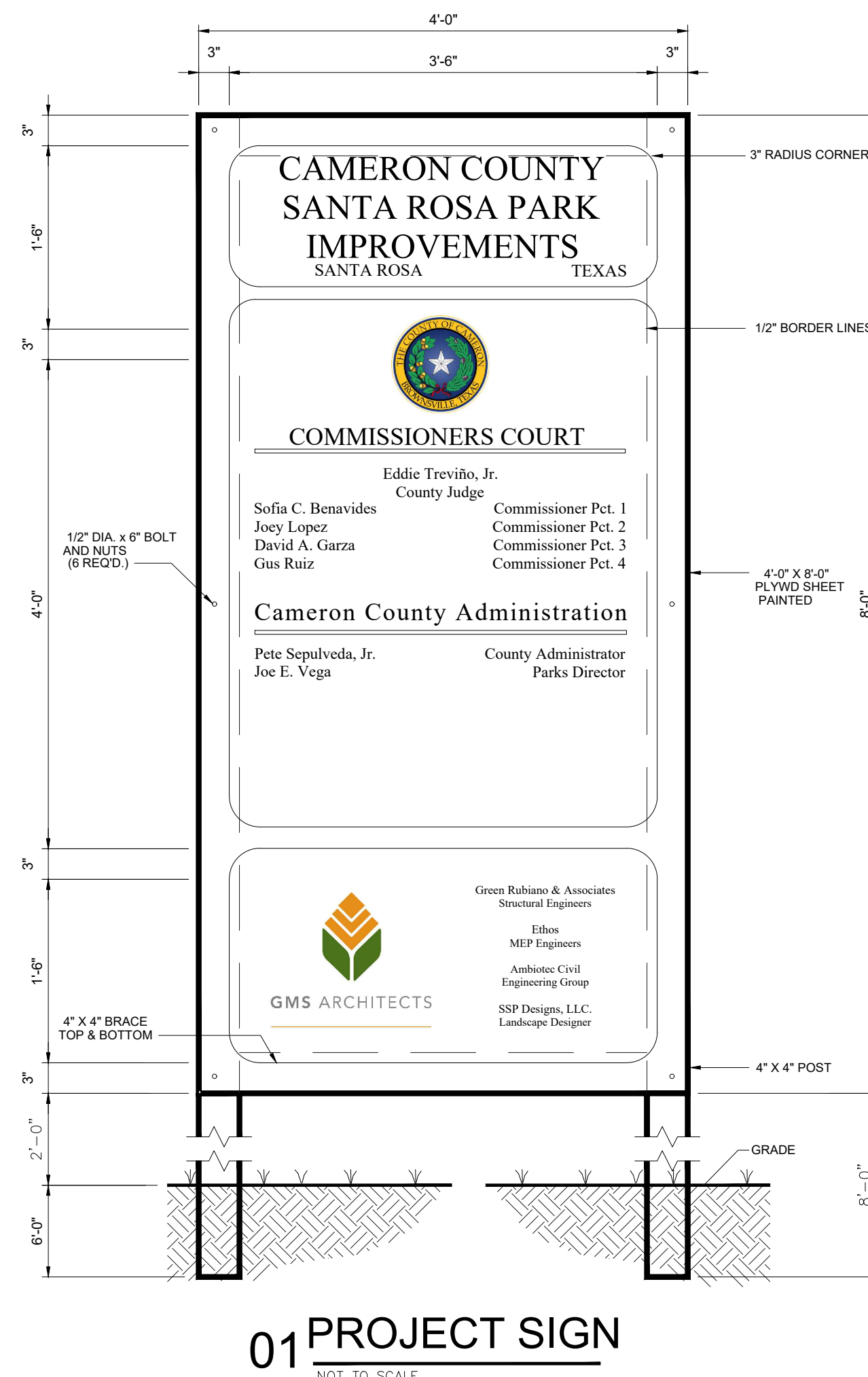


# CAMERON COUNTY PARKS SANTA ROSA PARK PHASE II IMPROVEMENTS SANTA ROSA, TEXAS

**CAMERON COUNTY PARKS  
SANTA ROSA PARK IMPROVEMENTS**



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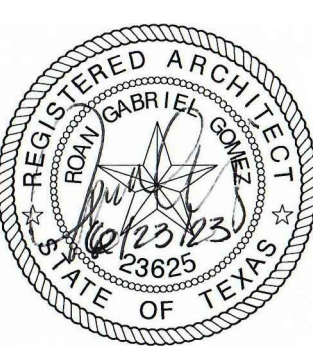
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Date: June 2023  
Scale: As Noted  
Project Architect: Roan G. Gomez, AIA  
Drawn By: RN  
Job No. SANTA ROSA - PHASE 2  
Sheet: COVER





**GENERAL NOTES**

\* PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL SCHEDULE A PRECONSTRUCTION CONFERENCE BETWEEN THE OWNER & THE CONSULTING ENGINEER, CONTRACTOR, BPUB AND ALL OTHER AFFECTED PARTIES.

\* CONTRACTOR TO KEEP ACCESS PUBLIC ROADS OPEN AT ALL TIMES FOR EMPLOYEES. AREA USED FOR CONTRACTOR'S PERSONNEL PARKING, MATERIAL STORAGE, STOCKPILE, MATERIAL FABRICATION, AND RELATED CONSTRUCTION USES ARE NOT TO INTERFERE WITH NORMAL TRAFFIC.

\* CONTRACTOR TO GIVE NOTICE IN WRITING TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.

\* CONTRACTOR SHALL PERSONALLY ENSURE THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN BE ISSUED ONLY TO CONTRACTOR SHALL BE OBTAINED AT NO EXPENSE TO THE OWNER.

\* UTILITY NOTE: THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS ARE BASED UPON RECORD INFORMATION ONLY, AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, HORIZONTAL AND VERTICAL OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, EXISTING OR ABANDONED. NO SEPARATE PAY. THE INFORMATION SHOWN CONCERNING TYPE AND LOCATIONS OF UNDERGROUND AND OVERHEAD UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITIES. THE CONTRACTOR'S INFORMATION SHALL BE CONDUCTED TO PREVENT UNNECESSARY INTERFERENCE WITH ANY EXISTING UTILITY SYSTEM INFRASTRUCTURE. IF THE CONTRACTOR'S WORK REQUIRES INTERRUPTION, THE CONTRACTOR MUST COORDINATE WITH AFFECTED UTILITY COMPANIES 48 HOURS IN ADVANCE.

\* THROUGHOUT THE CONSTRUCTION, AND AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR IS TO ENSURE THAT DRAINAGE OF STORM WATER RUNOFF IS NOT BLOCKED. MAINTAIN DRAINAGE OF SITE DURING ALL PHASES OF CONSTRUCTION. DO NOT BLOCK DRAINAGE FROM ADJACENT AREAS NOR ADD FLOW TO ADJACENT AREAS.

\* THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION IN A PARTICULAR AREA.

\* DAMAGES DONE TO EXISTING UTILITIES, POWER POLES, FENCES, SIGNS, MAILBOXES, DRIVEWAYS, CULVERTS, PAVEMENT, DRAINAGE SYSTEMS, ETC. SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. DRIVEWAYS SHALL BE REPAIRED ON A LIKE FOR LIKE BASIS.

\* THE CONTRACTOR SHALL HAVE A PERSON ON CALL 24 HOURS A DAY TO TAKE CARE OF MAINTENANCE ITEMS-CONSTRUCTION AREA, SIGNS ETC. THIS PERSON SHALL HAVE AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR IN EMERGENCY CONDITIONS. THE PERSON SHALL BE STATIONED CLOSE ENOUGH TO BE ON SITE WITHIN 1/2 HOUR OF NOTIFICATION. THE PERSON SHALL BE IDENTIFIED IN WRITING PRIOR TO THE START OF CONSTRUCTION. THE ON-SITE REPRESENTATIVE SHALL HAVE ACCESS TO ALL EQUIPMENT AND MATERIAL AND HAVE FULL AUTHORITY NECESSARY TO CORRECT ANY PROBLEMS, DEFICIENCIES, OR EMERGENCIES WHICH MAY ARISE, DURING NON-WORKING HOURS, AND DURING THE ABSENCE OF THE SUPERINTENDENT.

\* EXCESS SPOIL PRODUCED DURING PREPARATION OF THE SUB-GRADE SHALL BE PLACED SPREAD AND COMPACTED ON-SITE IN AREAS AS INSTRUCTED BY THE ENGINEER TO ACHIEVE ADEQUATE GRADING. ANY UNUSABLE MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR TO BE PROPERLY DISPOSED OF AT HIS EXPENSE OR TO HIS ADVANTAGE.

\* THE CONTRACTOR WILL PROVIDE HIS OWN CONSTRUCTION STAKING.

\* CONTRACTOR TO MATCH EXISTING PAVEMENT, SIDEWALK RAMPS AND CURB & GUTTER PAVEMENT OR ANY OTHER IMPROVEMENTS WHERE APPLICABLE.

\* ALL CONCRETE AND ASPHALT DRIVEWAYS ADJUSTED, DAMAGED, OR REPLACED DURING CONSTRUCTION MUST BE SAW-CUT AT A STRAIGHT, NEAT LINE, BEFORE REPAIRING.

\* ABANDONED LINES FOUND DURING CONSTRUCTION SHALL BE REMOVED (UNLESS SPECIFIED OTHERWISE). NO SEPARATE PAY. THIS WORK SHALL BE SUBSIDIARY TO OTHER WORK.

\* THE CONTRACTOR SHALL PLACE BARRICADES, FLAG-MEN, ETC. ON THIS PROJECT IN COMPLIANCE WITH THE PROCEDURE OUTLINED IN THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS." (PART IV TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS, LATEST REVISION). UPON COMPLETION OF THE WORK, ALL SIGNS SHALL BE REMOVED BY THE CONTRACTOR.

\* REFERENCE POINTS: THE ENGINEER WILL ESTABLISH HORIZONTAL AND VERTICAL CONTROLS ONLY (REFERENCE POINTS AND BENCHMARKS AS SHOWN ON THE CONSTRUCTION PLANS.) THE CONTRACTOR MUST NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO STARTING WORK ON ANY SECTION OR PART OF THE WORK WHERE CONTROLS HAVE NOT BEEN ESTABLISHED OR ARE NOT IDENTIFIABLE OR VISIBLE TO THE CONTRACTOR. THE ENGINEER WILL UPON SUCH ADVANCE NOTICE WILL REPLACE ANY CONTROL POINTS THAT HAVE BEEN DESTROYED BY OTHERS PRIOR TO BEGINNING OF CONTRACTOR'S OPERATIONS. AFTER CONTROL POINTS ARE ESTABLISHED AND / OR IDENTIFIED AS OUTLINED ABOVE, MAINTENANCE OF SUCH CONTROL POINTS SHALL BE RESPONSIBILITY OF THE CONTRACTOR. ANY RE-STAKING REQUIRED FOR ANY REASON THEREAFTER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL PROVIDE ALL OTHER CONSTRUCTION STAKING (CUT STAKES, BLUE TOPPING, INTERMEDIATE STRING LINE CONTROL, ETC.) REQUIRED TO VERIFY GRADES, DEPTHS THICKNESSES, AND ALIGNMENT OF THE VARIOUS ITEMS OF CONSTRUCTION.

\* **AS BUILT DRAWINGS:** THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SET OF AS-BUILT PLANS SHOWING NOTES TO ANY CHANGES TO THE DESIGN PLANS. THIS INFORMATION, SIGNED BY ALL INSPECTORS, WILL BE SUBMITTED TO THE ENGINEER AT THE END OF CONSTRUCTION. THE PROJECT'S FINAL ACCEPTANCE AND FINAL PAYMENT WILL NOT BE APPROVED UNTIL THE CONTRACTOR HAS SUBMITTED THE REQUIRED INFORMATION NEEDED BY THE ENGINEER FOR AS-BUILT DRAWINGS.

\* CONCRETE CURB AND GUTTER, PIPE STRUCTURES, ETC. WHICH MUST BE REMOVED IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS WILL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND PROPERLY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS IN THE CONTRACT.

\* MATERIALS CERTIFICATION AND TESTING: CONTRACTOR SHALL PROVIDE SUPPLIERS CERTIFICATION FOR ALL PROJECT MATERIALS (CONCRETE, HYDRATED LIME, LIME-STONE BASE MATERIAL, PRE-CAST INLETS, PIPES, ETC.) THAT SUCH MATERIALS DO MEET PROJECT SPECIFICATIONS PRIOR TO DELIVERY ON-SITE. CONTRACTOR SHALL PROVIDE HOT MIX ASPHALTIC CONCRETE DESIGN FROM A REPUTABLE COMMERCIAL TESTING LABORATORY.

\* STANDARD WORK HOURS: THE STANDARD WORK HOURS FOR THE OWNER IS 8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY. SHOULD THE CONTRACTOR ELECT TO WORK ON SATURDAY, SUNDAYS OR HOLIDAYS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING OVERTIME CHARGES FOR THE OWNER'S PERSONNEL INVOLVED. THESE CHARGES WILL BE AT COST AND WILL BE CALCULATED EITHER AT TIME AND A HALF OR DOUBLE TIME, AS APPLICABLE TO THE PARTICULAR DAY BEING WORKED. PRE-APPROVAL SHALL BE OBTAINED FROM THE ENGINEER OR ENGINEER'S REPRESENTATIVE BY COMPLETING AND SIGNING A OWNER'S FORM ENTITLED "CONSTRUCTION INSPECTORS OVERTIME COMPENSATION AUTHORIZATION", 48 HRS. PRIOR TO COMMENCING ANY OVERTIME WORK. ANY WORK DONE OUTSIDE THE STANDARD WORKDAY, WITHOUT PRIOR AUTHORIZATION, SHALL BE CONSIDERED UNAUTHORIZED WORK. THE CONTRACTOR IS REQUIRED TO PAY THE OVERTIME WAGES OF THE OWNER INSPECTORS THAT WORK OVERTIME MONDAYS THROUGH FRIDAYS AT TIME AND A HALF. THE CONTRACTOR IS RESPONSIBLE FOR THE OVERTIME WAGES OF THE OWNER INSPECTORS THAT WORK HOLIDAYS AT DOUBLE TIME. MINIMUM HOURS WILL BE BILLED TO CONTRACTOR FOR CALLOUTS OR FOR INSUFFICIENT NOTICE OF TWO (2) HOURS.

**CONCRETE MIX DESIGN**

\* CLARIFICATION: ALL CONCRETE USED ON THIS PROJECT SHALL CONTAIN A MINIMUM 4.5 SACKS OF CEMENTITIOUS MATERIAL PER CUBIC YARD OF CONCRETE. THE CEMENTITIOUS MATERIAL SHALL BE PORTLAND CEMENT OR A BLEND OF PORTLAND CEMENT AND FLY ASH. THE PERCENTAGE OF FLY ASH IN THE CEMENTITIOUS MATERIAL SHALL NOT EXCEED 23%. ALL CONCRETE WORK SHALL CONTAIN 1.5 POUNDS OF FIBER MESH PER CUBIC YARD.

\* ALL EXPOSED CONCRETE SURFACES SHALL BE TREATED WITH CURING COMPOUND RESIN BASE ASTM C 309 TYPE 2 WITH PIGMENTED TINT OF FUGITIVE DYE.

\* IN ADDITION TO THE ABOVE REQUIREMENTS, ALL CONCRETE SHALL TEST TO A MINIMUM 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. (OR AS SHOWN ON PLANS).

\* EXPANSION JOINTS WILL BE PLACED AT CURB RETURNS, INLETS AND AT THE END OF EACH POUR WITH INTERVALS NOT TO EXCEED 60 FT. JOINTS SHALL CONSIST OF 1/2" PRE-MOLDED EXPANSION JOINT MATERIAL WITH 3, 36" X 1/2" DOWELS, ONE END GREASED AND WRAPPED. CARE MUST BE TAKEN THAT DOWELS ARE STRAIGHT AND LAID PARALLEL WITH CURB AND NO CONCRETE PLUGS OR OTHER MATERIAL BE ALLOWED THROUGH THE DOWEL HOLES OR EXPANSION MATERIAL WHICH WOULD PREVENT THE JOINT FROM OPERATION AS AN EXPANSION JOINT. EXPANSION JOINT MATERIALS SHALL BE PRE-MOLDED ASPHALT IMPREGNATED EXPANSION JOINT MATERIAL CONFORMING WITH ASTM D 994 ( NOT WOOD FIBER TYPE )

\* DUMMY JOINTS (SAW CUT JOINTS) SHALL BE 2" DEEP AND PLACED AT MAXIMUM 15 FT. INTERVALS.

\* WHEN CONNECTING TO EXISTING CURB AND GUTTER, THE CONTRACTOR SHALL DRILL AND DOWEL TWO, # 6 X 16" TIE BARS A MINIMUM OF 6" DEEP INTO EXISTING CURB AND GUTTER SECTION.

**PAVING NOTES:**

**CRUSHED LIMESTONE:**

THE CRUSHED LIMESTONE MATERIALS SHALL BE AS SPECIFIED BY "ITEM 247 FLEXIBLE BASE TYPE A GRADE 1". TEXAS DEPARTMENT OF TRANSPORTATION, 2014 STANDARD SPECIFICATION FOR CONSTRUCTION OF HIGHWAYS, STREETS, AND BRIDGES SHALL MEET THE REQUIREMENTS AS FOLLOWS:

\* TYPE A MATERIAL SHALL BE CRUSHED STONE PRODUCED FROM OVERSIZE QUARRIED AGGREGATE, SIZED BY CRUSHING AND PRODUCED FROM A NATURALLY OCCURRING SINGLE SOURCE. CRUSHED GRAVEL OR UNCRUSHED GRAVEL SHALL NOT BE ACCEPTABLE FOR TYPE A MATERIAL. NO BLENDING OF SOURCES AND/OR ADDITIVE MATERIALS WILL BE ALLOWED IN TYPE A MATERIAL.

\* TRIAXIAL CLASS I: MINIMUM COMPRESSIVE STRENGTH, 45 AT OPSI LATERAL PRESSURE AND 175 AT 15 PSI LATERAL PRESSURE.

RETAINED ON SQUARE SIEVE NUMBER	PERCENT RETAINED
1-3/4" (44 MM)	0
7/8" (22.23 MM)	10-35
3/8" (9.5 MM)	30-50
NUMBER 4 (4.75 MM)	45-65
NUMBER 40 (0.425 MM)	70-85

MATERIAL PASSING THE NUMBER 40 SIEVE SHALL BE KNOWN AS "BINDER MATERIAL" AND SHALL MEET THE FOLLOWING REQUIREMENTS:

MAXIMUM LIQUID LIMIT ( LL )	= 35
MAXIMUM PLASTICITY INDEX ( PI )	= 10
WET BALL MILL (MAX)	= 40
CALIFORNIA BEARING RATIO (MIN)	= 100

ALL AGGREGATE RETAINED ON THE NUMBER 10 SIEVE SHALL BE COMPRISED OF ONLY CRUSHED LIMESTONE.

THE CONTRACTOR SHALL NOT PLACE CRUSHED LIMESTONE ON THE ROAD BED UNTIL THE ENGINEER HAS ACCEPTED THE SHAPED AND COMPACTED SUBGRADE.

THE CONTRACTOR MUST MAINTAIN THE ROAD BED FREE OF HOLES, RUTS AND DEPRESSIONS AND IN CONDITION TO RECEIVE THE CRUSHED LIMESTONE.

THE CONTRACTOR UPON REQUEST SHALL PROVIDE CERTIFICATION THAT THE MATERIAL SUPPLIED MEETS THE ABOVE REQUIREMENTS PRIOR TO DELIVERY TO THE JOB SITE. SAMPLES FOR TESTING OF THE MATERIAL MUST BE TAKEN PRIOR TO THE COMPACTION OPERATIONS.

**CRUSHED LIMESTONE: GRADE 3**

IF TYPE A, GRADE 1 CRUSHED LIMESTONE IS NOT AVAILABLE, CONTRACTOR MAY USE TXDOT 2014 SPECIFICATION ITEM 247, GRADE 3 FLEXIBLE BASE MATERIALS. (ALANZA BASE BY VULCAN OR APPROVED EQUAL)

**ACCEPTANCE, SAMPLING, AND TESTING OF BITUMINOUS MIXTURE ( COMPACTION )**

\* EXTRACTION AND GRADATION ANALYSIS: PER 500 TONS OR WHICHEVER IS GREATER.

\* DENSITY AND DEPTH TESTING: PER 500 FEET OF PAVING REPAIR. MINIMUM DENSITY ACCEPTED: 92% OF AVERAGE MAXIMUM THEORETICAL DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D 2041.

CORES OR SAWED SAMPLES TAKEN FROM THE PAVEMENT SHALL BE USED TO DETERMINE THE FIELD DENSITY. DENSITY OF THE CORED OR SAWED SAMPLES SHALL BE DETERMINED IN ACCORDANCE WITH ASTM 2725. THE SAME SPECIMEN SHALL BE USED FOR DETERMINING BOTH THE MAXIMUM THEORETICAL DENSITY AND THE FIELD DENSITY.

SPECIMENS TO BE USED FOR FIELD DENSITY DETERMINATION SHALL BE DONE USING HEAT. IF HEATING IS NECESSARY, THE SPECIMEN SHOULD BE HEATED TO THE LOWEST TEMPERATURE REQUIRED FOR PROPER PREPARATION OF THE SAMPLE; THE USE OF NUCLEAR FIELD DENSITY DETERMINATION SHALL NOT BE USED AS A BASIS FOR ACCEPTANCE WITH RESPECT TO DENSITY :

\* HVEEM STABILITY SHALL NOT BE LESS THAN 30%. STABILITY TEST SHALL BE TAKEN TWICE DAILY.

\* RETAINED STABILITY WHEN TESTED IN ACCORDANCE WITH ASTM D 1075 SHALL NOT BE <70%

\* NO MORE THAN 2 1/4" FINISHED THICKNESS HMAC PAVEMENT SHALL BE LAID AT ANY GIVEN TIME, UNLESS APPROVAL IS OBTAINED AHEAD BY THE OWNER / ENGINEER.

