SITE TO WITHIN 0.10 FT. OF GRADES SHOWN ON THESE PLANS. ALL LANDSCAPED BEDS ADJACENT TO BUILDINGS SHALL BE LEFT 0.2' LOWER THAN DESIGNED TO INCORPORATE SOIL AMENDMENTS. THE LANDSCAPE CONTRACTOR SHALL INCORPORATE SOIL AMENDMENTS INTO THESE BEDS BY TILLING IN 4" OF A MIXTURE OF ONE PART GOOD QUALITY PEAT OR COMPOSTED FINES, AND ONE PART NATIVE SOIL OR APPROVED EQUAL. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR FINISH GRADES IN ALL LANDSCAPE AREAS. ALL PROPOSED CONTOURS SHOWN ON THE LANDSCAPE PLANS ARE TO BE GRADED TO A MAXIMUM SLOPE OF 3:1.

2. TO THE BEST OF HIS ABILITY THE LANDSCAPE ARCHITECT HAS DETERMINED THAT THE ON-SITE SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE PROPOSED PLANT MATERIAL ON THESE PLANS. HOWEVER, IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT THE SOIL IS FREE OF EXCESS CLAY, DEBRIS AND TRASH AND HAS A PH LEVEL SUITABLE FOR OPTIMAL GROWING CONDITIONS PRIOR TO IMPLEMENTATION OF THE PROPOSED PLAN.

3. POST CONSTRUCTION SOILS MAY DIFFER FROM ASSUMED SOIL CONDITIONS ASCERTAINED BY PRE-DEVELOPMENT SOIL CONDITIONS. LANDSCAPE CONTRACTOR SHALL BACKFILL SOIL REMEDIATION AREAS WITH A WELL-BLENDED MIX OF:

ON-SITE NATIVE SOIL: 1 PART BY VOLUME  
IMPORTED AMENDMENT SOIL: 1 PART BY VOLUME

IMPORTED AMENDMENT SOIL SHALL MEET THE FOLLOWING CRITERIA:

- (A) BULK DENSITY: 1.0-1.6 G/CM<sup>3</sup> (62-100 LBS/FT<sup>3</sup>)
- (B) PH: 5.5-7.0
- (C) INFILTRATION RATE: 4-8 IN/HR FOR ALL LANDSCAPE AREAS (EXCEPT SPECIFICALLY DESIGNATED WETLANDS OR XERISCAPE PLANTING AREAS)
- (D) SOIL FERTILITY: SEE FERTILIZER SPECIFICATIONS
- (E) TEXTURE ANALYSIS: CLAY:10-25%; SAND: 70-85%; SILT: 0-20%