**LEGEND**

EXISTING		PROPOSED	
	POST		BANK LINE
	CLEANOUT		GRADE TO DRAIN SLOPE
	LIGHTPOLE		SWALE WITH DIRECTION
	DISTRIBUTION POWERPOLE		HATCH FOR REMOVAL ITEMS
	PALM TREE		2" HMAc PAVEMENT
	TREE		PROP. TOP OF SIDEWALK
	WATER VALVE		PROP. TOP OF CURB
	IRRIGATION CONTROL VALVE		PROP. FLOW LINE
	WATER BIB		PROP. FINISH GRADE
	FIRE HYDRANT		PROP. TOP OF PAVEMENT
	SPRINKLER		FINISH FLOOR ELEVATION
	MANHOLE	EXIST.	EXISTING
	MAILBOX	CONC.	CONCRETE
	SIGN	TYP.	TYPICAL
	TELEPHONE PEDESTAL	PROP.	PROPOSED
	ELECTRIC BOX	TEMP.	TEMPORARY
	ELECTRIC METER	O.C.E.W.	ON CENTER EACH WAY
	FLOOD LAMP	C-C	CENTER TO CENTER
	ELECTRICAL TRANSFORMER	R.O.W.	RIGHT-OF-WAY
	CABLE TV PEDESTAL	C.F.	CUBIC FEET
	UNDERGROUND TELEPHONE LINE	C.Y.	CUBIC YARDS
	UNDERGROUND ELECTRIC LINE	MIN.	MINIMUM
	OVERHEAD ELECTRIC DISTRIBUTION LINE	MAX.	MAXIMUM
	BANK LINE	INCL.	INCLUDING
	BANK LINE DESCRIPTION WITH ELEVATION	LF	LINEAR FEET
	BUILDING DESCRIPTION WITH ELEVATION	EL	ELEVATION
	CONCRETE DESCRIPTION WITH ELEVATION	MEP	MECHANICAL, ELECTRICAL & PLUMBING
	FLOW LINE DESCRIPTION WITH ELEVATION	HMAC	HOT MIX ASPHALT CONCRETE
	FINISH FLOOR DESCRIPTION WITH ELEVATION	W/	WITH
	GUTTER DESCRIPTION WITH ELEVATION	F.H.	FIRE HYDRANT
	PLANTER DESCRIPTION WITH ELEVATION	P.S.I.	POUNDS PER SQUARE INCH
	REINFORCED CONCRETE PIPE	A.D.A.	AMERICANS WITH DISABILITIES ACT
	SPOT ELEVATION		
	SIDEWALK DESCRIPTION WITH ELEVATION		
	CONCRETE		
	ASPHALT		
	DIRT ROAD		
	ELEVATION		

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TBPB REG No. F-4126  
TBPB REG No. 10005300



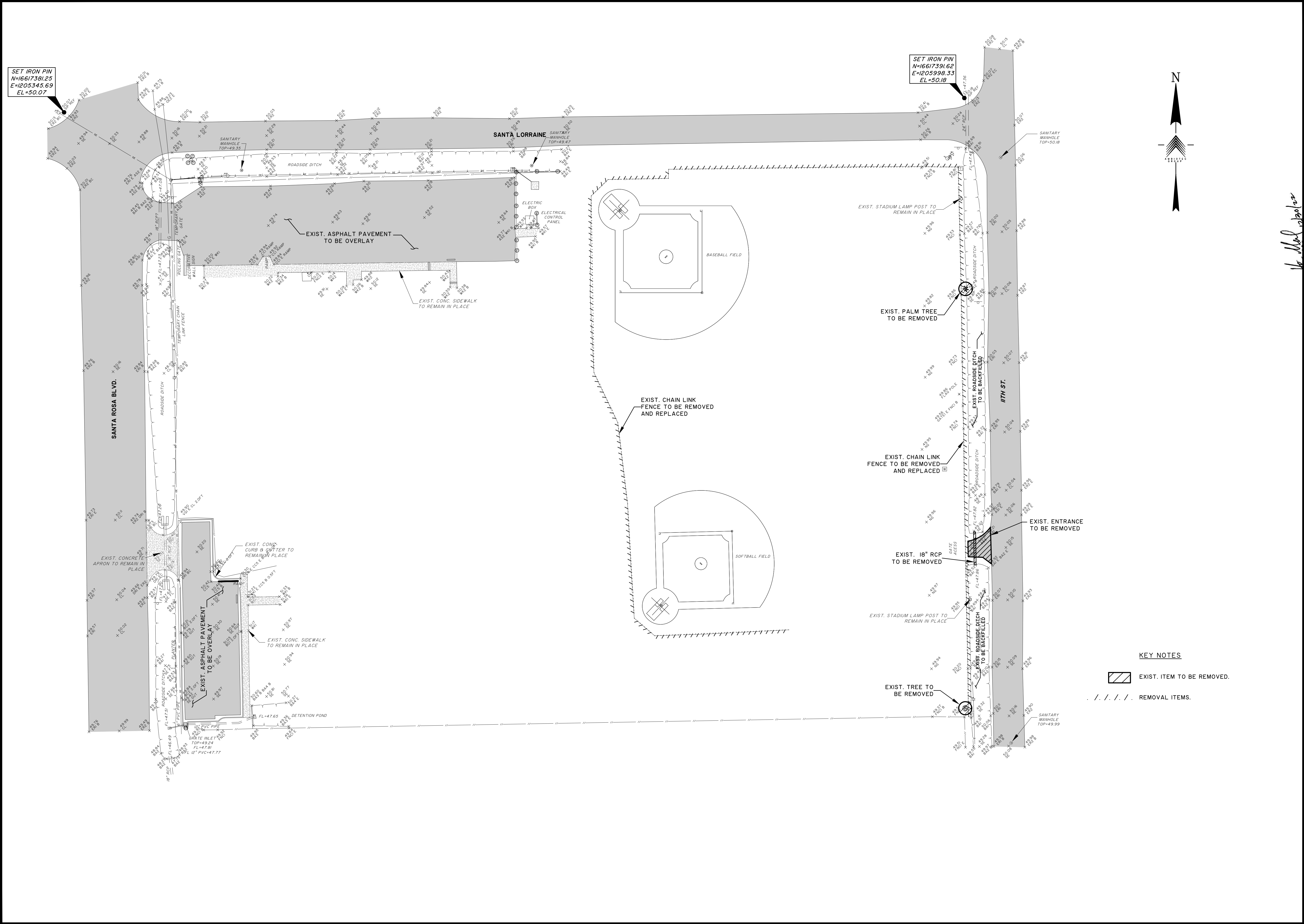
**PARK PARKING LOT IMPROVEMENTS**  
PREPARED FOR: CITY OF SANTA ROSA

**GENERAL NOTES**


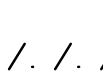
SCALE: N.T.S.	DATE: DEC 2022
DESIGN BY: K. SALDIVAR	
DRAWN BY: E. LUNA	
CHECKED BY: K. SALDIVAR	
APPROVED BY: V. MENDEZ	
PROJECT NO.: 3722	

13322 - Santa Rosa Park Parking Lot Improvements (S&E) - Eng - 08/20/2022 (V.M.)  
 09/29/2023 - 2:44 PM

13722 - Santa Rosa Park Parking Lot Improvements Using Existing Site - Demolition Plan.dwg  
DATE: 09-20-2023 - 2:41pm



**KEY NOTES**

-  EXIST. ITEM TO BE REMOVED.
-  REMOVAL ITEMS.

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TBPB REG No. 10005300



*V. Mendez*  
**PARK PARKING LOT IMPROVEMENTS**  
PREPARED FOR: CITY OF SANTA ROSA

**EXISTING SITE/DEMOLITION PLAN**

SCALE: 1"=30'	DATE: DEC 2022
DESIGN BY: K. SALDIVAR	
DRAWN BY: E. LUNA	
CHECKED BY: K. SALDIVAR	
APPROVED BY: V. MENDEZ	
PROJECT NO.: 3722	



V:\3722 - Santa Rosa Park Parking Lot Improvements\3722 - Santa Rosa Park Parking Lot Improvements\3722 - Santa Rosa Park Parking Lot Improvements.dwg  
 User: gomez, mendez  
 Date: 12/22/22  
 Time: 2:41pm

**LEGEND**

- ➔ PROP. WATER RUNOFF FLOW
- ➔ EXIST. WATER RUNOFF FLOW
- CONSTRUCTION ZONE LIMITS
- PROP. EROSION CONTROL DEVICE (SILT FENCE OR EROSION CONTROL LOG)
- ▨ CONSTRUCTION ENTRANCE/EXIT
- ▨ PROP. STAGING AND STOCKPILE AREA

THIS PROPERTY LIES WITHIN FLOOD ZONE "X" (AREA OF MINIMAL FLOOD HAZARD), AS PER THE F.I.A. FLOOD INSURANCE RATE MAP OF COMMUNITY NO. 48061C, PANEL 0100, SUFFIX "F", EFFECTIVE FEBRUARY 16, 2018

**NATURE OF CONSTRUCTION ACTIVITY**

- \* CONSTRUCTION OF A PARKING LOT
- \* OVERLAY OF EXISTING 2 PARKING LOTS

**SEQUENCE OF MAJOR ACTIVITIES**

- \* DEMOLITION
- \* CLEARING & GRUBBING
- \* SITE GRADING
- \* INSTALLATION OF SUBGRADE FOR PARKING LOT
- \* INSTALLATION OF ASPHALTIC PAVEMENT
- \* OVERLAY OF EXISTING 2 PARKING LOTS
- \* PARKING LOT STRIPPING

**AREA OF SITE**

- \* TOTAL AREA OF DISTURBANCE: 1.14 ACRES

**ESTIMATED RUNOFF COEFFICIENT**

- \* PRE-CONSTRUCTION C "0.50 RECREATIONAL LAND USE
- \* POST-CONSTRUCTION C "0.51 RECREATIONAL LAND USE

**SOIL DESCRIPTION:**

- \* RAYMONDVILLE CLAY LOAM AND HIDALGO SANDY CLAY LOAM

**SITE PLAN SHOWS THE FOLLOWING:**

- \* GENERAL DRAINAGE PATTERNS (PROPOSED)
- \* FOR EXISTING DRAINAGE PATTERN SEE THIS SHEET
- \* AREAS OF SOIL DISTURBANCE
- \* LOCATIONS OF MAJOR STRUCTURAL / NON-STRUCTURAL CONTROLS
- \* LOCATIONS WHERE STABILIZATION PRACTICES ARE TO OCCUR

**NAME OF RECEIVING WATERS**

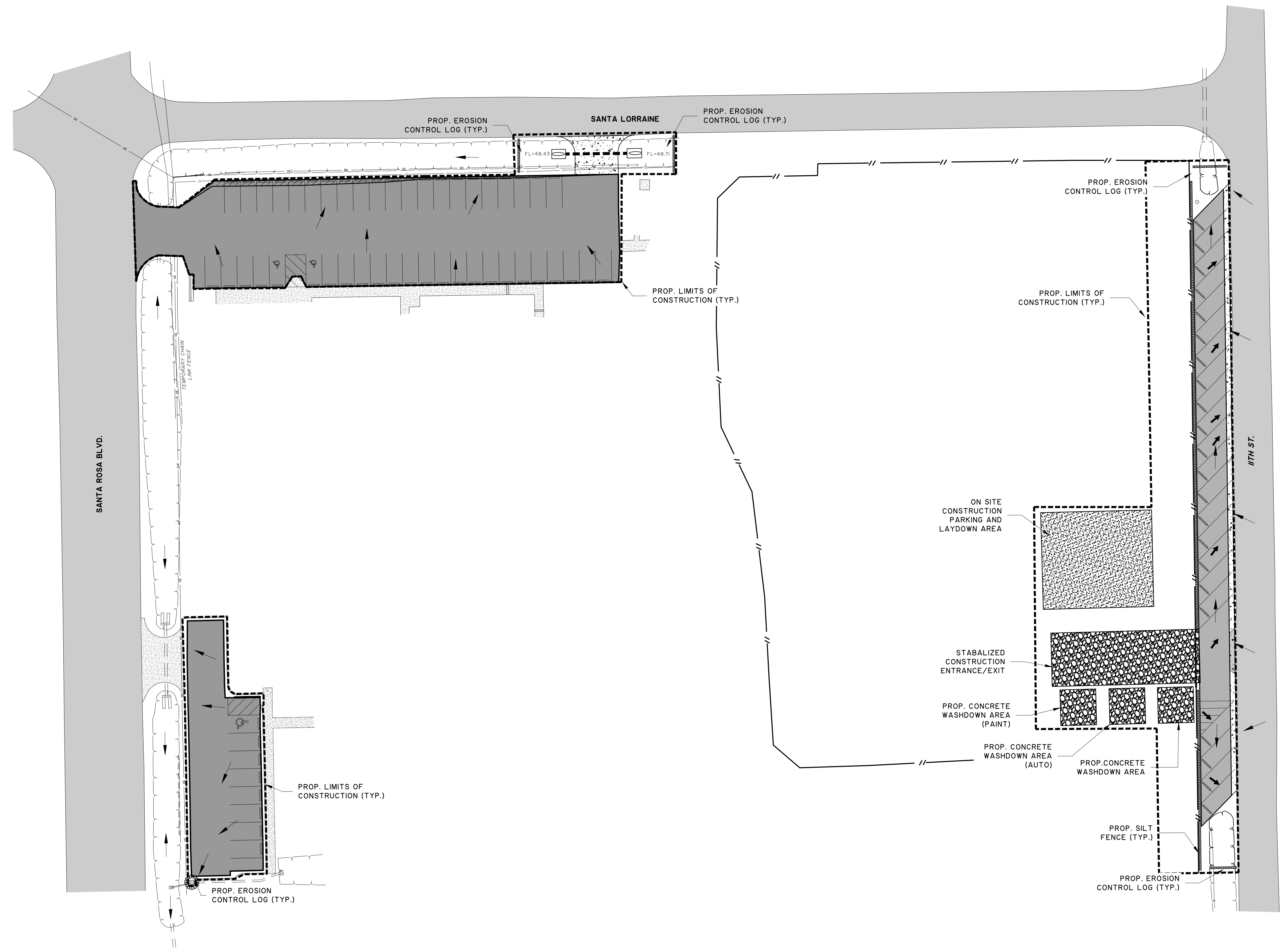
- \* C.C.D.D. #6

**BMP'S TO BE IMPLEMENTED**

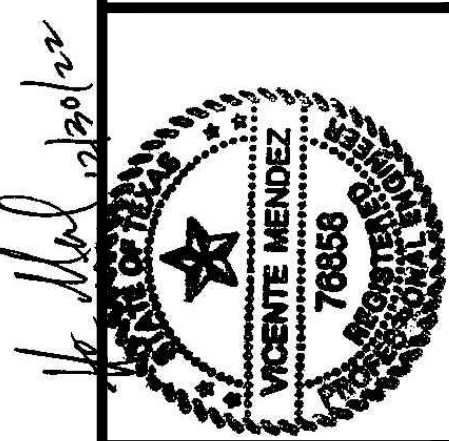
- \* DURING CONSTRUCTION, SILT FENCING OR EROSION SEDIMENT TRAPS SHALL BE ERRECTED AND MAINTAINED WHERE SHOWN TO MINIMIZE ESCAPE OF SEDIMENT INTO STORM SEWER SYSTEM.

**WETLANDS**

- \* THERE ARE NO WETLANDS IN THE AREA



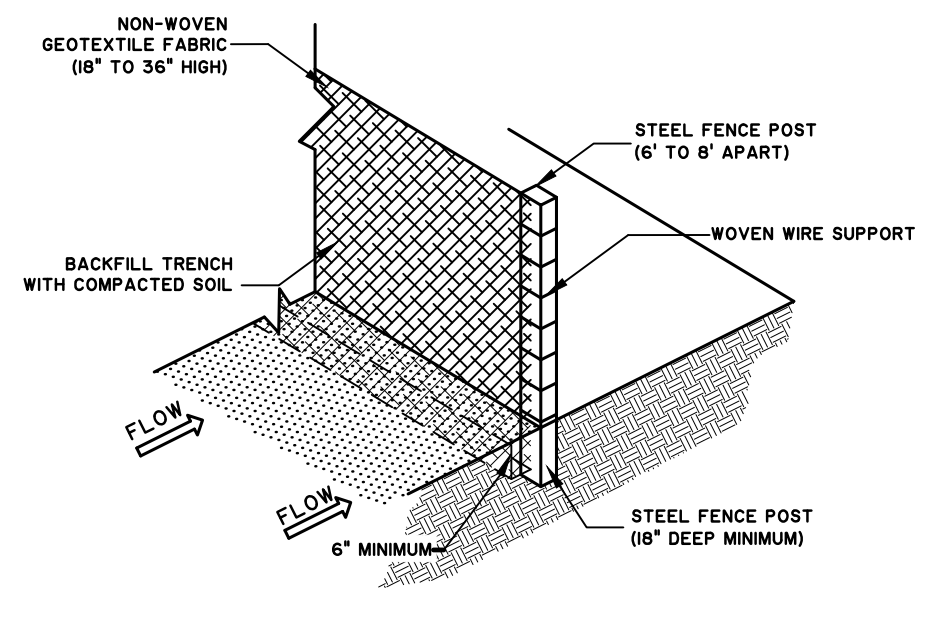
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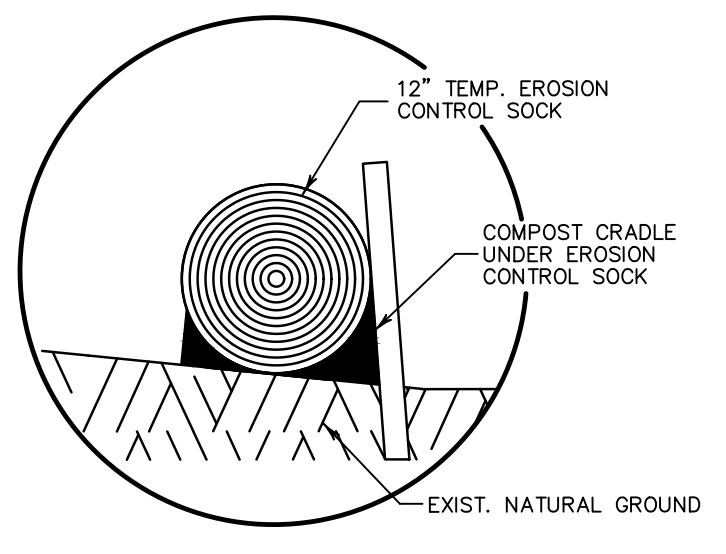
PARK PARKING LOT IMPROVEMENTS  
 PREPARED FOR: CITY OF SANTA ROSA

**MINIMUM SUGGESTED EROSION CONTROL PLAN**

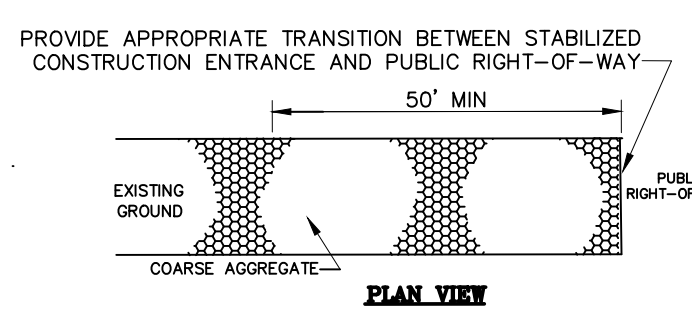
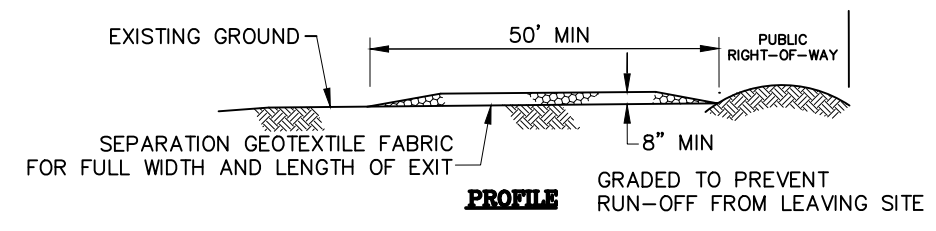
SCALE: 1"=30'	DATE: DEC 2022	DESIGN BY: K. SALDIVAR	DRAWN BY: E. LUNA
		CHECKED BY: K. SALDIVAR	APPROVED BY: V. MENDEZ
		PROJECT NO.: 3722	



**SILT FENCE DETAIL**  
NTS



**COMPOST CRADLE**  
NTS

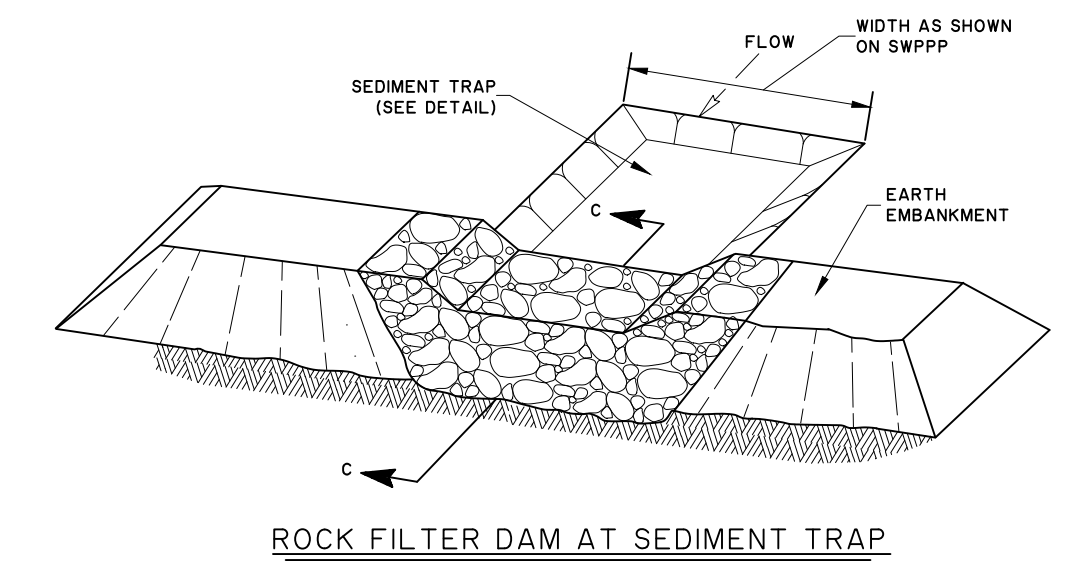


- CONSTRUCTION NOTES:**
1. LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
  2. THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
  3. WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
  4. STABILIZATION FOR OTHER AREAS SHALL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
  5. STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
  6. STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.

**STABILIZED CONSTRUCTION EXIT**  
NTS

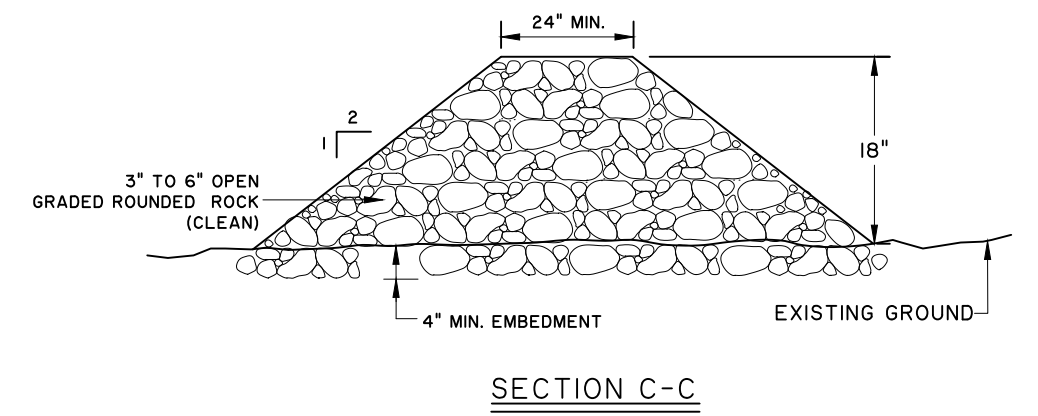
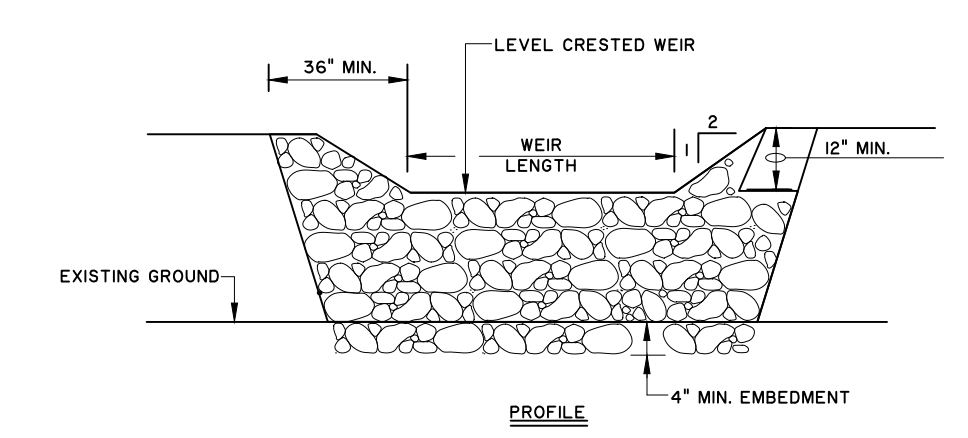
**TEMPORARY STABILIZATION**

ANY AREA LEFT DISTURBED FOR MORE THAN 21 DAYS SHALL BE TEMPORARILY REVEGETATED WITH SEED AT THE DIRECTION OF THE ENGINEER.

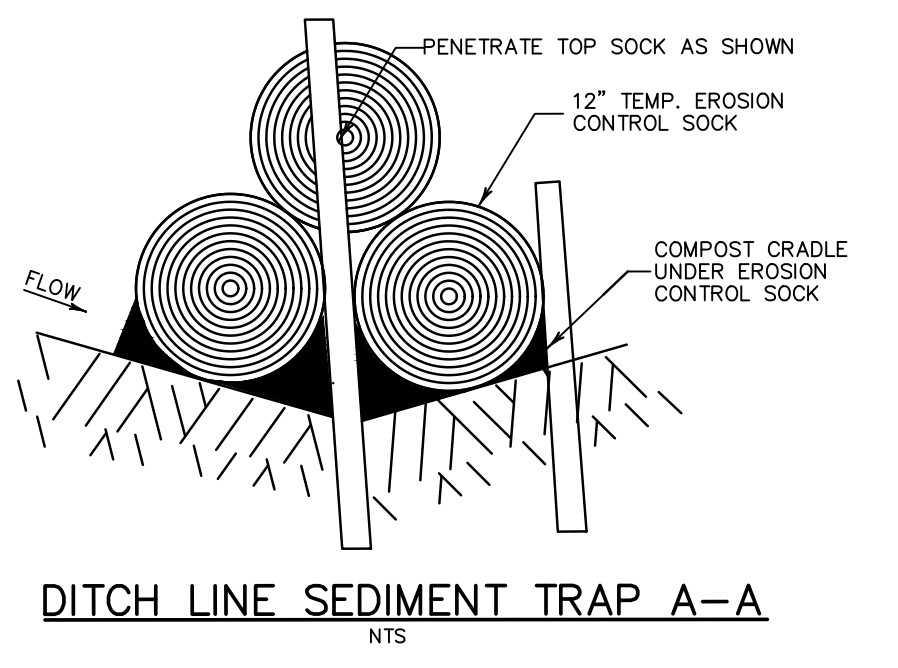


**TYPICAL SEDIMENT TRAP W/ ROCK FILTER DETAIL**  
NTS

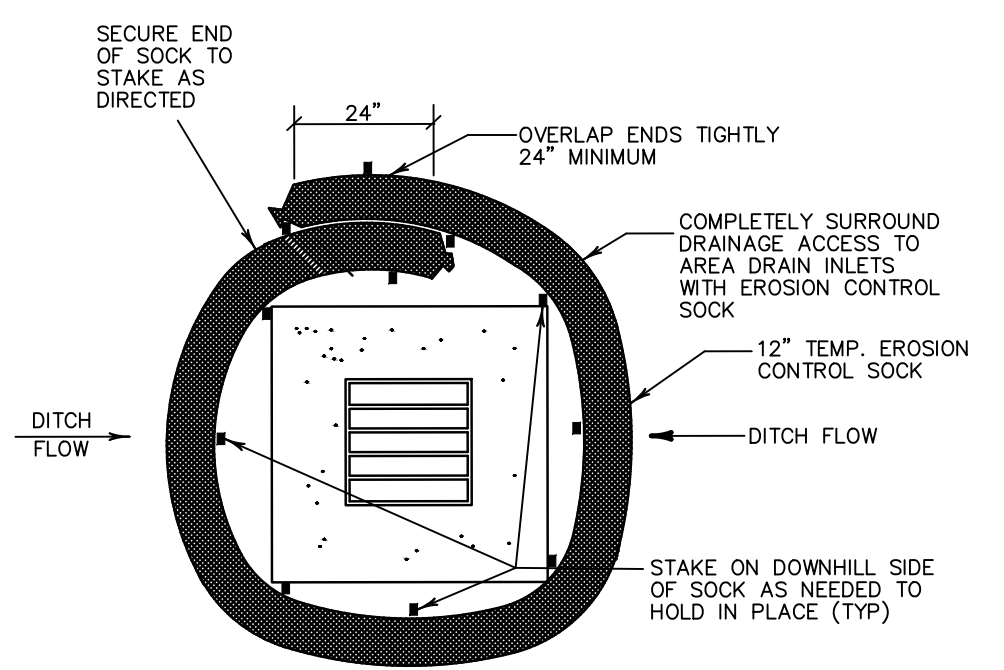
- SEDIMENT TRAP NOTES:**
1. THE TRAP SHOULD BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 1/2 OR THE SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1', WHICHEVER IS LESS.
  2. CLEANING AND REMOVAL OF ACCUMULATED SEDIMENT DEPOSITS IS INCIDENTAL AND WILL NOT BE PAID FOR SEPARATELY.



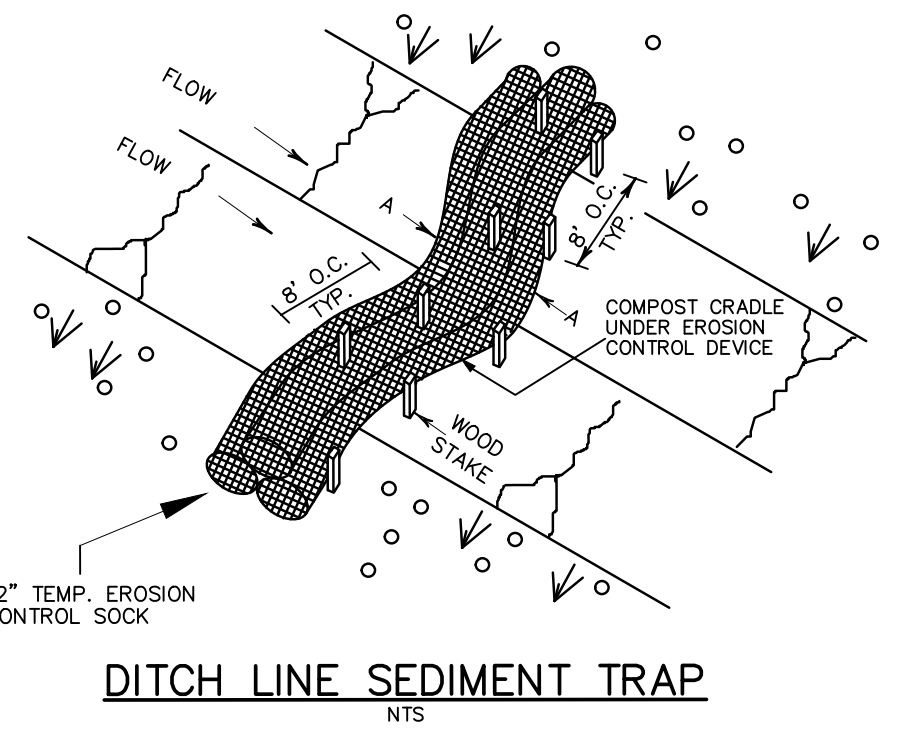
- ROCK FILTER DAM NOTES:**
1. MAINTAIN A MINIMUM OF 1' BETWEEN TOP OF ROCK FILTER DAM WEIR AND TOP OF EMBANKMENT FOR FILTER DAMS AT SEDIMENT TRAPS.
  2. FILTER DAMS SHOULD BE EMBEDDED A MINIMUM OF 4' INTO EXISTING GROUND.
  3. FLOW OUTLET SHOULD BE ONTO A STABILIZED AREA (VEGETATION, ROCK, ETC.).



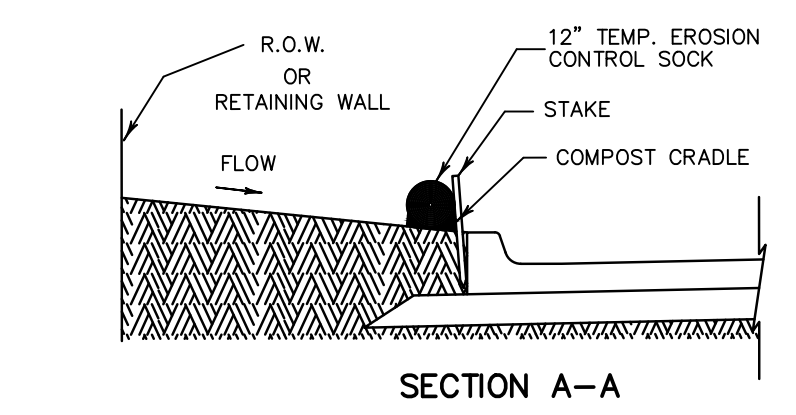
**DITCH LINE SEDIMENT TRAP A-A**  
NTS



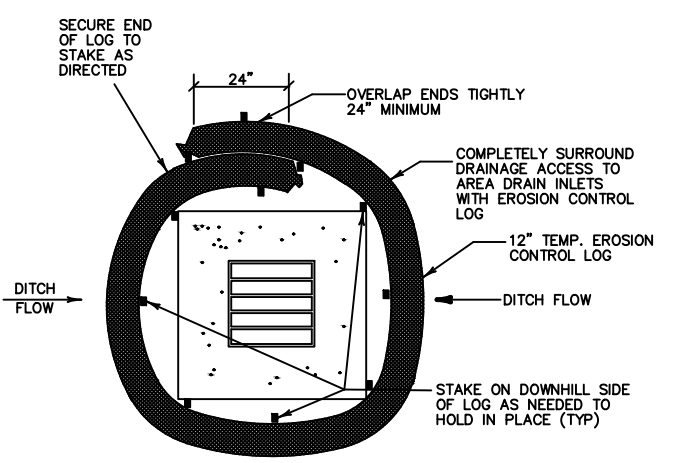
**TYPE 'C' INLET SEDIMENT TRAP**  
NTS



**DITCH LINE SEDIMENT TRAP**  
NTS



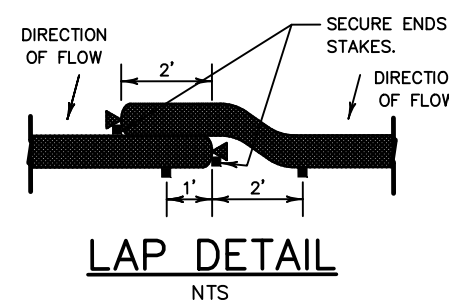
**BACK OF CURB INLET SEDIMENT TRAP**  
NTS



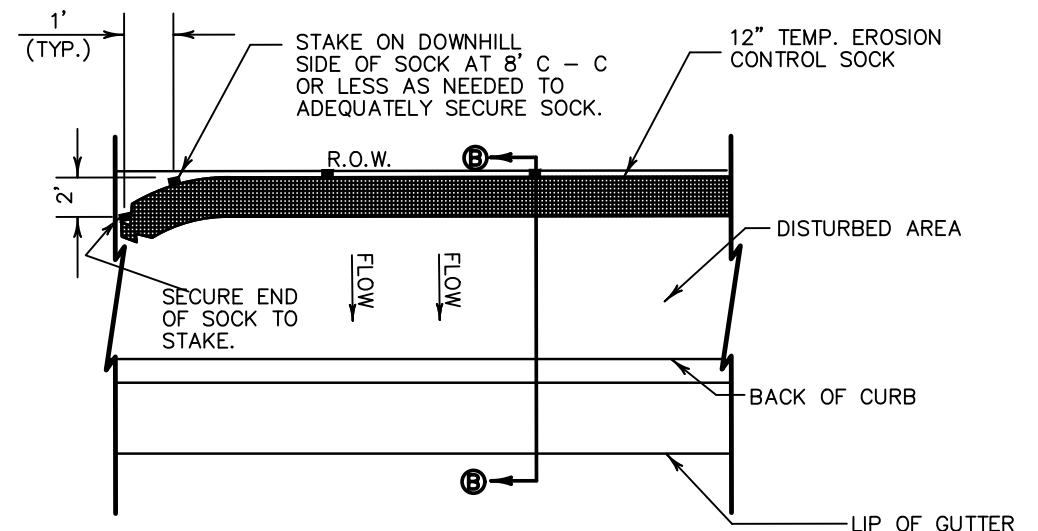
**DROP INLET SEDIMENT TRAP**  
NTS

**SEDIMENT BASIN & TRAP USAGE GUIDELINES**

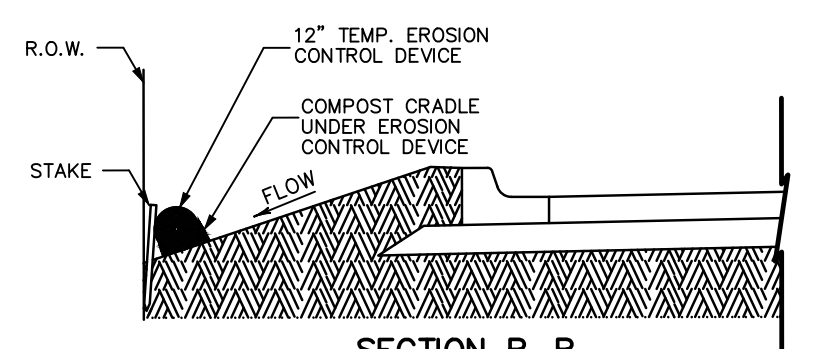
- A SEDIMENT TRAP MAY BE USED TO PRECIPITATE SEDIMENT OUT OF RUNOFF DRAINING FROM AN UNSTABILIZED AREA.
- TRAPS:** THE DRAINAGE AREA FOR A SEDIMENT TRAP SHOULD NOT EXCEED 5 ACRES; THE TRAP CAPACITY SHOULD BE 1500 CF/ACRE (0.5' OVER THE DRAINAGE AREA).
- SEDIMENT TRAPS SHOULD BE PLACED IN THE FOLLOWING LOCATIONS:**
1. IMMEDIATELY PRECEDING DRAIN INLETS
  2. JUST BEFORE THE DRAINAGE ENTERS A WATER COURSE
  3. JUST BEFORE THE DRAINAGE LEAVES THE RIGHT OF WAY
  4. JUST BEFORE THE DRAINAGE LEAVES THE CONSTRUCTION LIMITS WHERE DRAINAGE FLOWS AWAY FROM THE PROJECT
- THE TRAP SHOULD BE CLEANED WHEN THE CAPACITY HAS BEEN REDUCED BY 1/2 OR THE SEDIMENT HAS ACCUMULATED TO A DEPTH OF 1', WHICHEVER IS LESS. CLEANING AND REMOVAL OF ACCUMULATED SEDIMENT DEPOSITS IS INCIDENTAL AND WILL NOT BE PAID FOR SEPARATELY.



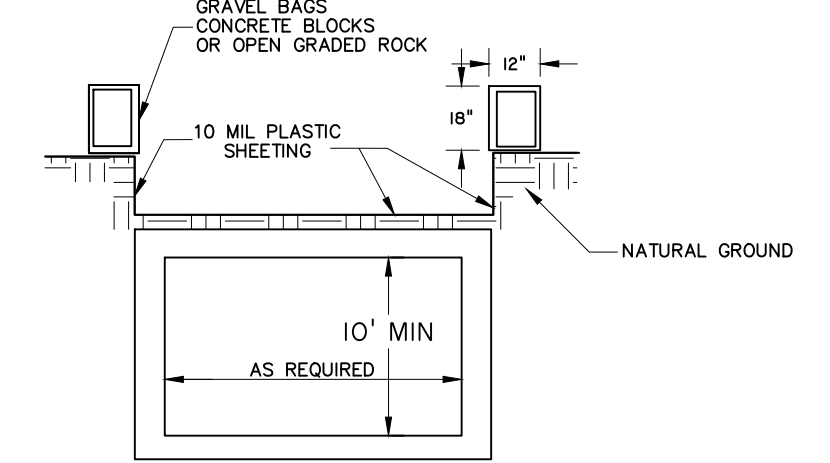
**LAP DETAIL**  
NTS



**PLAN VIEW**  
NTS

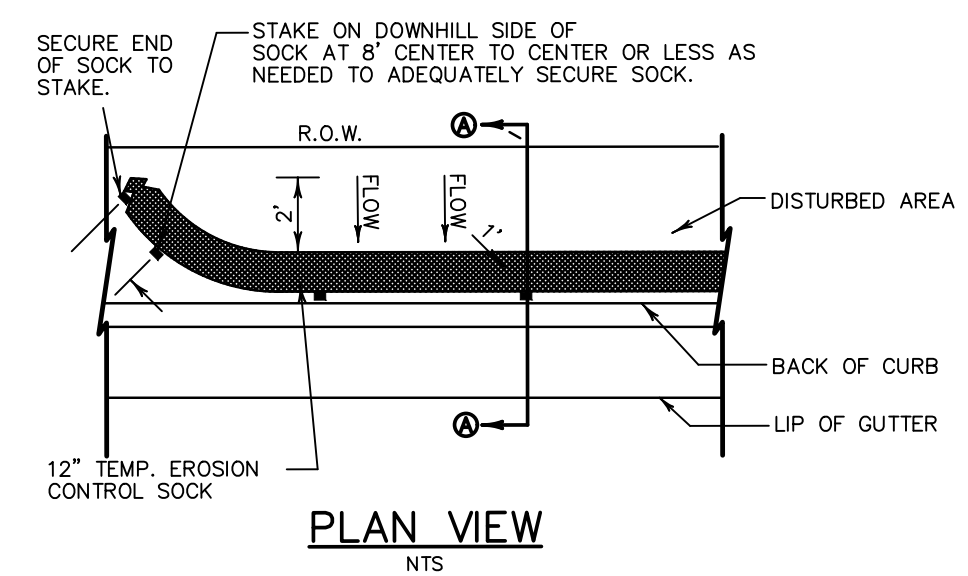


**SECTION B-B**  
**RIGHT-OF-WAY SEDIMENT TRAP**  
NTS

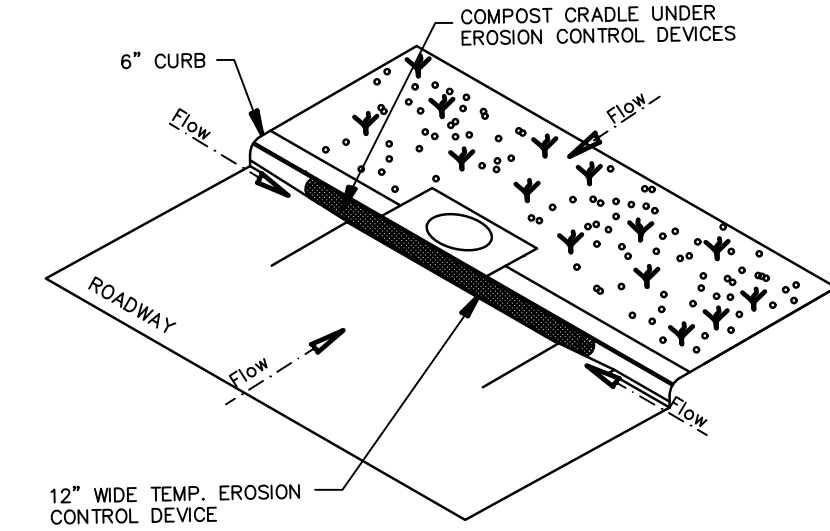


**CONCRETE WASH OUT DETAIL**  
NTS

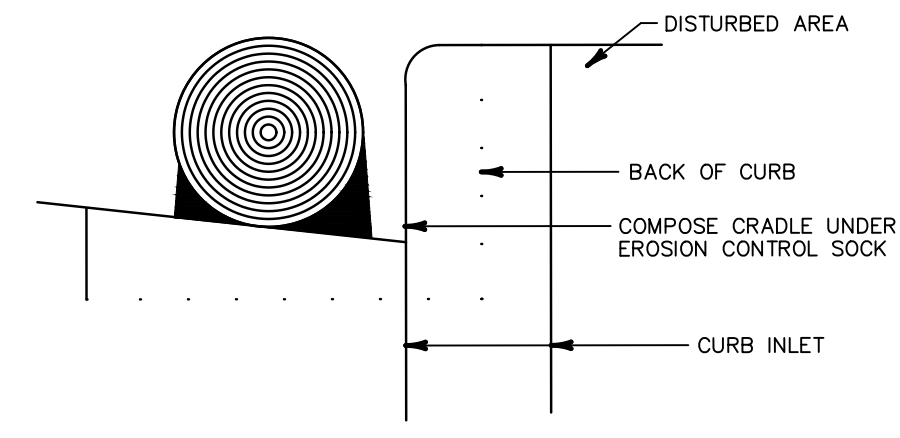
1. THE EXCAVATION FOR THE CONCRETE TRUCK WASHOUT SHALL BE A MINIMUM OF 10 FEET WIDE AND OF SUFFICIENT LENGTH AND DEPTH TO ACCOMMODATE 7 GALLONS OF WASHOUT WATER AND CONCRETE PER TRUCK PER DAY AND/OR 50 GALLONS OF WASHOUT WATER AND CONCRETE PER PUMP TRUCK PER DAY.
2. IN THE EVENT THAT THE CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND, IT SHALL BE 10 FEET WIDE AND 10 FEET LONG, WITH THE SAME REQUIREMENTS FOR CONTAINMENT AS DESCRIBED IN ITEM 1.
3. THE CONTAINMENT AREA SHALL BE LINED WITH 10 MIL PLASTIC SHEETING WITHOUT HOLES OR TEARS, WHERE THERE ARE SEAMS, THESE SHALL BE SECURED ACCORDING TO MANUFACTURERS' DIRECTIONS.
4. THE BERM CONSISTING OF GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE NO LESS THAN 18 INCHES HIGH AND NO LESS THAN 12 INCHES WIDE.
5. THE PLASTIC SHEETING SHALL BE OF SUFFICIENT SIZE SO THAT IT WILL OVERLAP THE TOP OF THE CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK AT LEAST 2 TIMES.
6. THE GRAVEL BAGS OR CONCRETE BLOCK SHALL BE PLACED ABUTTING EACH OTHER TO FORM A CONTINUOUS BERM AROUND THE OUTER PERIMETER OF THE CONTAINMENT AREA.
7. THE WASHOUT MATERIAL IN THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF CAPACITY AT ANY TIME.
8. SOLIDS SHALL BE REMOVED FROM CONTAINMENT AREA AND DISPOSED OF PROPERLY. ANY DAMAGE TO THE PLASTIC SHEETING SHALL BE REPAIRED OR SHEETING REPLACED BEFORE THE NEXT USE.



**PLAN VIEW**  
NTS



**CURB INLET SEDIMENT TRAP**  
NTS



**GENERAL NOTES**

1. LENGTHS OF EROSION CONTROL SOCKS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED. MAXIMUM LENGTH OF SOCKS SHALL BE 30' FOR 12\"/>
- 2. UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE SOCK WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
- 3. STUFF SOCKS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION.
- 4. STAKES SHALL BE 2\"/>
- 5. COMPOST CRADLE MATERIAL IS INCIDENTAL AND WILL NOT BE PAID FOR SEPARATELY.