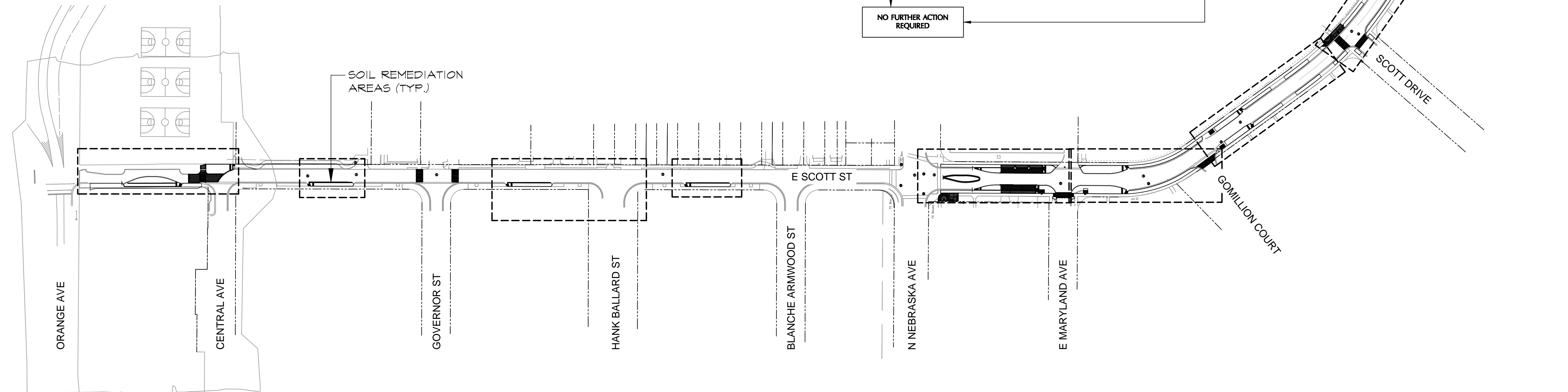
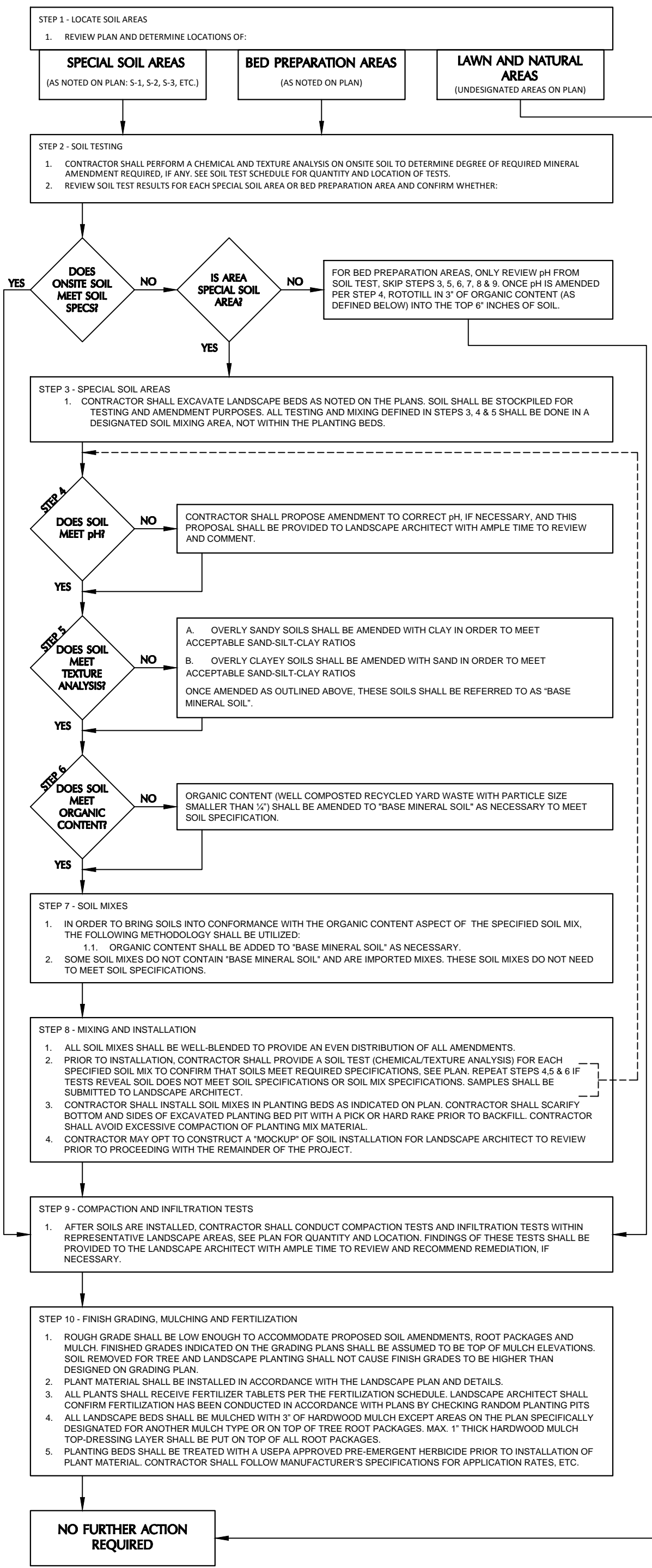
SIB PLANTER SOIL:  
ORGANIC CONTENT: 1 PART BY VOLUME  
MINERAL CONTENT: 4 PARTS BY VOLUME

ORGANIC CONTENT (WELL COMPOSTED RECYCLED YARD WASTE WITH PARTICLE SIZE SMALLER THAN ¼, FREE OF INVASIVE PLANT MATERIAL) SHALL BE WELL-BLENDED INTO SOIL MIX.

4. NATIVE ON-SITE UNDISTURBED, UN-COMPACTED SOILS SHALL BE EXEMPT UNLESS SPECIFICALLY NOTED IN PLANS. CONTRACTOR SHALL PROVIDE SOIL TESTING TO CONFIRM LANDSCAPE BED CONDITIONS PRIOR TO PLANTING. SOILS THAT DO NOT MEET THE ABOVE CRITERIA SHALL BE SUBJECT TO AMENDMENT CRITERIA RECOMMENDED BY THE LANDSCAPE ARCHITECT.

5. LANDSCAPE CONTRACTOR SHALL PREPARE A 10'X10'X6" SOIL MIX MOCKUP FOR CHEMICAL AND TEXTURE SOIL TESTING. SOIL TEST RESULTS SHALL BE PROVIDED TO LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR MAY PROVIDE SOIL SAMPLES OF OTHER SOIL MIXES (SUCH AS NURSERY POTTING SOIL) FOR APPROVAL BY LANDSCAPE ARCHITECT. ALL SAMPLES MUST BE ACCOMPANIED BY A CHEMICAL AND TEXTURE ANALYSIS FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. A MOCKUP IS NOT REQUIRED IF LANDSCAPE CONTRACTOR ELECTS TO REPLACE ALL SOIL IN REMEDIATION AREAS WITH AN APPROVED SOIL MIX.

### IMPORTANT SOIL REMEDIATION PROCESS



CONTRACTOR RESPONSIBLE TO NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCY BETWEEN PLAN AND FIELD CONDITIONS IMMEDIATELY PRIOR TO CONSTRUCTION. LANDSCAPE ARCHITECT ASSUMES NO RESPONSIBILITY FOR ANY EXISTING FIELD CONDITIONS.

LANDSCAPE SOILS PLAN  
**SCOTT STREET L.I.D. STREETSCAPE**  
 TAMPA, FLORIDA  
 PREPARED FOR: CITY OF TAMPA PARKS AND RECREATION DEPARTMENT

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Issue Date	Job #
2018-01-22	C-1412
13/18	29/29
18/18	18/18
Location:	TAMPA
Design:	RFP
Scale:	1"=1'-0"
Sheet No.	L2.2
9 of 9	