**AMBIOTEC**  
CIVIL ENGINEERING GROUP, INC.  
5420 Paradise Lane Road  
Brownsville, Texas 78826  
Tel: (361)546-9399  
Fax: (361)546-9353  
TBPB FIRM No. F-4126  
TBPB REG. No. 10005300



**PARK PARKING LOT IMPROVEMENTS**

**MINIMUM SUGGESTED EROSION CONTROL DETAILS**

SCALE: N.T.S.	DATE: DEC. 2022
DESIGN BY: K. SALDIVAR	
DRAWN BY: E. LUNA	
CHECKED BY: K. SALDIVAR	
APPROVED BY: V. MENDEZ	
PROJECT NO.: 3722	

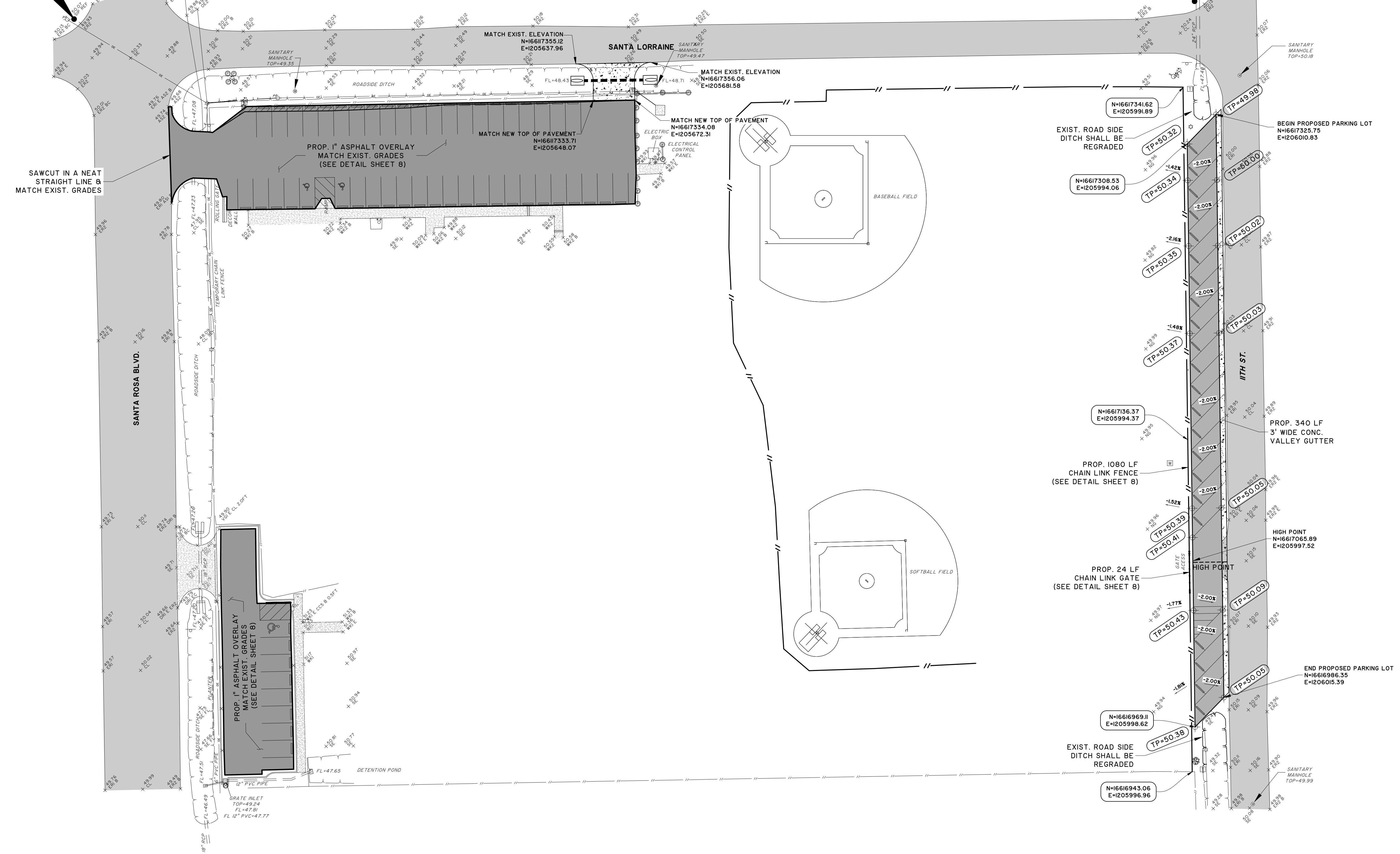




13/222 - Santa Rosa Park Parking Lot Improvements Using EarthSaver Grading Technology  
 Date: 09/22/2023 - 2:45pm

SET IRON PIN  
 N=16617381.25  
 E=1205345.69  
 EL=50.07

SET IRON PIN  
 N=16617391.62  
 E=1205998.33  
 EL=50.18



*V. Mendez*



**PARK PARKING LOT IMPROVEMENTS**  
 PREPARED FOR: CITY OF SANTA ROSA

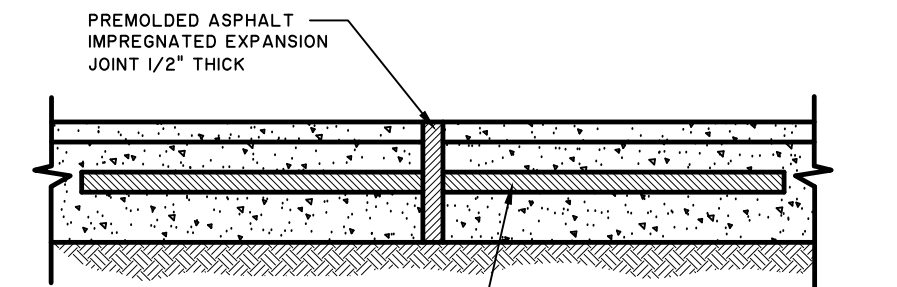
**GRADING PLAN**

SCALE: 1"=30'	DATE: DEC. 2022
DESIGN BY: K. SALDIVAR	
DRAWN BY: E. LUNA	
CHECKED BY: K. SALDIVAR	
APPROVED BY: V. MENDEZ	
PROJECT NO.: 3722	

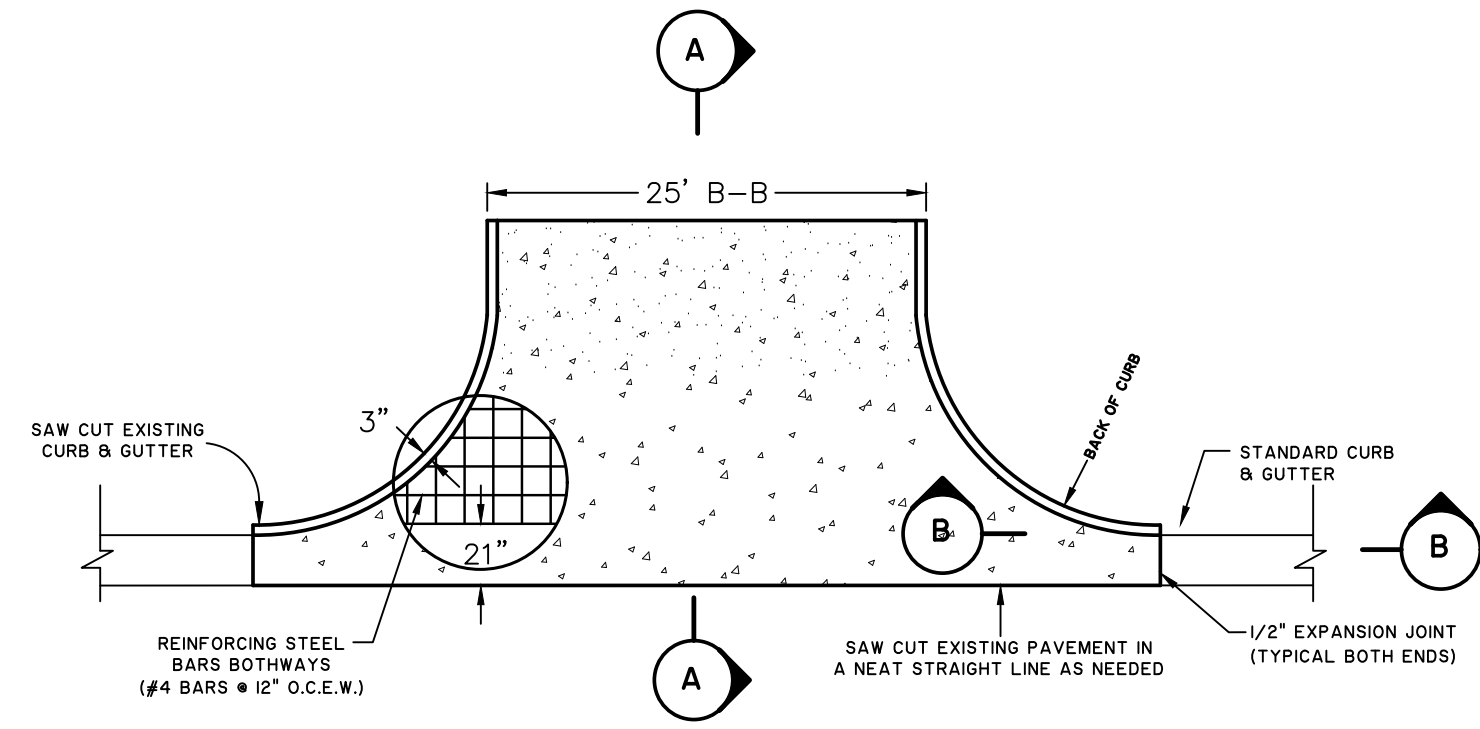
SHEET  
**7**  
 OF 08

**AMBIOTEC**  
 CIVIL ENGINEERING GROUP, INC.  
 5420 Pamela Line Road  
 Brownsville, Texas 78826  
 Tel: (361)546-9399  
 Fax: (361)546-9333  
 TPLS REG. No. F-4126  
 TPLS REG. No. 10005300

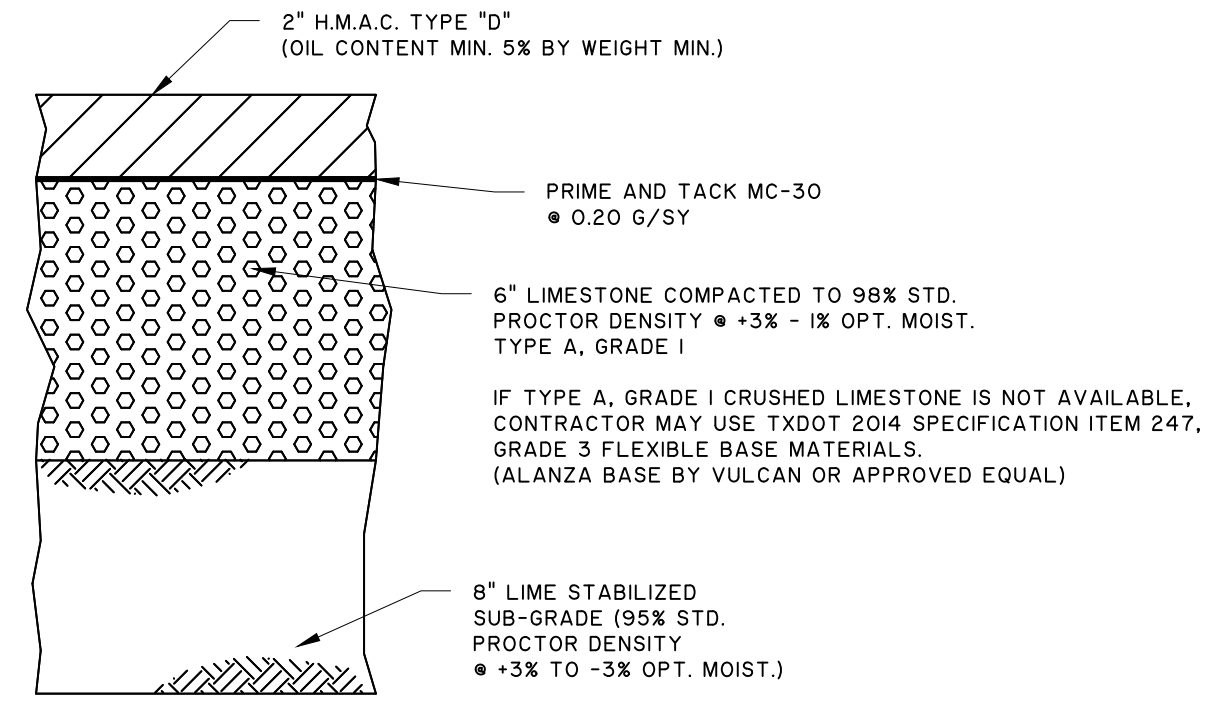




**SECTION "B-B"**  
N.T.S.

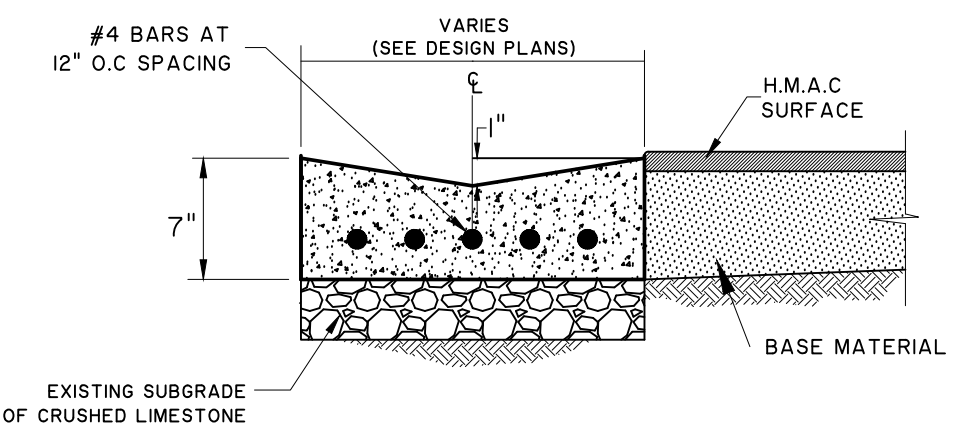


**TYPICAL STREET CONCRETE APRON APPROACH**  
N.T.S.

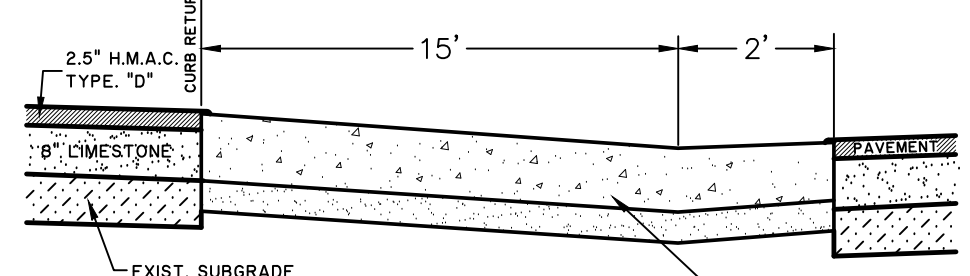


**TYPICAL PAVEMENT SECTION**  
N.T.S.

**NOTE:**  
CONCRETE SHALL BE CLASS "A" WITH A COMPRESSIVE STRENGTH @ 28 DAYS WITH 1.5 LBS/CY "FIBERMESH" OR CURBS SHALL BE BACKFILLED IMMEDIATELY AFTER REMOVAL OF FORMS TO PREVENT TITLING. 2" DEEP DUMMY JOINTS 10' O.C. MAX.



**VALLEY GUTTER**  
N.T.S.



**SECTION "A-A"**  
N.T.S.

**AMBIOTEC**  
CIVIL ENGINEERING GROUP, INC.  
5420 Paradise Lane, Suite 1852  
Brownsville, Texas 78526  
Tel: (361)546-9399  
Fax: (361)546-9333  
TBPB FIRM No. F-4126  
TPLS REG No. 10005300

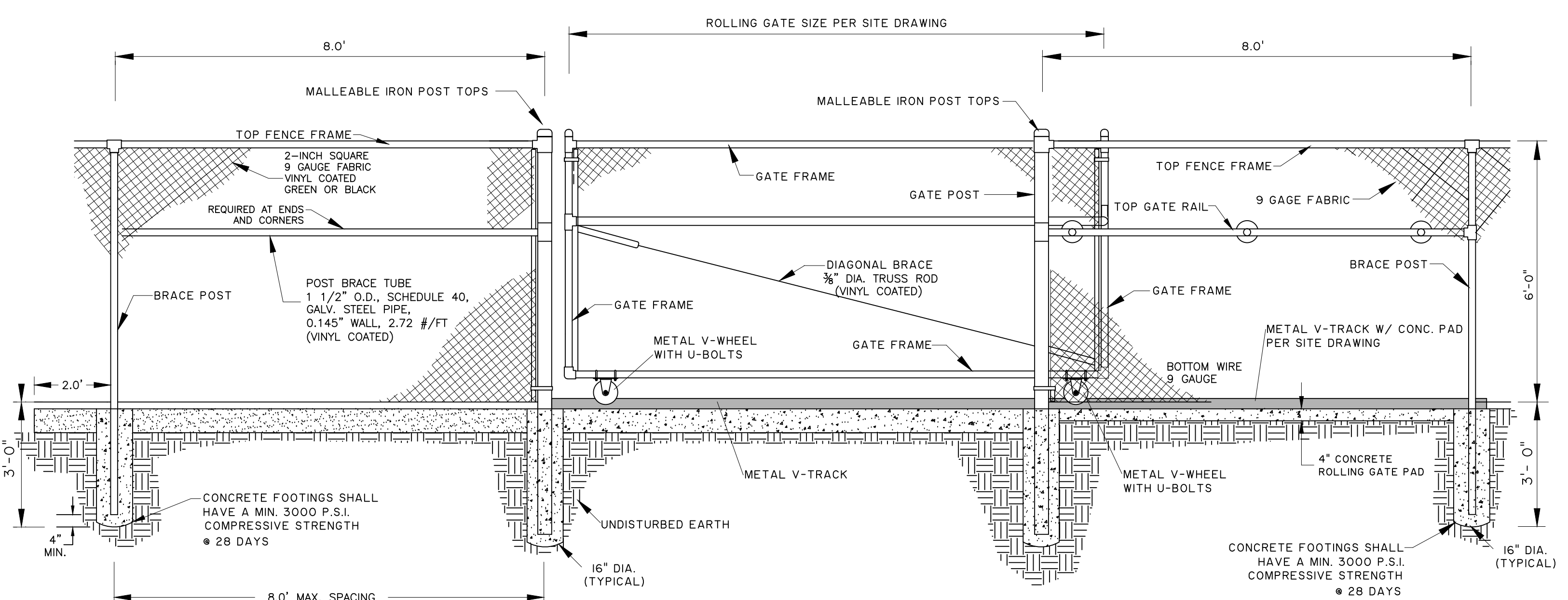


**PARK PARKING LOT IMPROVEMENTS**  
PREPARED FOR: CITY OF SANTA ROSA

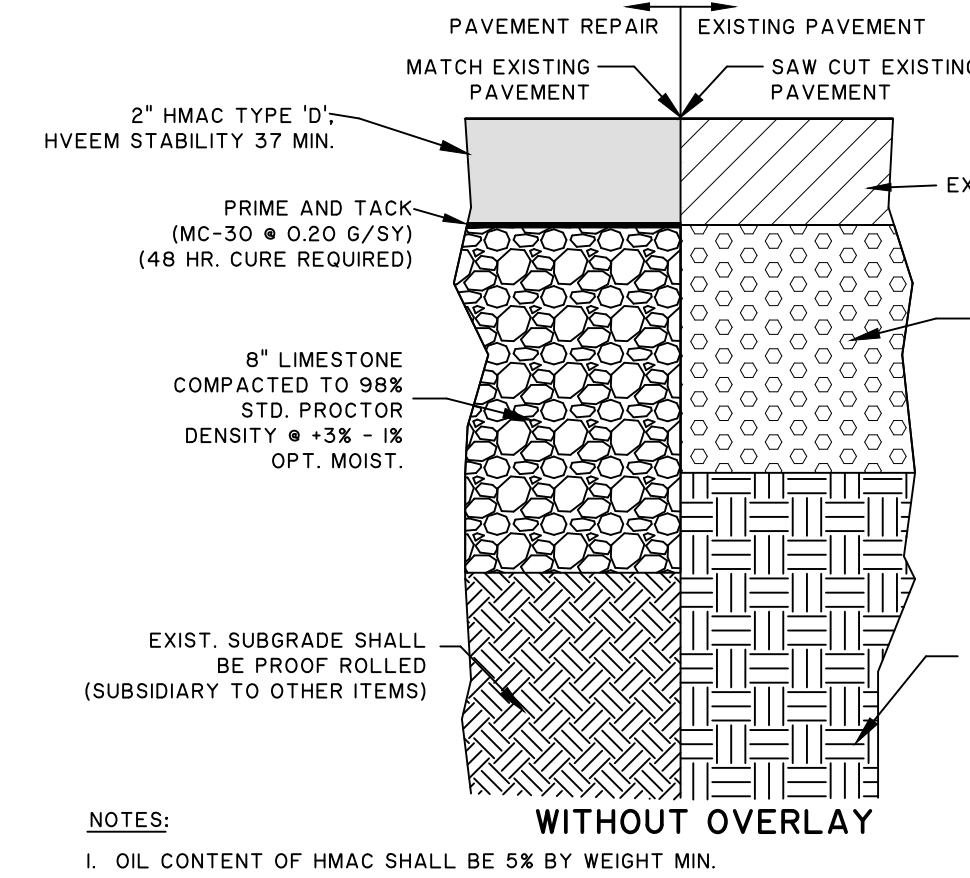
**DETAILS**

SCALE: N.T.S. DATE: DEC 2022  
DESIGN BY: K. SALDIVAR  
DRAWN BY: E. LUNA  
CHECKED BY: K. SALDIVAR  
APPROVED BY: V. MENDEZ  
PROJECT NO.: 3722

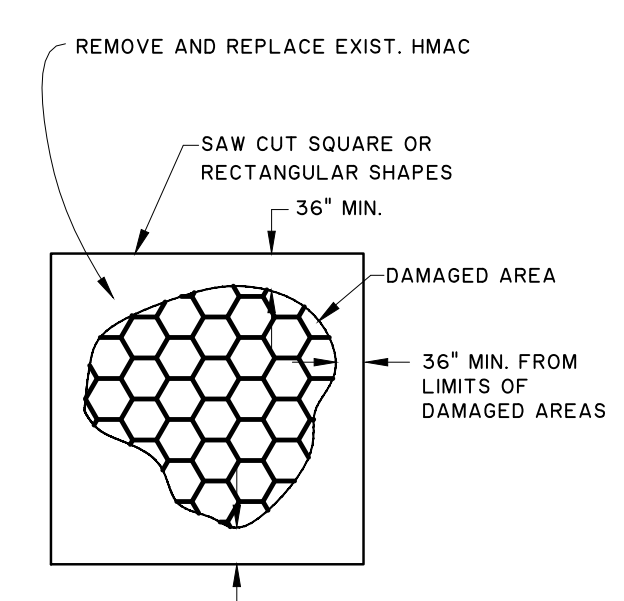
**SHEET**  
8  
OF 08



**6 FT. VINYL COATED CHAIN LINK FENCE W/ROLLING GATE**  
NOT TO SCALE



**PAVEMENT REPAIR DETAIL WITHOUT OVERLAY**  
N.T.S.



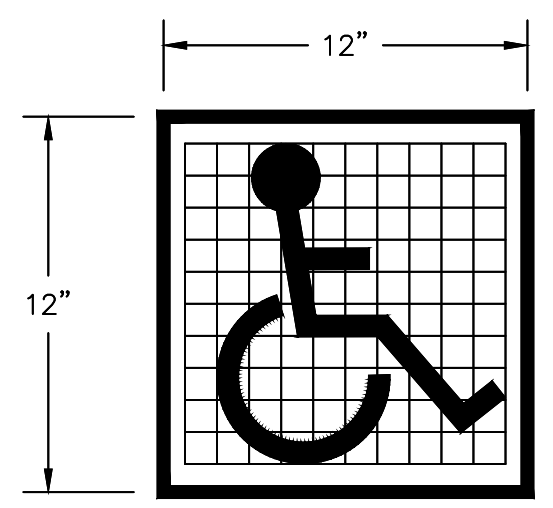
**PLAN VIEW**  
N.T.S.

**NOTES:**  
1. ALL PAVEMENT REPAIRS SHALL BE LOCATED IN THE PRESENCE OF THE ENGINEER OR ENGINEER'S REPRESENTATIVE.  
2. WHERE REPAIRS WILL NOT BE OVERLAD OR SEALED, CONTRACTOR SHALL SEAL JOINT BETWEEN NEW AND OLD ASPHALT WITH TX-DOT DMS-6310 CLASS 2 - TWO COMPONENT SYNTHETIC POLYMER, SELF LEVELING SEALANT.

**NOTE:**  
1. SIGNAGE TO BE DESIGNED AND CONSTRUCTED TO WITHSTAND WIND LOAD PRESSURES OF 35 PSF AS PER SOUTH PADRE ISLAND CITY ORDINANCE (CH. 15, SEC. 15-10)

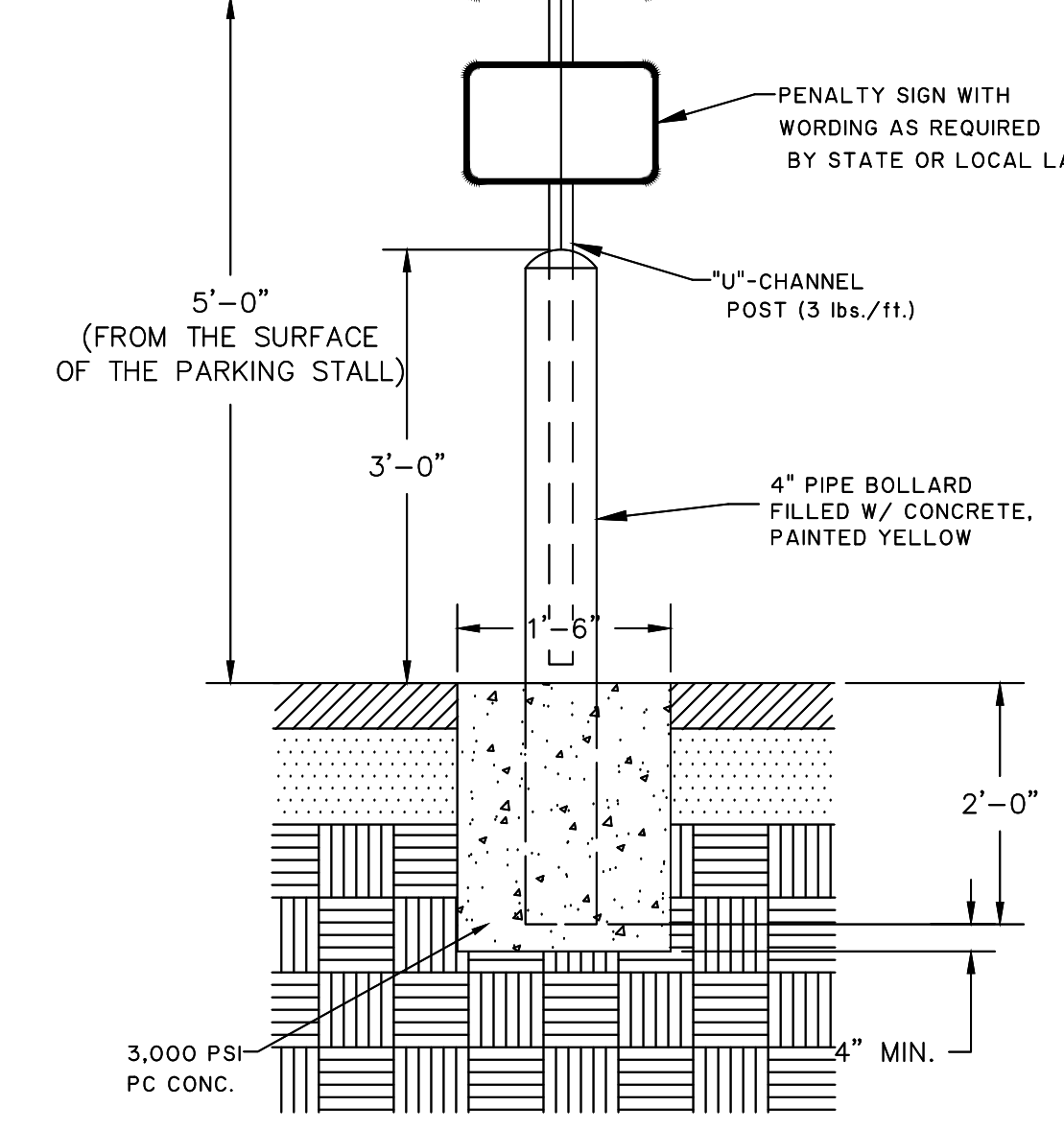


THIS SIGN TYPICAL AT ALL HANDICAP PARKING SPACES

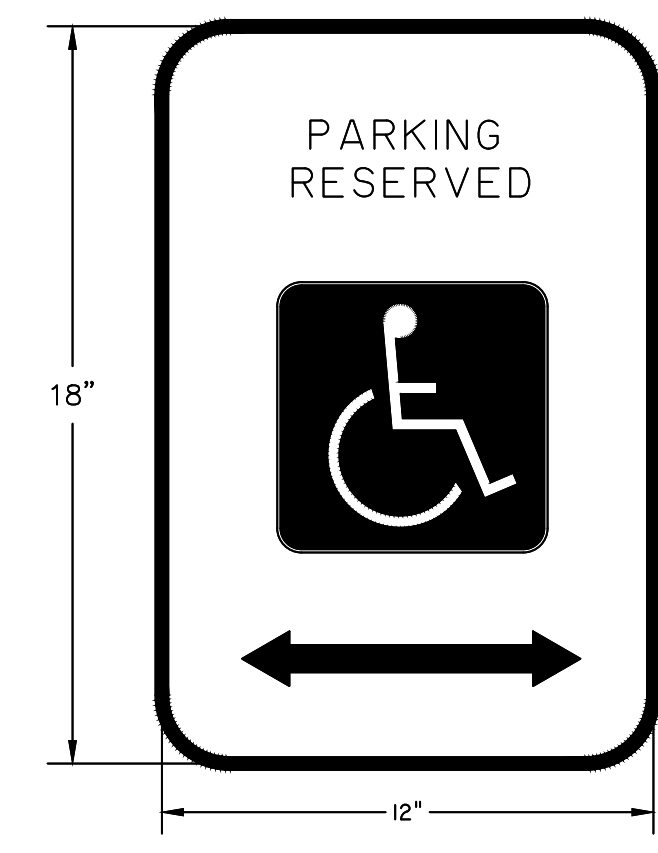


**NOTES:**  
1. ALL WALKWAYS, RAMPS, HANDICAP PARKING SIGNAGE, ETC. SHALL MEET APPROVED A.D.A. STANDARDS  
2. 2% MAX. SLOPE IN ALL DIRECTION IN AREAS OF HANDICAP PARKING SPACES

**SYMBOL OF ACCESSIBILITY DETAIL**  
N.T.S.

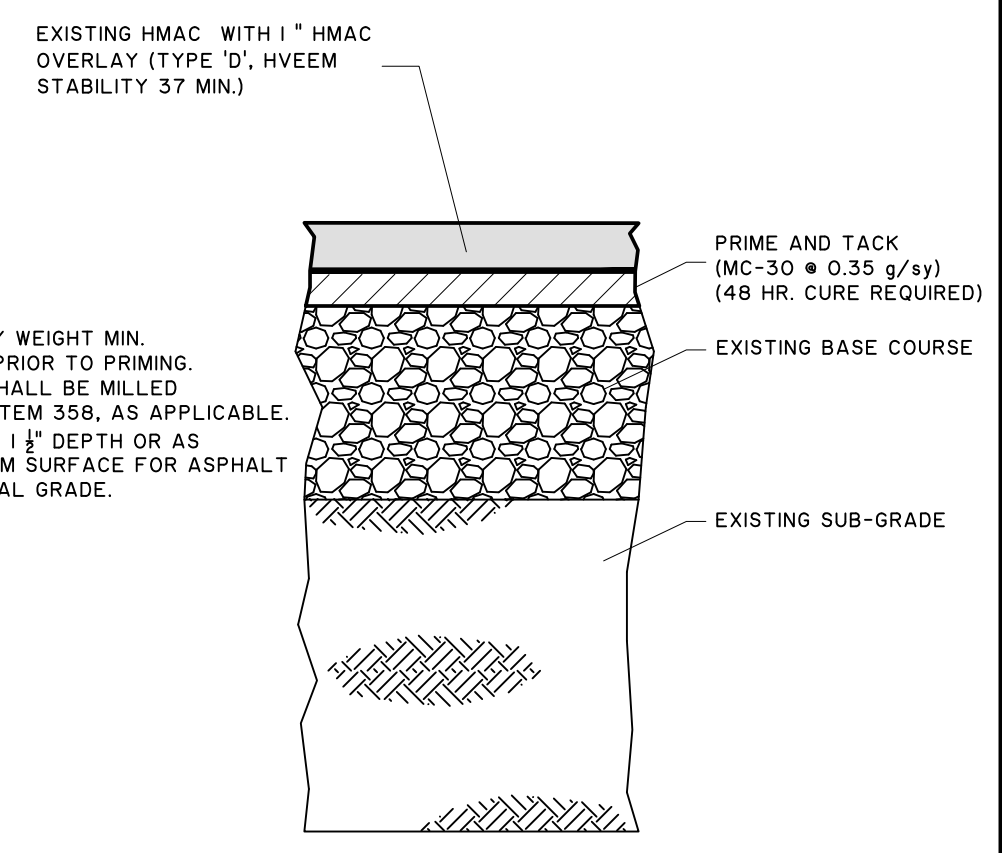


**HANDICAP SIGN ASSEMBLY**  
N.T.S.



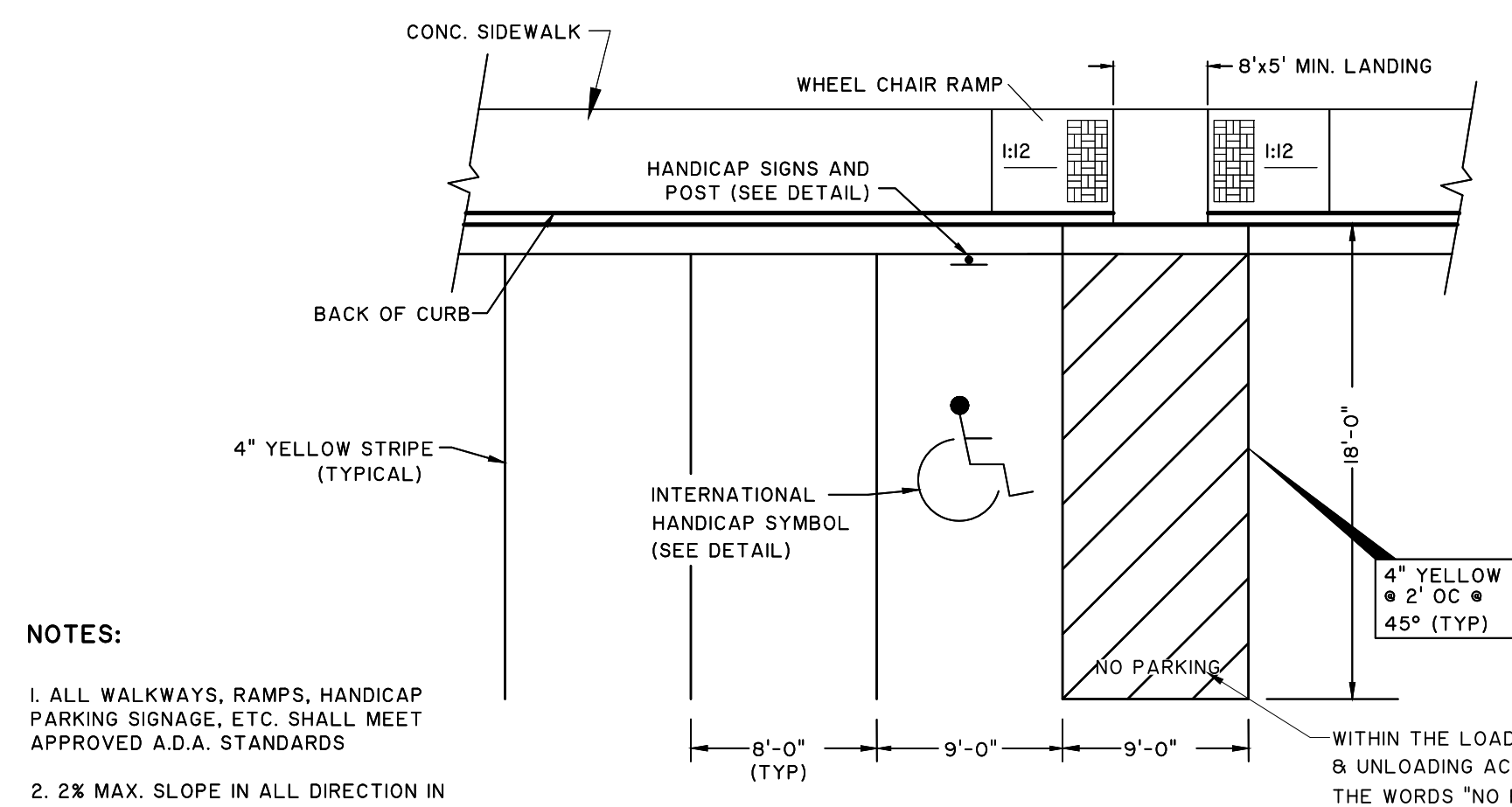
**COLORS:**  
• LEGEND AND BORDER - GREEN  
• WHITE SYMBOL ON BLUE BACKGROUND  
• BACKGROUND - WHITE

**HANDICAP SIGN**  
N.T.S.



**TYPICAL OVERLAY DETAIL**  
N.T.S.

**NOTES:**  
1. OIL CONTENT SHALL BE 5% BY WEIGHT MIN.  
2. CLEAN AND SWEEP SURFACE PRIOR TO PRIMING.  
3. EXIST ASPHALT PAVEMENT SHALL BE MILLED IN ACCORDANCE WITH TXDOT ITEM 358, AS APPLICABLE.  
4. MILL THE EXISTING PAVEMENT 1 1/2" DEPTH OR AS REQUIRED TO PROVIDE UNIFORM SURFACE FOR ASPHALT OVERLAY TO RESTORE ORIGINAL GRADE.

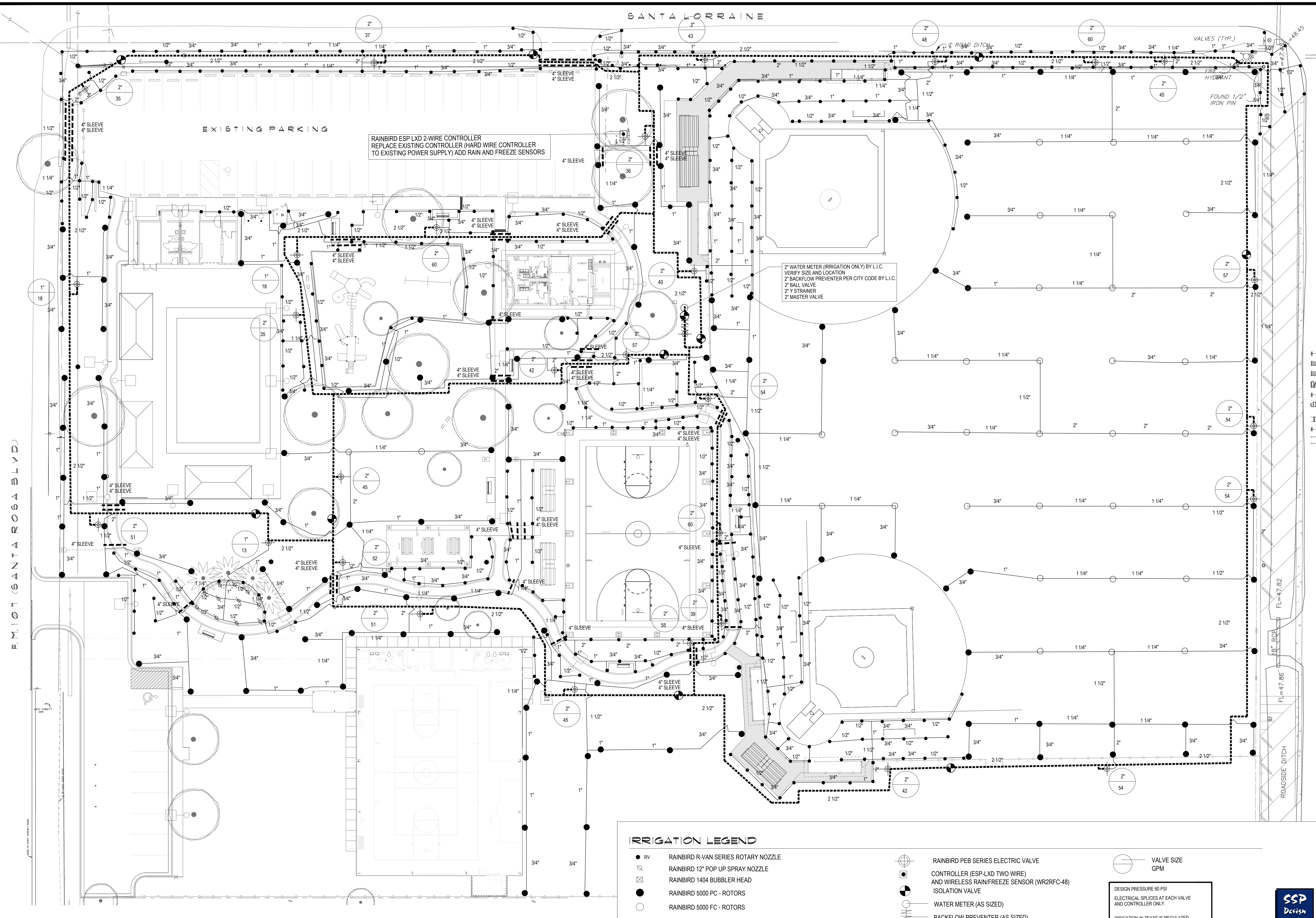


**STRIPING FOR 90° PARKING**  
N.T.S.

**NOTES:**  
1. ALL WALKWAYS, RAMPS, HANDICAP PARKING SIGNAGE, ETC. SHALL MEET APPROVED A.D.A. STANDARDS  
2. 2% MAX. SLOPE IN ALL DIRECTION IN AREAS OF HANDICAP PARKING SPACES

WITHIN THE LOADING & UNLOADING ACCESS AISLE PAINT THE WORDS "NO PARKING" IN 12" HIGH LETTERS MINIMUM





**1 IRRIGATION PLAN**  
 SCALE: 1" = 20'-0"

**IRRIGATION LEGEND**

- |      |   |     |   |     |                              |
|------|---|-----|---|-----|------------------------------|
| ● RV | RAINBIRD R-VAN SERIES ROTARY NOZZLE   | ⊕   | RAINBIRD PEB SERIES ELECTRIC VALVE  | ⊖   | VALVE SIZE                   |
| ⊗    | RAINBIRD 12" POP UP SPRAY NOZZLE  | ⊙   | CONTROLLER (ESP-LX2 TWO WIRE) AND WIRELESS RAIN/FREEZE SENSOR (WR2RFC-48) | ⊙   | GPM                          |
| ⊗    | RAINBIRD 1404 BUBBLER HEAD  | ⊙   | ISOLATION VALVE   | —   |                              |
| ●    | RAINBIRD 5000 PC - ROTORS   | —   | WATER METER (AS SIZED)  | --- | CLASS 200 PVC LATERAL PIPING |
| ○    | RAINBIRD 5000 FC - ROTORS   | --- | BACKFLOW PREVENTER (AS SIZED)   | --- | CLASS 200 PVC MAINLINE       |
| ▲    | RAINBIRD QUICK COUPLER VALVE (33-DLRC) QUICK COUPLERS SHALL BE CONNECTED TO MAINLINE ADD ONE ZONE THAT ACTIVATES MASTER VALVE AND ACTIVATES THE QUICK COUPLERS, LABEL ON COLORED ZONING DIAGRAM - LOCATED ALONG MAINLINE 200' SPACING | --- | SCH. 40 PVC SLEEVING (AS SIZED)   |     |                              |

DESIGN PRESSURE 60 PSI  
 ELECTRICAL SPLICES AT EACH VALVE AND CONTROLLER ONLY.  
 IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) MC-178 P.O. BOX 13087 AUSTIN, TX 78711-3087. TCEQ'S WEBSITE IS: www.tceq.state.tx.us



788 EAST WASHINGTON STREET  
 BROWNSVILLE, TEXAS 78520  
 TEL: (956) 547-7988  
 FAX: (956) 547-7977  
 SALES@SSPDESIGN.COM



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 Gomez Mendez Saenz Inc.  
 Architects-Planners  
 Interior Designers  
 Date: June 22, 2023  
 Scale: As Noted  
 Project Architect: Roan G. Gomez, AIA  
 Drawn By: IO  
 Job No. CC PARKS SANTA ROSA  
 Sheet:



REVISIONS	BY

**GMS ARCHITECTS**  
 1150 Paredes Line Rd.  
 Brownsville, Texas 78526  
 (956) 546-0110  
 Fax (956) 546-0196

**CAMERON COUNTY PARKS**  
 SANTA ROSA PARK IMPROVEMENTS



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 Gomez Mendez Saenz Inc.  
 Architects-Planners  
 Interior Designers  
 Date: June 22, 2023  
 Scale: As Noted  
 Project Architect: Roan G. Gomez, AIA  
 Drawn By: IO  
 Job No. CC PARKS SANTA ROSA  
 Sheet:

783 EAST WASHINGTON STREET  
 BROWNSVILLE, TEXAS 78520  
 TEL (956) 547-9188  
 FAX (956) 547-9977  
 SPAK@GMSPECS.COM

**L1.02**

**IRRIGATION LEGEND**

- RV RAINBIRD R-VAN SERIES ROTARY NOZZLE
- ⊗ RAINBIRD 12" POP UP SPRAY NOZZLE
- ⊗ RAINBIRD 1404 BUBBLER HEAD
- RAINBIRD 5000 PC - ROTORS
- RAINBIRD 5000 FC - ROTORS
- ▲ RAINBIRD QUICK COUPLER VALVE (33-DLRC) QUICK COUPLERS SHALL BE CONNECTED TO MAINLINE ADD ONE ZONE THAT ACTIVATES MASTER VALVE AND ACTIVATES THE QUICK COUPLERS. LABEL ON COLORED ZONING DIAGRAM - LOCATED ALONG MAINLINE 200' SPACING
- ⊕ RAINBIRD PEB SERIES ELECTRIC VALVE
- CONTROLLER (ESP-LXD TWO WIRE) AND WIRELESS RAIN/FREEZE SENSOR (WR2RFC-48) INCL. TESTING AND TRAINING
- ◐ ISOLATION VALVE
- WATER METER (AS SIZED)
- ⊕ BACKFLOW PREVENTER (AS SIZED)
- CLASS 200 PVC LATERAL PIPING
- - - CLASS 200 PVC MAINLINE
- - - SCH. 40 PVC SLEEVE (AS SIZED)
- VALVE SIZE
- GPM

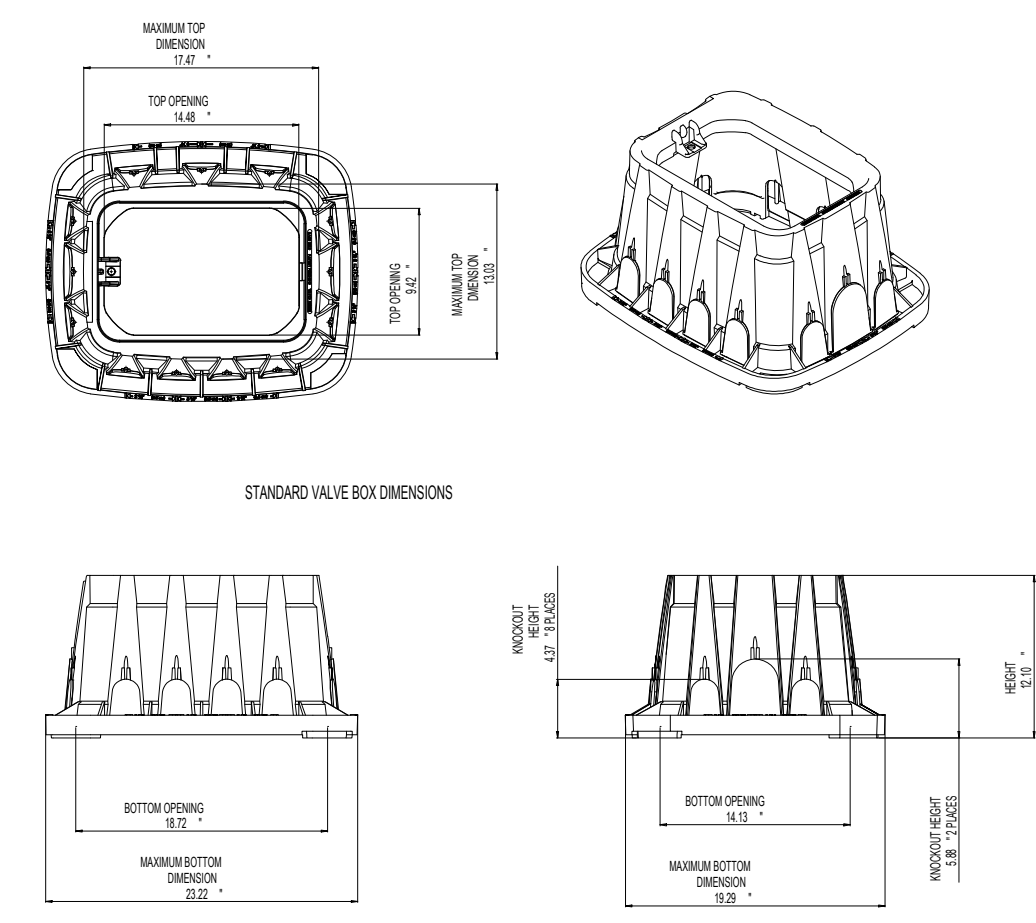
DESIGN PRESSURE 60 PSI  
 ELECTRICAL SPLICES AT EACH VALVE AND CONTROLLER ONLY.

IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) MC-178/ P.O. BOX 13087, AUSTIN, TX 78711-3087. TCEQ'S WEBSITE IS: www.tceq.state.tx.us

NUMBER OF BUBBLERS	SIZE OF PIPE
1 - 5	1/2"
6 - 10	3/4"
11 - 20	1"
21 - 30	1 1/4"
31 - 40	1 1/2"

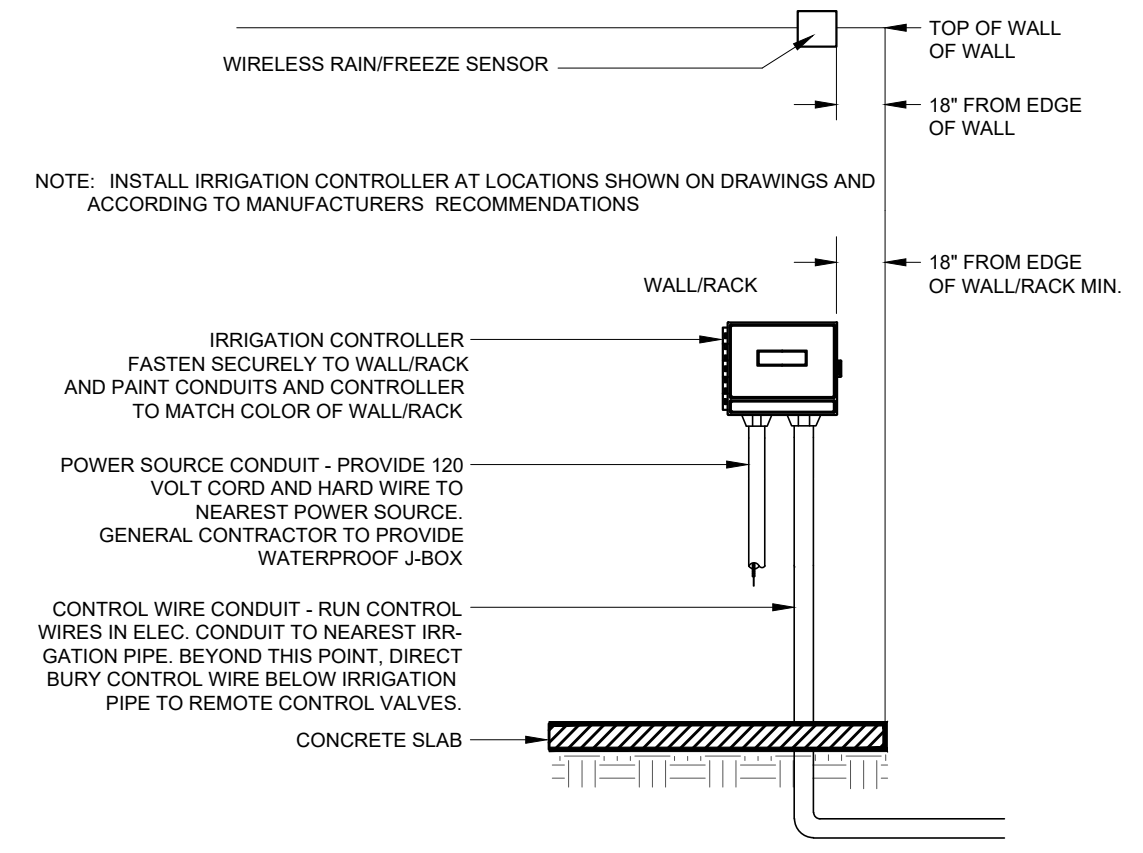
**IRRIGATION NOTES**

- All equipment numbers reference Rainbird equipment catalog unless otherwise indicated.
- LAWN SPRAY HEADS are RVAN installed as per detail.
- SHRUB SPRAY HEADS are RVAN installed as per detail.
- ELECTRIC CONTROL VALVES shall be PEB installed as per detail shown. Size valves as shown on plans. Valves shall be installed in valve boxes large enough to permit manual operation, removal of solenoid and/or valve cover without any earth excavation. (Refer to Specifications)
- AUTOMATIC CONTROLLER shall be installed at location shown. Power (120V) shall be located in a junction box within five feet (5') of controller location. Power supply and junction box to be provided by General Contractor.
- All 24 volt valve wiring is to be UF 14 single conductor. All wire splices are to be permanent and waterproof. (Refer to Specifications)
- SLEEVES shall be supplied and installed by Irrigation Contractor. Sleeve material shall be Schedule 40. Bore under existing pavement as required. Sizes as indicated on plans.
- Ten days prior to start of construction, contractor shall verify static water pressure. If static pressure is less than 50 PSI, do not start work until notified to do so by SSP Design.
- All mainline and lateral piping shall have a minimum of 12 inches of cover. All piping under paving shall have a minimum of 18 inches of cover. (Refer to Specifications)
- The irrigation contractor shall coordinate installation of the system with the landscape contractor so that all plant material will be watered in accordance with the intent of the plans and specifications.
- The irrigation contractor shall select the proper arc and radius for each nozzle to insure 100% and proper coverage of all lawn areas and plant material. All nozzles in parking lots and planting beds shall be low angle to minimize overspray on pavement surfaces. No water will be allowed to spray on building.
- The irrigation contractor shall warranty all system components for a period of one year plus 20 days. (Refer to Specifications).
- See specifications for further instructions and project requirements. Contractor shall follow specification section 328000 - Site Irrigation for any discrepancies between plans and specifications.

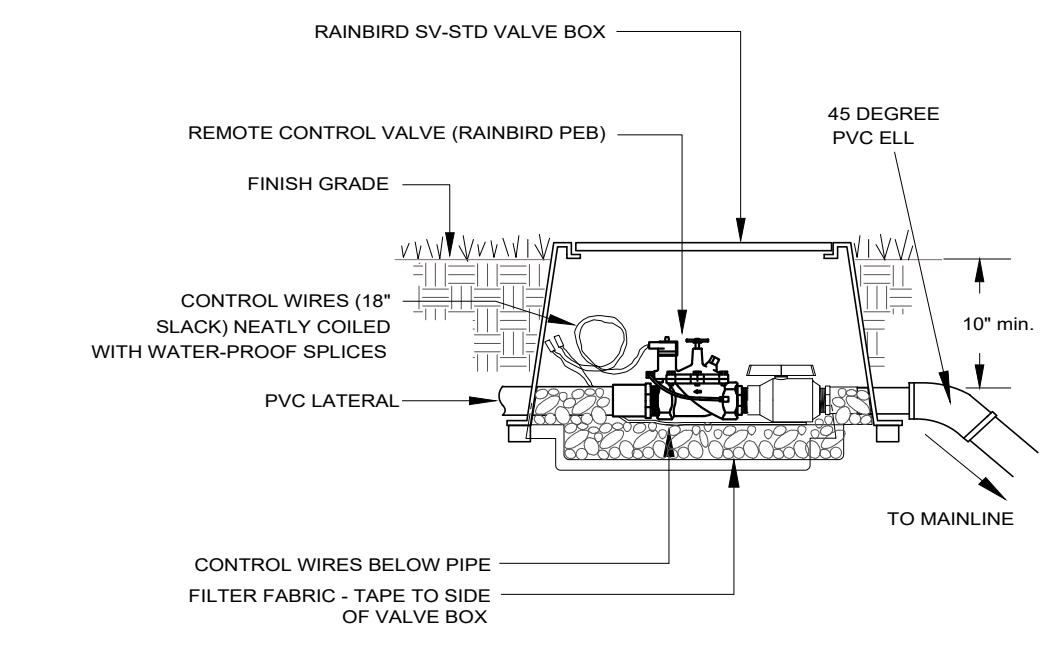


ALL VALVE BOXES SHALL BE RAINBIRD VB-STD OR APPROVED EQUAL  
 ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE

**1 VALVE BOX (VB-STD)**  
 NOT TO SCALE

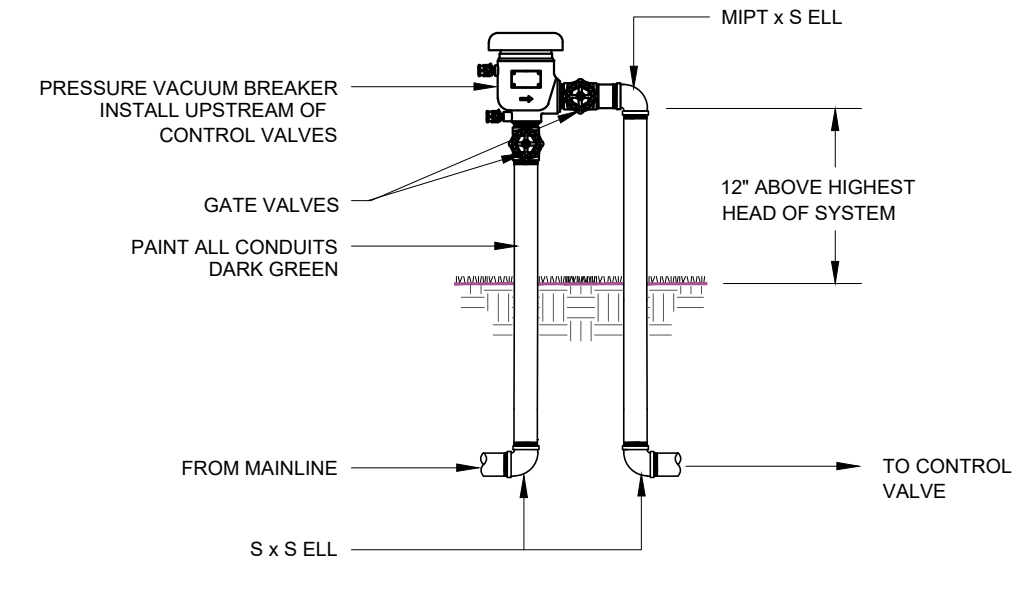


**2 WALL/RACK MOUNTED CONTROLLER**  
 NOT TO SCALE

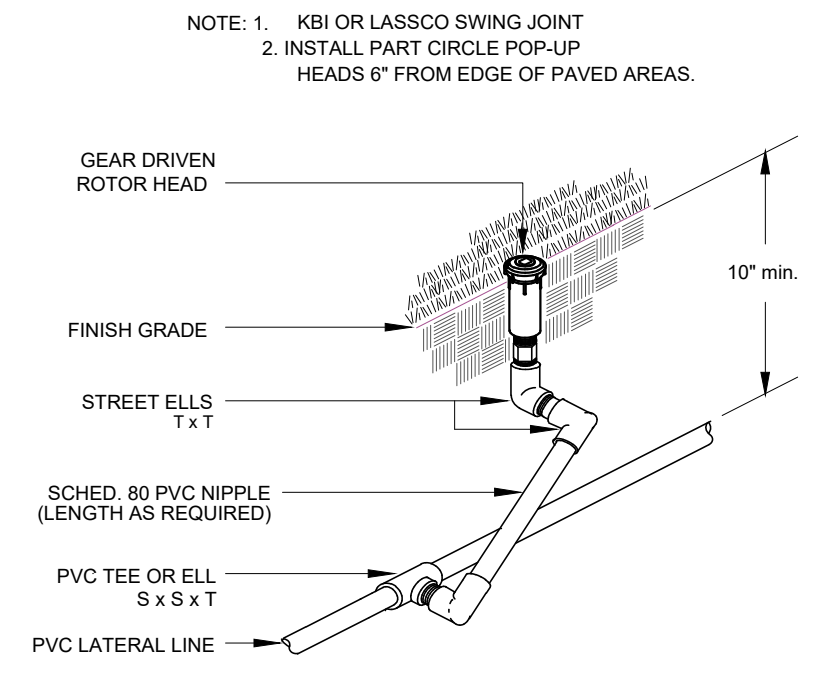


ALL VALVE BOXES SHALL HAVE FILTER FABRIC AND 4" OF GRAVEL AT BASE

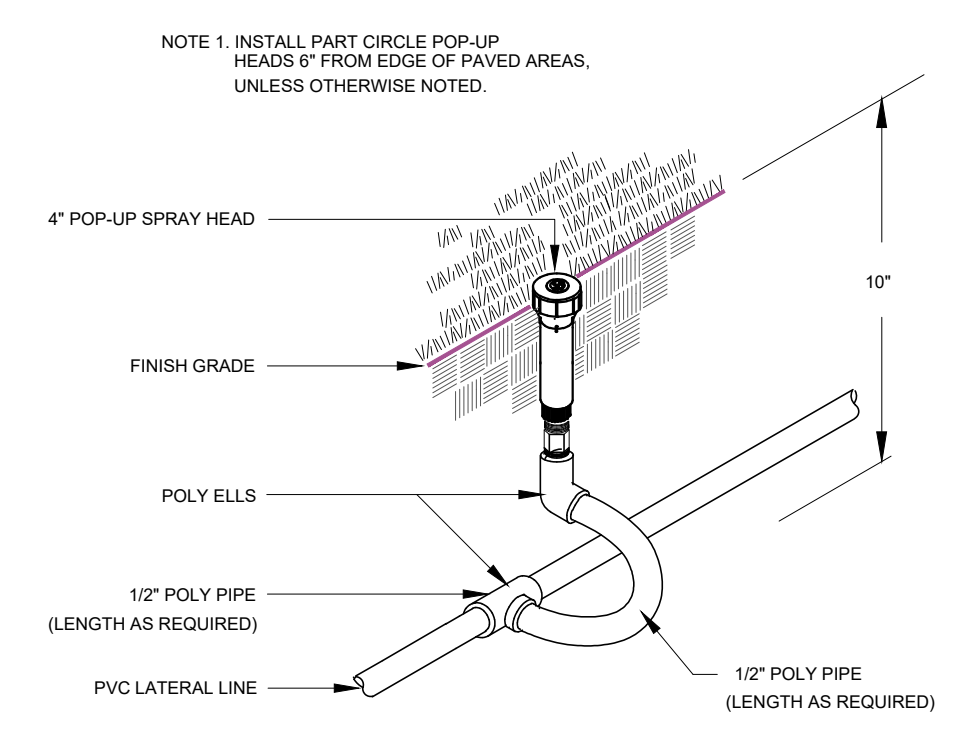
**3 REMOTE CONTROL VALVE**  
 NOT TO SCALE



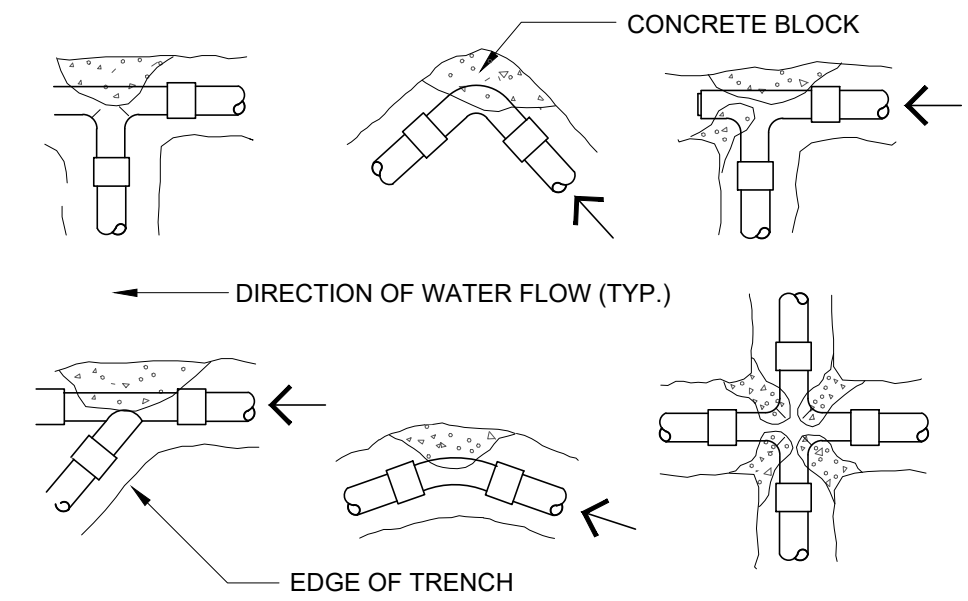
**4 PRESSURE VACUUM BREAKER**  
 NOT TO SCALE



**5 ROTOR POP-UP**  
 NOT TO SCALE



**6 LAWN POP-UP HEAD**  
 NOT TO SCALE



PIPE SIZE	1 1/4" - 2 1/2"	3"	4"
TEES/ELLS	1.00	1.00	1.25
90 BENDS	1.00	1.25	2.00
45 BENDS	1.00	1.00	2.4

NOTE: INSTALL THRUST BLOCK AT ALL MAINLINE BENDS, TEES OR ELLS AS SHOWN BELOW. THRUST BLOCKS SHALL BE MINIMUM OF (1) CU. FT. RED-MAX CONCRETE OR 2500 PSI 28 DAY CONCRETE.

**7 THRUST BLOCK DETAIL**  
 NOT TO SCALE





REVISIONS	BY

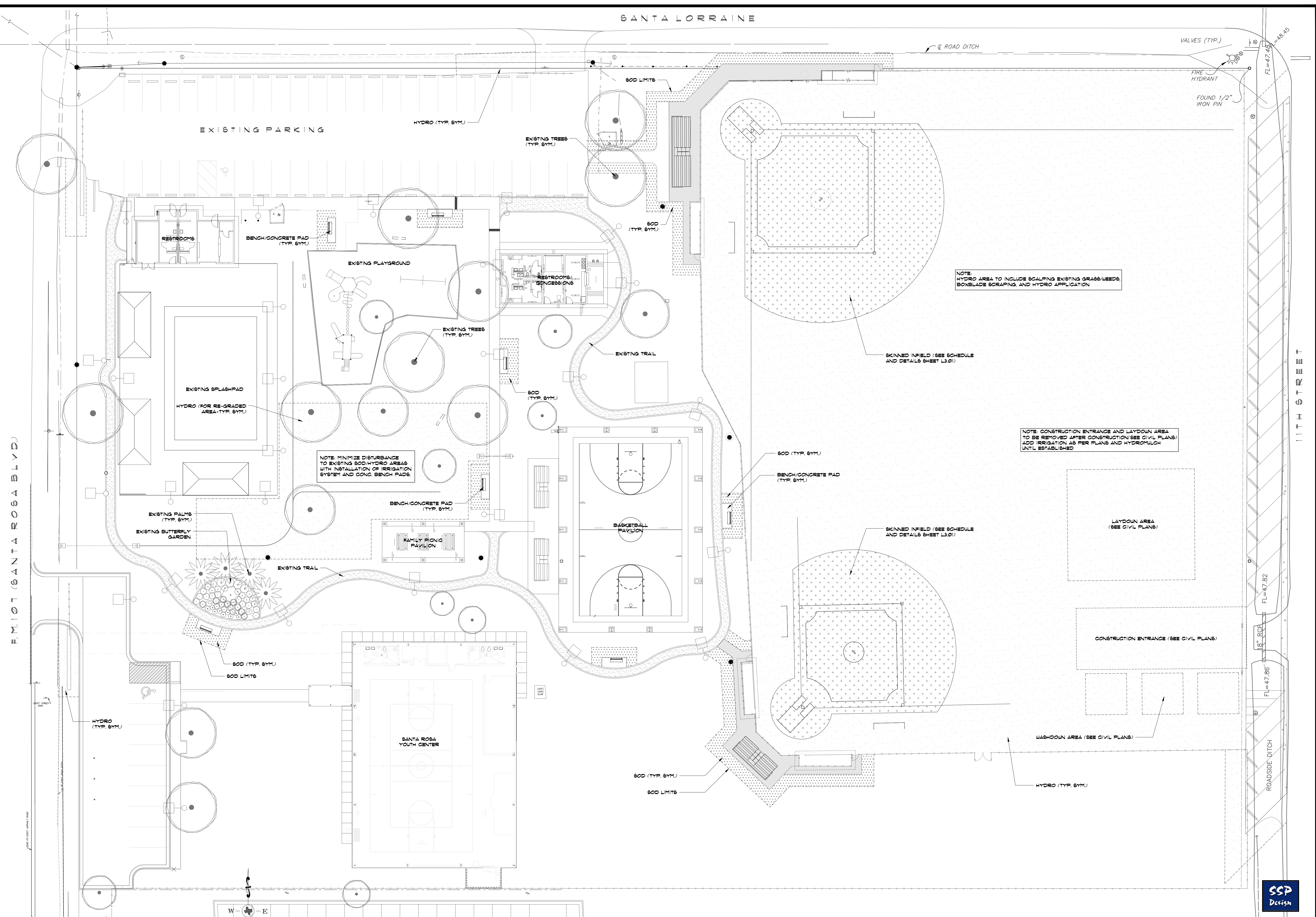
**GMS ARCHITECTS**  
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 Brownsville, Texas 78526  
 (956) 546-0110  
 Fax (956) 546-0196

**CAMERON COUNTY PARKS**  
 SANTA ROSA PARK IMPROVEMENTS



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 Architects-Planners  
 Interior Designers  
 Date: June 22, 2023  
 Scale: As Noted  
 Project Architect: Roan G. Gomez, AIA  
 Drawn By: IO  
 Job No.: CC PARKS SANTA ROSA  
 Sheet:

**L2.01**



**1 LANDSCAPE PLAN**  
 SCALE: 1" = 20'-0"



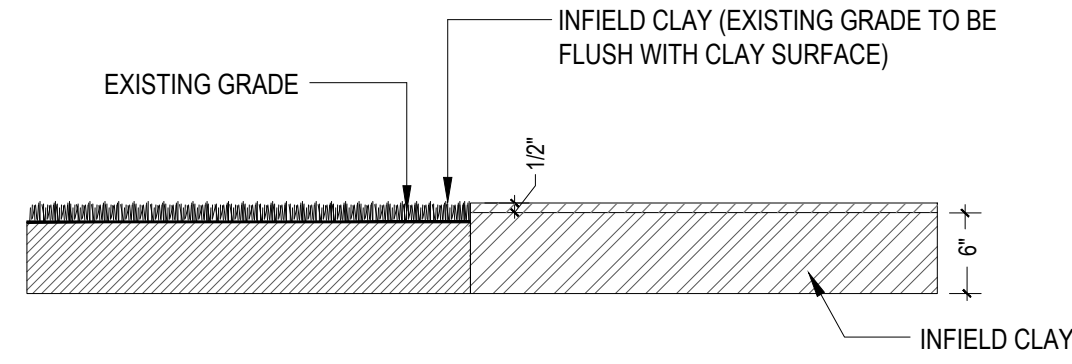
786 EAST WASHINGTON STREET  
 BROWNSVILLE, TEXAS 78520  
 TEL (956) 547-9788  
 FAX (956) 547-9877  
 SALES@SSPDESIGN.COM



**PLANT SCHEDULE**

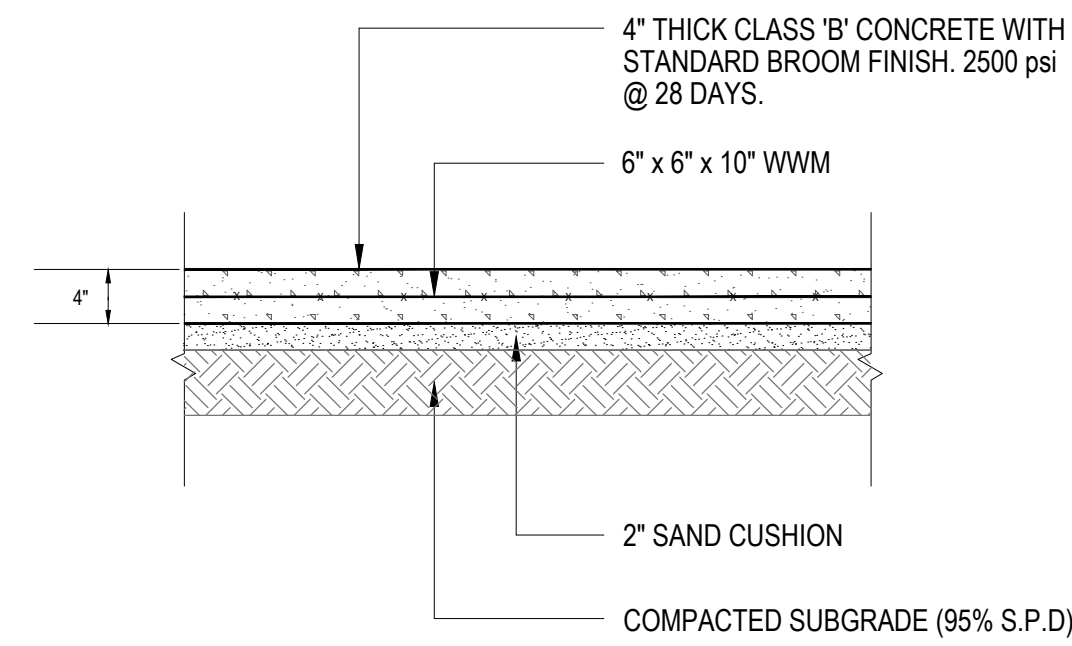
CODE	BOTANICAL NAME	COMMON NAME	TYPE	SIZE	SPACING	QTY
	GRASS					
HYDRO*	CYNODON DACTYLON	COMMON BERMUDA HYDROMULCH			78.925 S.F.	
BOD	CYNODON DACTYLON	#1 CERTIFIED 418' HYBRID BERMUDA BOD			390 S.Y.	

\* HYDRO AREAS TO INCLUDE SCALPING EXISTING GRASS/WEEDS, BOXBLADE SCRAPING, AND HYDRO APPLICATION



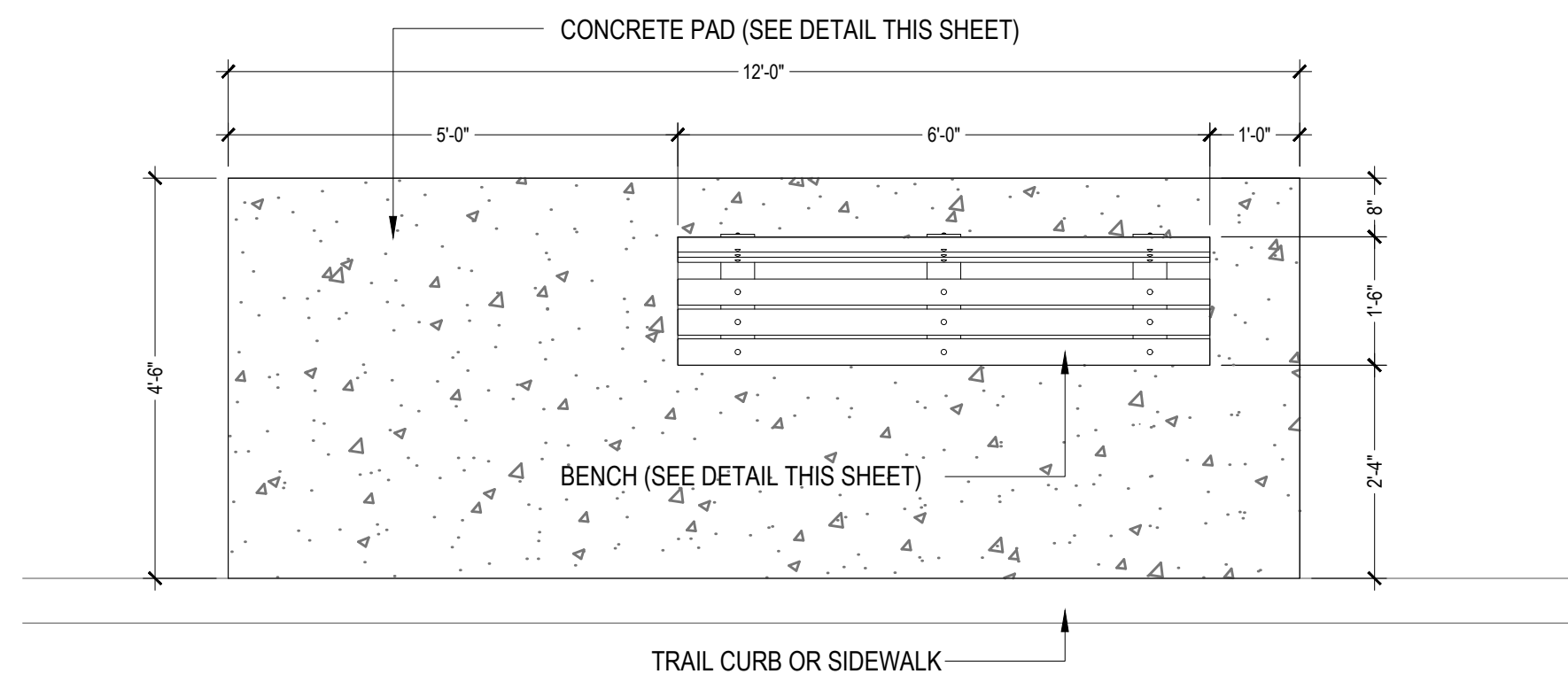
**1 FIELD CLAY TRANSITION DETAIL**

NOT TO SCALE



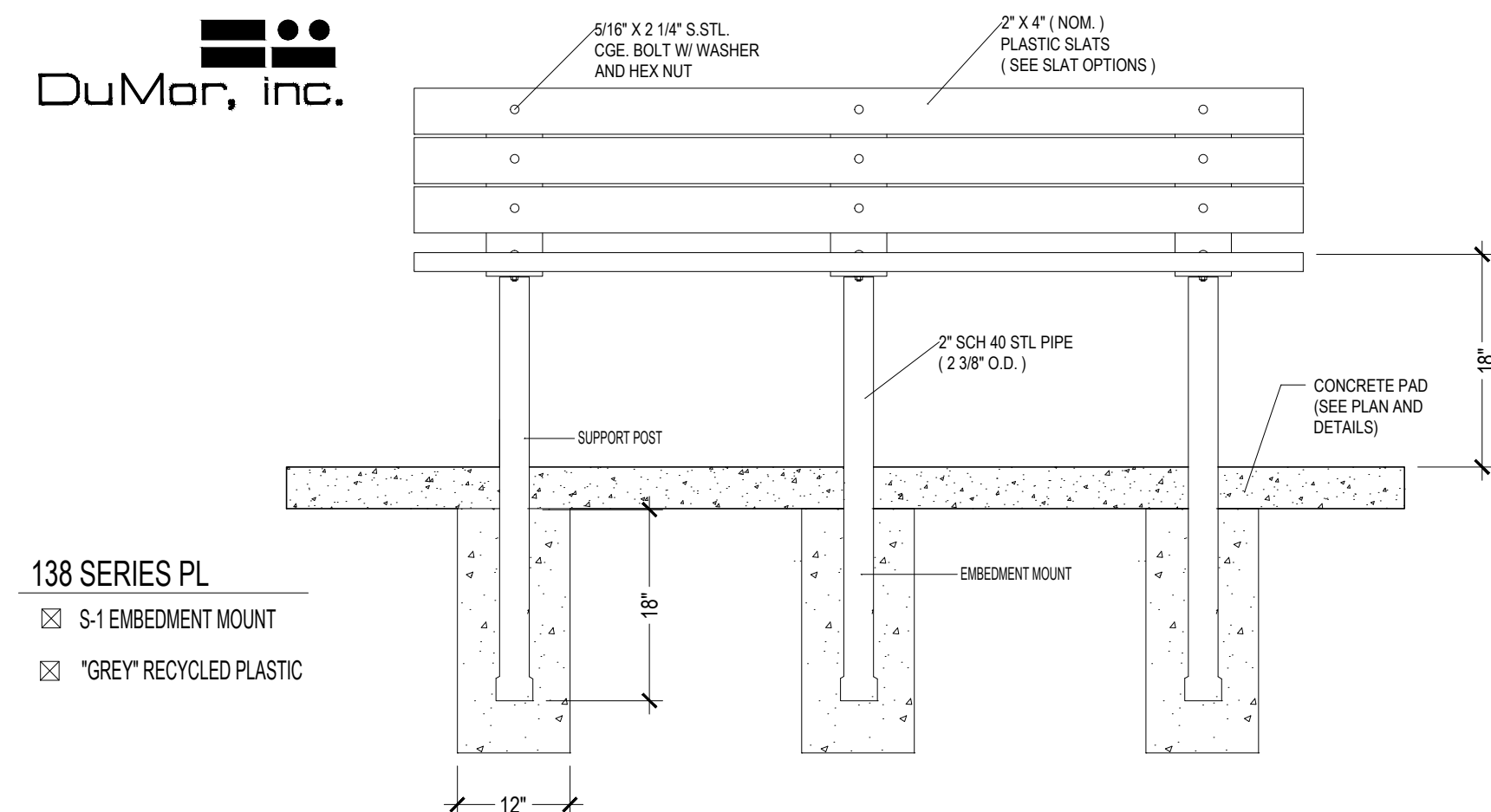
**2 CONCRETE PAD DETAIL**

NOT TO SCALE



**3 CONCRETE PAD/BENCH DETAIL**

NOT TO SCALE



**4 BENCH DETAIL**

NOT TO SCALE

**MATERIAL SCHEDULE**

DESCRIPTION	NOTES	QUANTITY
ORGANIC TOPSOIL	2 BAG PER TREE/PALM- ORGANIC TOPSOIL	56 BAGS (2 C.F.)
CONCRETE PADS	4" THICK CONCRETE PADS FOR PARK BENCHES AS PER PLANS/DETAILS	400 S.F.
BENCH	DUMOR 6' LENGTH 138-60PL RECYCLED PLASTIC SLATS (GREY) S-1 EMBEDMENT MOUNT WITH POWDER COATED POST (BLACK)	1
INFIELD MIX	6" LAYER OF INFIELD MIX - 60% SAND, 20% SILT, 20% CLAY 1/4" MINUS RED COLOR	324 C.Y.
INFIELD CONDITIONER	1/2" MIXED/TILLED DIAMOND PRO RED INFIELD CONDITIONER	24 TONS
INFIELD GRADING	COMPLETE INFIELD LASER GRADING PER NOTES BELOW	--
IRRIGATION SYSTEM	COMPLETE AUTOMATIC IRRIGATION SYSTEM PER PLANS/DETAILS BY LICENSED CONTRACTOR	--

1. CONTRACTORS MUST REVIEW TECHNICAL SPECIFICATIONS FOR ADDITIONAL PRODUCT INFORMATION AND PROJECT REQUIREMENTS.

**SPORTS FIELD NOTES**

1. APPLY HERBICIDE/ROUNDUP TO ENTIRE FIELD AREA UNTIL ALL VEGETATED MATTER IS ERADICATED
2. CLEAR AND GRUB (REMOVE ALL DEBRIS) FROM FIELD AREA
3. RIP/TILL SOIL WITH AN AGRICULTURAL CULTIVATOR TO A DEPTH OF 6" ON FIELD, 3" ON OUTFIELD
4. ROUGH GRADE INFIELDS TO PREPARE FOR 6" LAYER OF INFIELD MIX
5. APPLY INFIELD MIX AND FINE GRADE TO FINISHED ELEVATIONS ON CIVIL PLANS
6. CONTRACTOR TO GRADE FIELD WITH SPECIFIED CROWN/SLOPES UTILIZING FULLY AUTOMATED COMPUTERIZED DUAL GPS SYSTEM WITH LASER AUGMENTATION TO ACHIEVE GRADES WITHIN 1/4" TOLERANCE. FIELD MUST DRAIN SMOOTHLY WITH NO BIRD BATHS OR LOW SPOTS
7. INSTALL IRRIGATION PER PLANS/SPECS. THOROUGHLY WATER IN WITH MULTIPLE WATERINGS
8. FIELD DRAINAGE WILL BE TESTED AND REVIEWED BY SSP PRIOR TO BOD OR HYDROMULCH.
9. INSTALL BOD OR HYDROMULCH AS PER PLANS AND SPECIFICATIONS
10. MONITOR WATERING FOR CONTINUOUS MOISTURE ON HYDROMULCH UNTIL FULL GERMINATION.

**CONSTRUCTION NOTES**

1. WORK UNDER THIS CONTRACT INCLUDES SITE REVIEW AND COORDINATION WITH EXISTING CONDITIONS, SITE CLEANUP, EXCAVATION, TILLING, IRRIGATION, INFIELD CLAY, SITE FURNITURE, MAINTENANCE, AND GUARANTEE.
2. LANDSCAPE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND DIMENSIONS PRIOR TO BIDDING. QUANTITIES SHOWN IN SCHEDULE ARE FOR CONVENIENCE ONLY.
3. NOTIFY SSP DESIGN OF ANY DISCREPANCIES IN DRAWINGS/DETAILS OR INSUFFICIENT QUANTITIES DUE TO DIFFERENCES IN PLAN AND ACTUAL FIELD CONDITIONS.
4. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES. SPOTTING OF ALL UTILITIES IS REQUIRED.
5. NOTIFY AND MEET WITH SSP DESIGN PRIOR TO ANY CONSTRUCTION FOR VERIFICATION/INTERPRETATION OF PLANS.
6. LANDSCAPE CONTRACTOR SHALL STAKE OUT ALL BEDS, TREES, PALM LOCATIONS PRIOR TO INSTALLATION FOR APPROVAL BY SSP DESIGN.
7. CONTRACTOR TO COORDINATE WITH SSP DESIGN TO ENSURE PROPER PLACEMENT OF PLANT MATERIAL AND IRRIGATION EQUIPMENT.
8. CONTRACTOR TO INSTALL EXTRUDED CONCRETE EDGE AND TREE RINGS AS SHOWN ON PLANS.
9. NOTIFY SSP DESIGN/OWNER PRIOR TO PLANTING OPERATIONS FOR APPROVAL OF ALL PLANT MATERIAL ON SITE. ANY PLANT MATERIAL NOT APPROVED BY SSP DESIGN/OWNER WILL BE SUBJECT TO REJECTION.
10. IRRIGATION CONTRACTOR SHALL SUPPLY AND INSTALL COMPLETE AUTOMATIC IRRIGATION SYSTEM INCLUDING WATER METER, BACKFLOW DEVICE, CONTROLLER, MAINLINE, SLEEVES, DRIP, TO COVER ALL LANDSCAPE AREAS PER PLANS/DETAILS. IRRIGATION SYSTEM SHALL BE INSTALLED BY A TEXAS LICENSED IRRIGATOR ONLY.
11. CONTRACTOR SHALL REMOVE ALL EXISTING GRASS/WEEDS IN BEDS BY HERBICIDING PRIOR TO BED PREP AND SOIL REPLACEMENT.
12. CONTRACTOR SHALL PRUNE ALL EXISTING PALMS/TREES BY A CERTIFIED ARBORIST AS DIRECTED BY SSP DESIGN.
13. CONTRACTOR SHALL REMOVE ALL EXISTING GRASS AND WEEDS BY HERBICIDING, DISKING, FLOATING AND LIGHT GRADING OF ENTIRE PROJECT AREA PRIOR TO HYDROMULCHING/BODDING.
14. CONTRACTOR SHALL REMOVE 12" OF EXIST'G SOIL WITHIN ALL BED AREAS AND REPLACE WITH IMPORTED TOP SOIL/PREMIUM COMPOST MIX.
15. LANDSCAPE CONTRACTOR SHALL CONSTRUCT 6"x36" WATERING BASINS AROUND ALL TREES/PALMS WITH A MIN. 2" LAYER OF CYPRESS MULCH.
16. LANDSCAPE CONTRACTOR SHALL LOOSEN / GRADE ALL LAWN AREAS PRIOR TO HYDRO-MULCHING/BODDING TO ENSURE PROPER DRAINAGE AND UNIFORM SURFACE.
17. LANDSCAPE CONTRACTOR SHALL ESTABLISH AND MAINTAIN ALL PLANT MATERIAL FOR 90 DAYS AFTER SUBSTANTIAL COMPLETION AND SHALL GUARANTEE ALL TREES/PALMS FOR A PERIOD OF ONE YEAR.
18. IRRIGATION CONTRACTOR SHALL GUARANTEE ALL SYSTEM COMPONENTS FOR A PERIOD OF ONE YEAR.
19. SEE SPECIFICATION FOR FURTHER INSTRUCTIONS/REQUIREMENTS.

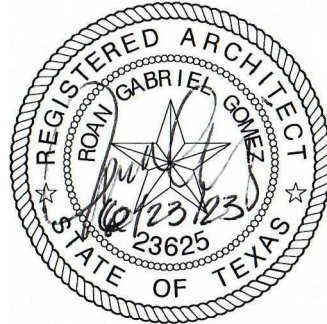




REVISIONS	BY
01	RN

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 Brownsville, Texas 78526  
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 Fax (956) 546-0196

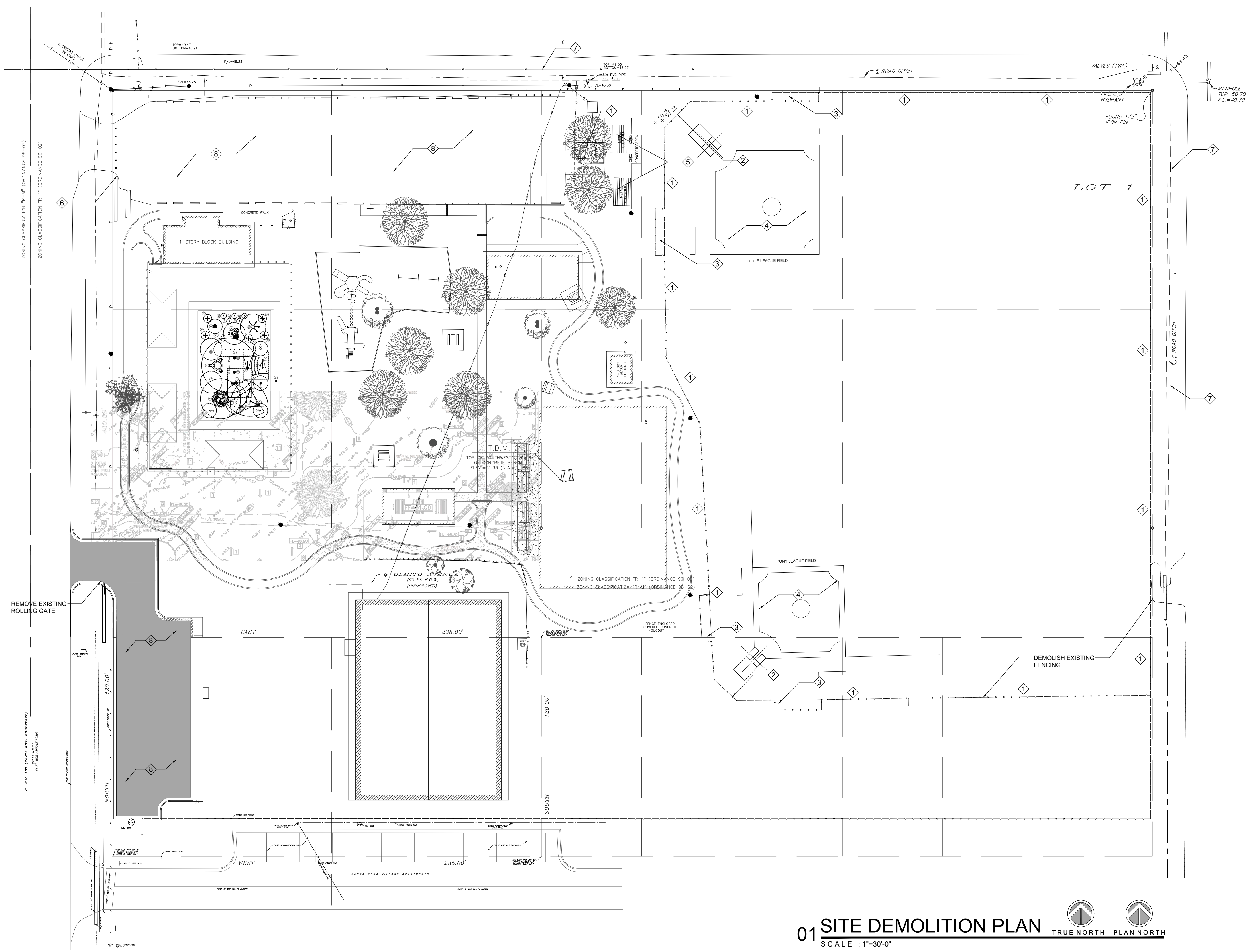
**CAMERON COUNTY PARKS**  
**SANTA ROSA PARK IMPROVEMENTS**



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 Interior Designers  
 Date: June 2023  
 Scale: As Noted  
 Project Architect: Roan G. Gomez, AIA  
 Drawn By: RN  
 Job No. SANTA ROSA - PHASE 2  
 Sheet:

**D1.01**

- KEYED DEMOLITION NOTES:**
- ① DEMOLISH EXISTING CHAIN LINK FENCING.
  - ② DEMOLISH EXISTING CHAIN LINK BACKSTOP.
  - ③ DEMOLISH EXISTING COVERED DUGOUTS.
  - ④ CLEAR VEGETATION AND STRIP TOPSOIL.
  - ⑤ DEMOLISH EXISTING CONCRETE PAD AND BLEACHERS.
  - ⑥ DEMOLISH EXISTING ACCESS GATE.
  - ⑦ CLEAR VEGETATION FOR ADDITIONAL PAVING IMPROVEMENTS.
  - ⑧ PREPARE ASPHALT PARKING AREAS FOR IMPROVEMENTS.
  - ⑨ XX



**01 SITE DEMOLITION PLAN**  
 SCALE : 1"=30'-0"

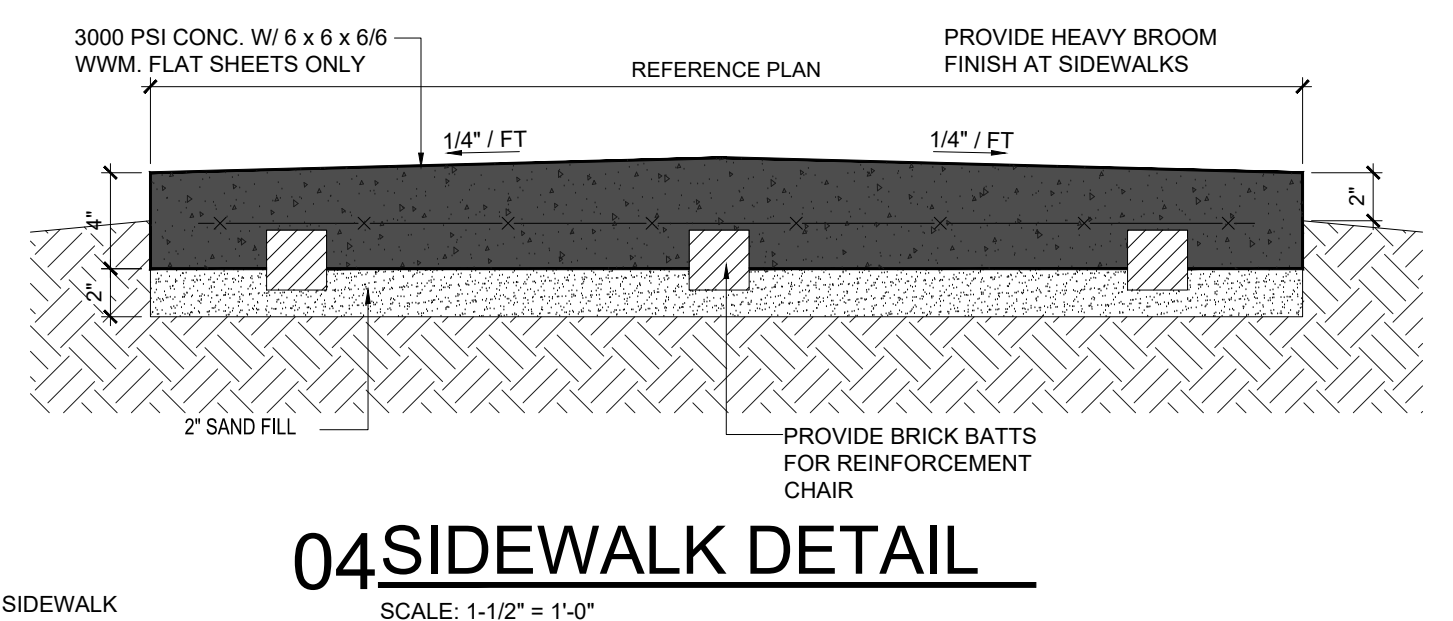
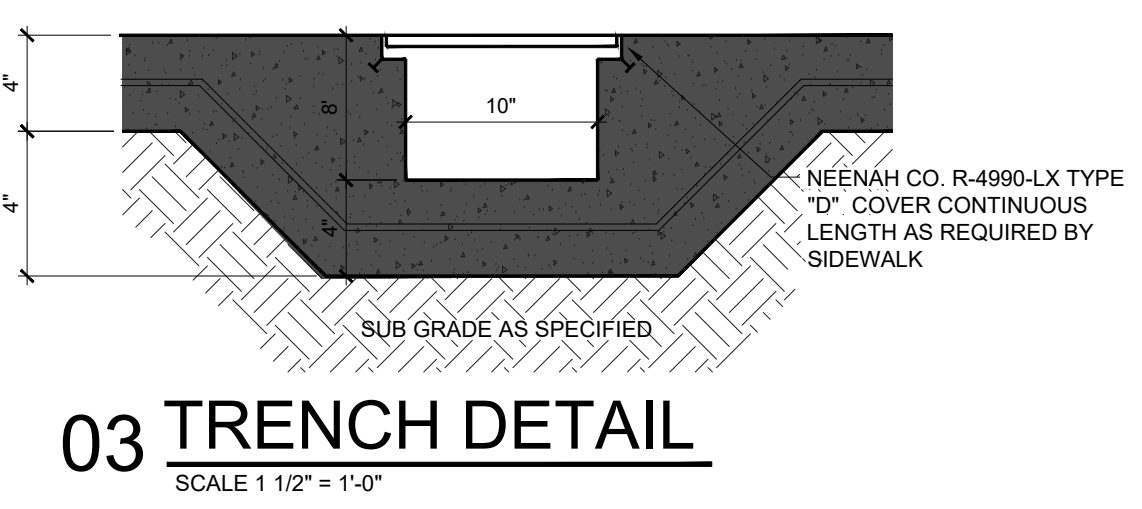
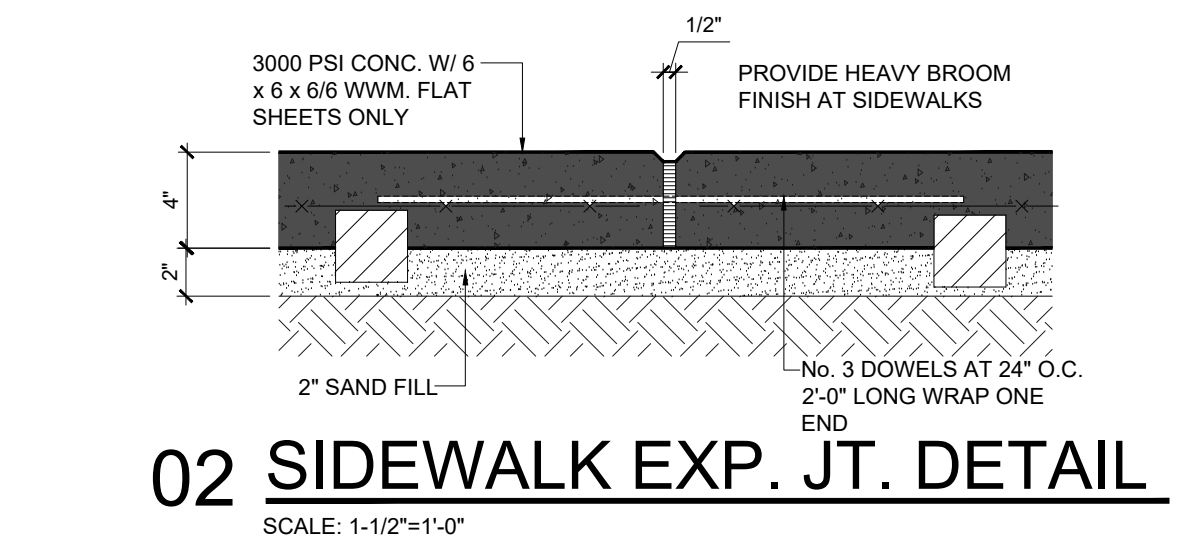
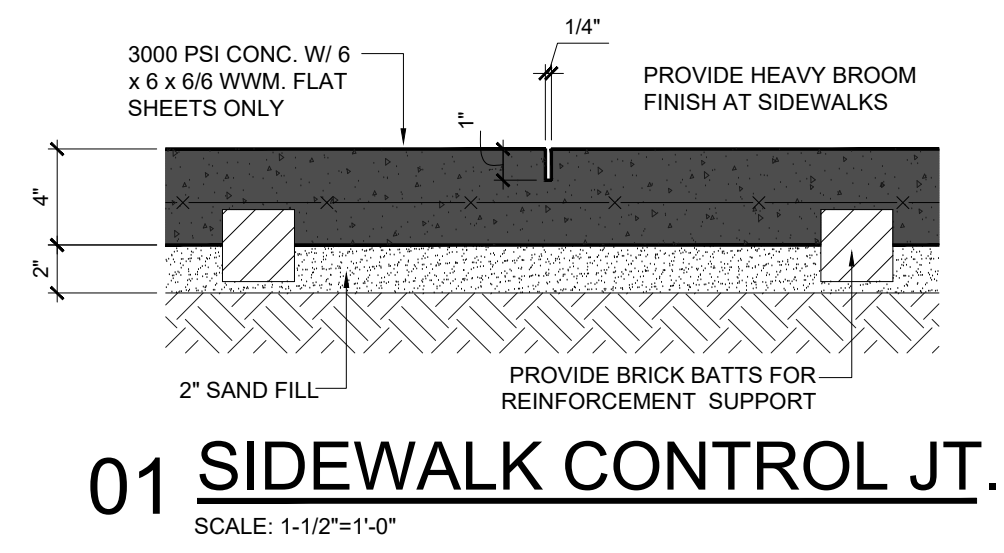
- DEMOLITION NOTES:**
- A. GENERAL CONTRACTOR TO TAKE CARE NOT TO DAMAGE EXISTING FOUNDATION, STRUCTURAL STEEL BEAMS / COLUMNS, SURROUNDING BUILDINGS AND VARIOUS SURFACES OUTSIDE OF DEMOLITION AREA. SHOULD ANY DAMAGE OCCUR OUTSIDE OF DEMOLITION AREA, THE GENERAL CONTRACTOR WILL BE RESPONSIBLE TO REPAIR OR REPLACE DAMAGED ITEMS.
  - B. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING DEBRIS & MATERIAL AWAY FROM SITE ACCORDING TO LOCAL & STATE REGULATIONS.
  - C. PATCH TO MATCH ALL FINISHES DISTURBED BY THE DEMOLITION AND IMPROVEMENTS.
  - D. REFER TO CIVIL AND MEP DOCUMENTS FOR ADDITIONAL WORK TO BE PERFORMED IN THESE AREAS.
  - E. PRE BID - GENERAL CONTRACTOR IS TO BE RESPONSIBLE FOR FAMILIARIZING THEMSELVES WITH THIS PROJECT SITE AND INCLUDE IN BID ALL NECESSARY DEMOLITION REQUIRED FOR IMPROVEMENTS, WHETHER NOTED OR NOT.
  - F. PRE BID - GENERAL CONTRACTOR IS TO BE RESPONSIBLE FOR NOTIFYING ARCHITECTS OFFICE WITH AN RFI IN THE CASE DISCREPANCIES WITH PLANS AND EXISTING CONDITIONS ARE PRESENT.
  - G. IT IS RECOMMENDED THAT PHOTOS OF BOTH INTERIOR AND EXTERIOR OF THE PROJECT BE TAKEN TO SHOW EXISTING CONDITIONS.
  - H. ANY MATERIAL AND/OR EQUIPMENT SCHEDULED TO BE REMOVED THAT CAN BE SALVAGED MUST BE TURNED OVER TO THE OWNER FOR THEIR USE & DISPOSITION. IF SO DIRECTED BY THE OWNER, GENERAL CONTRACTOR SHALL PROPERLY DISPOSE OF ANY TRASH OR DEBRIS FOLLOWING LOCAL & STATE REGULATIONS.
  - I. COORDINATE WITH ARCHITECT AND/OR ENGINEERS PRIOR TO ANY DEMOLITION ITEMS THAT ARE UNCLEAR.

Jun 23, 2023 - 9:33am (User: 19664) (Project: 19664) (Location: Santa Rosa Park Improvements - 103321) (Sheet: 01.dwg)

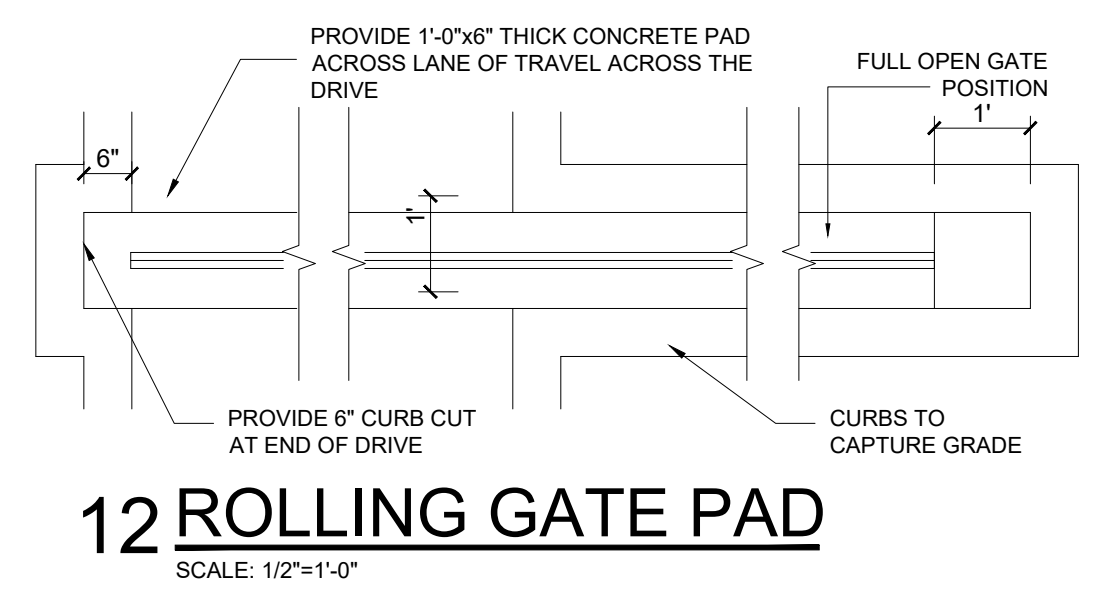
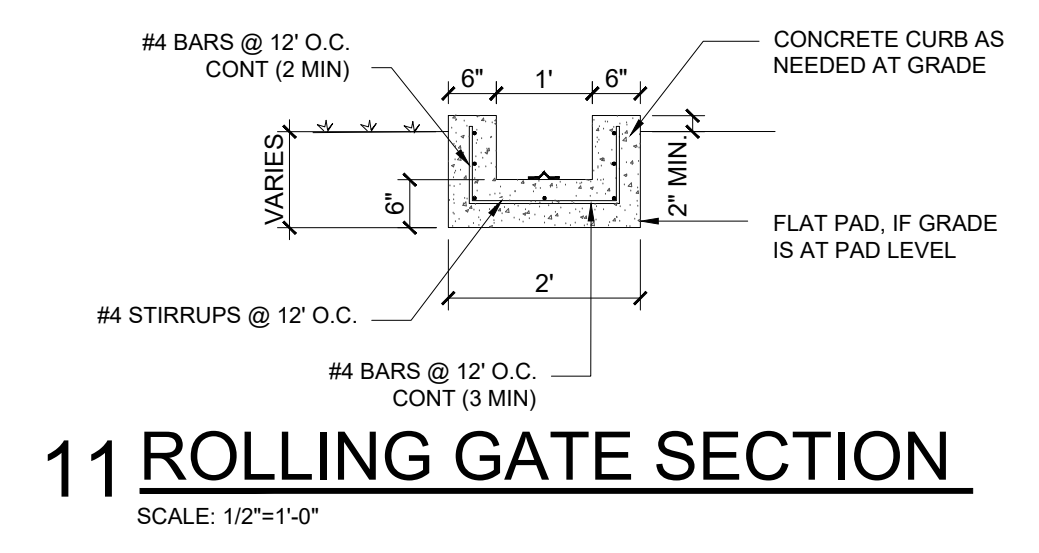
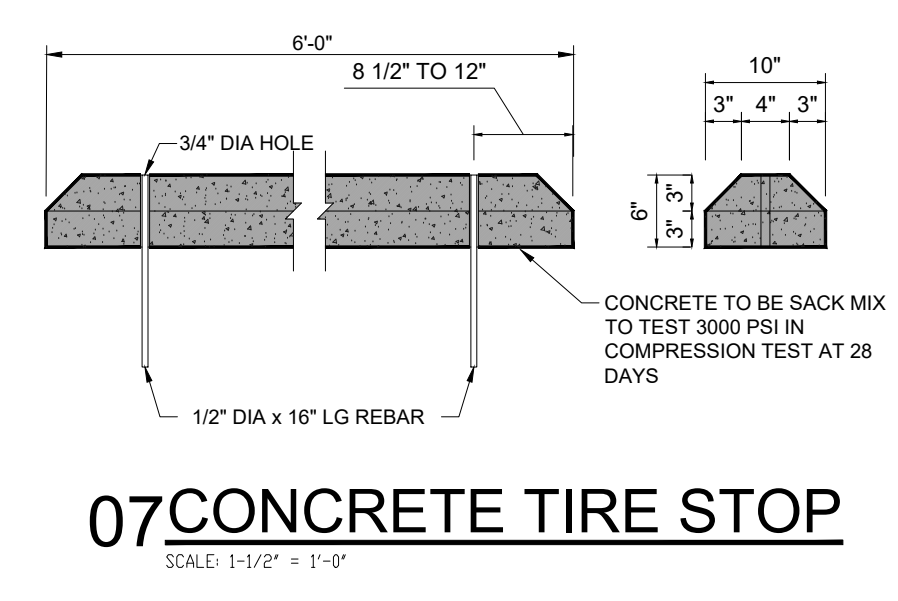
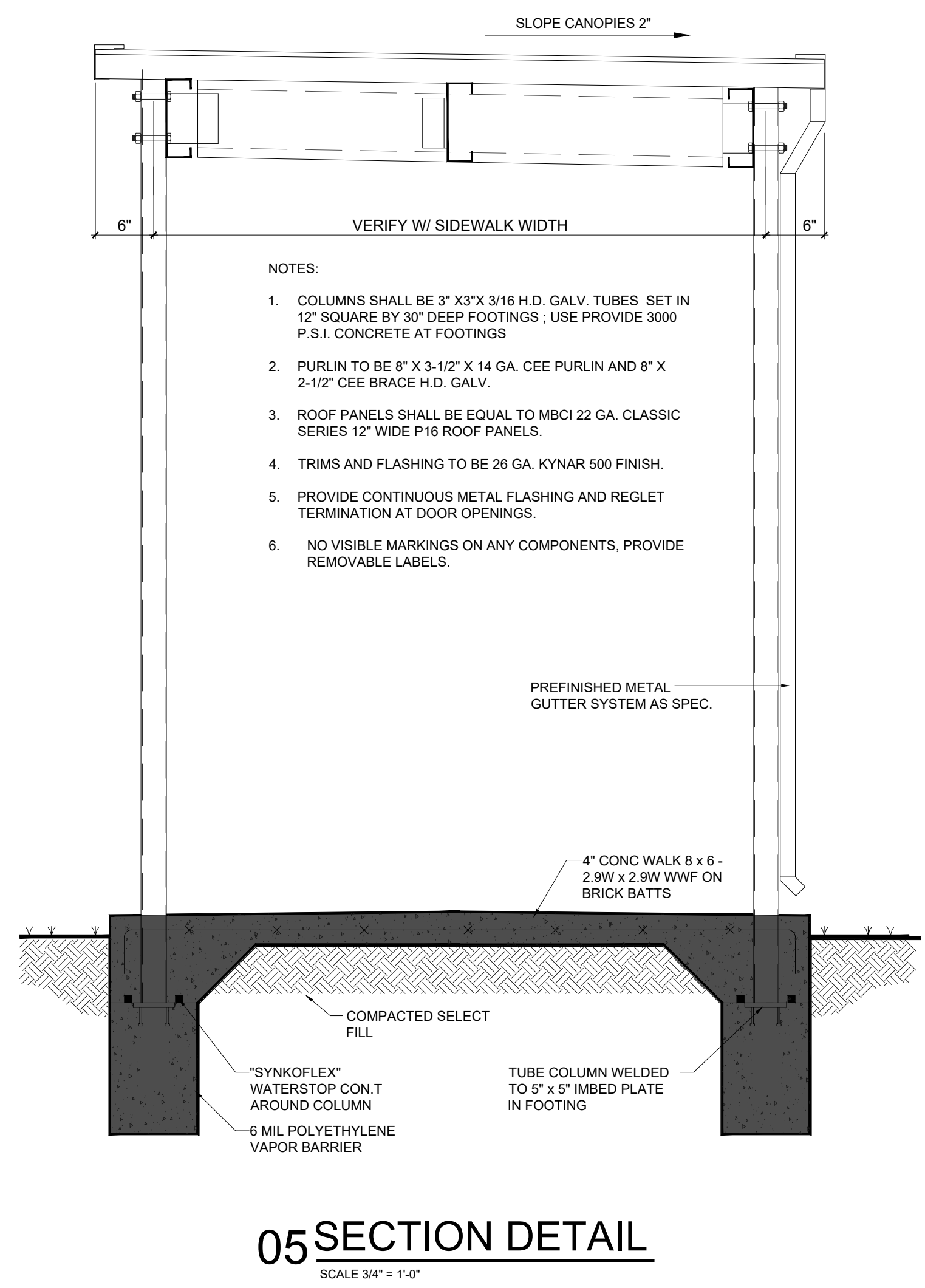
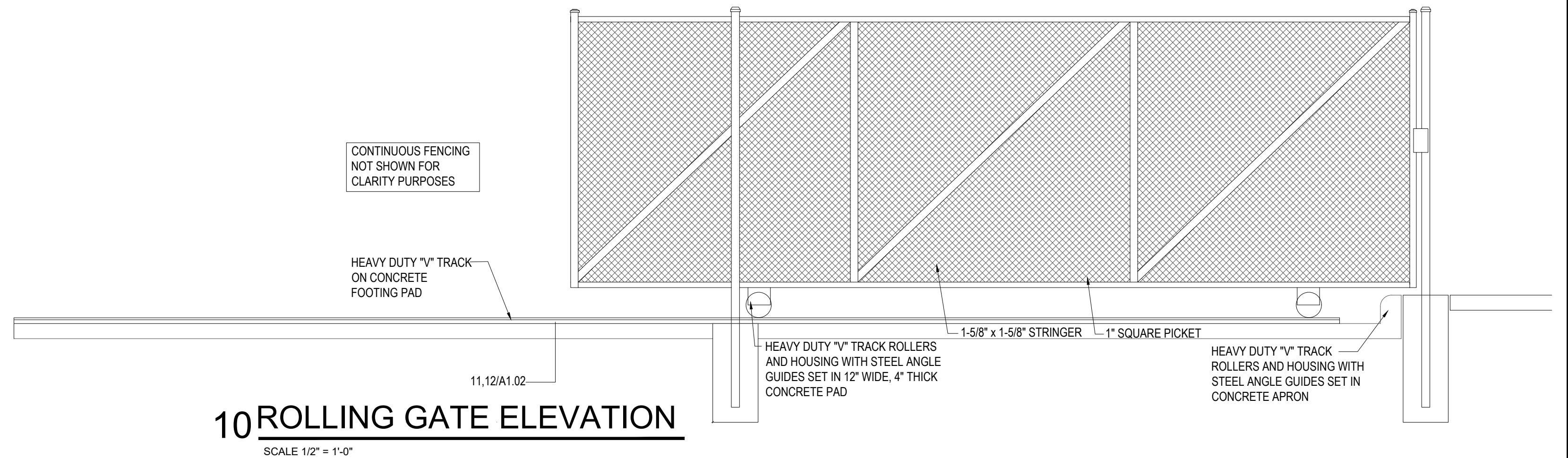
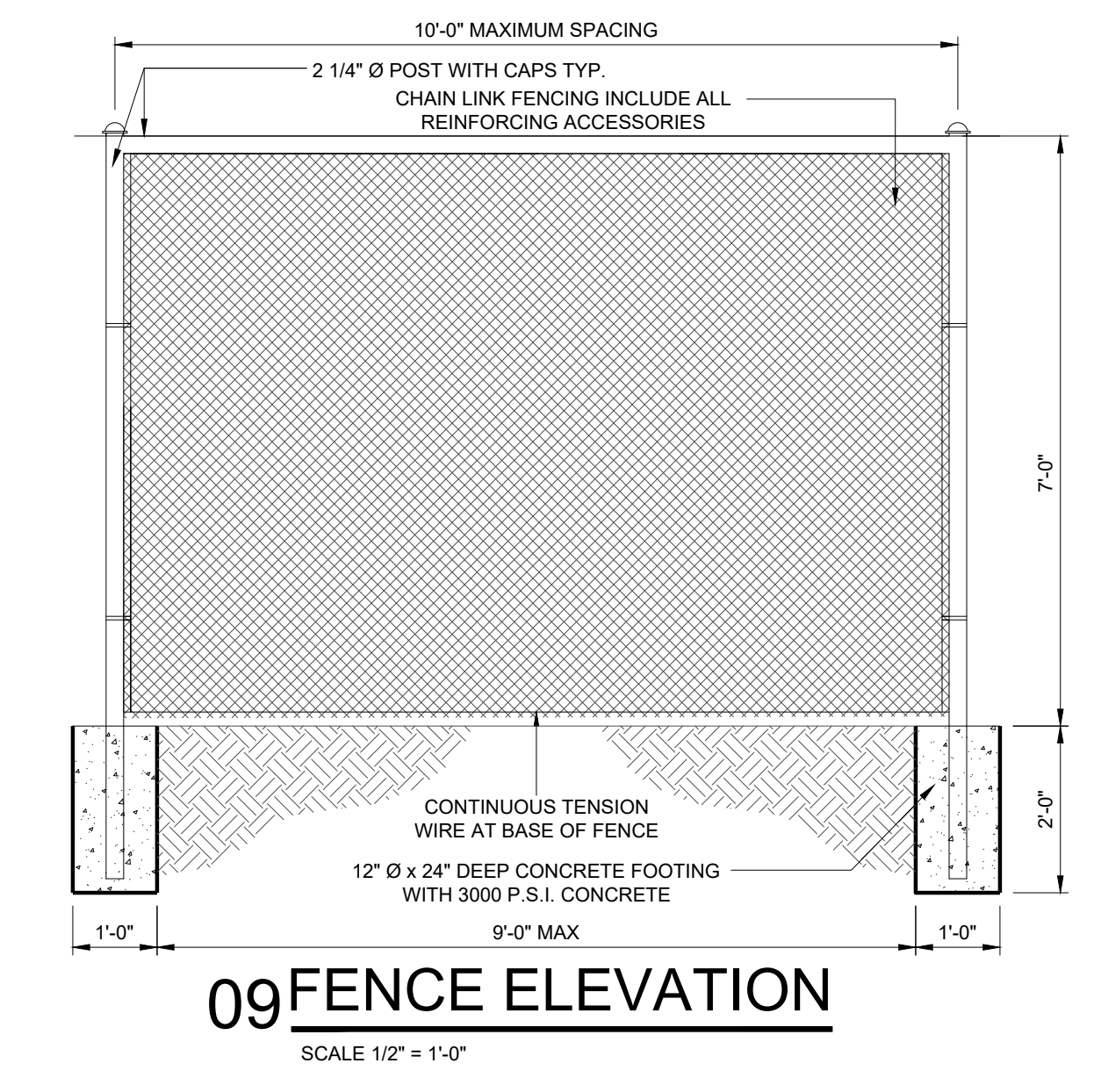
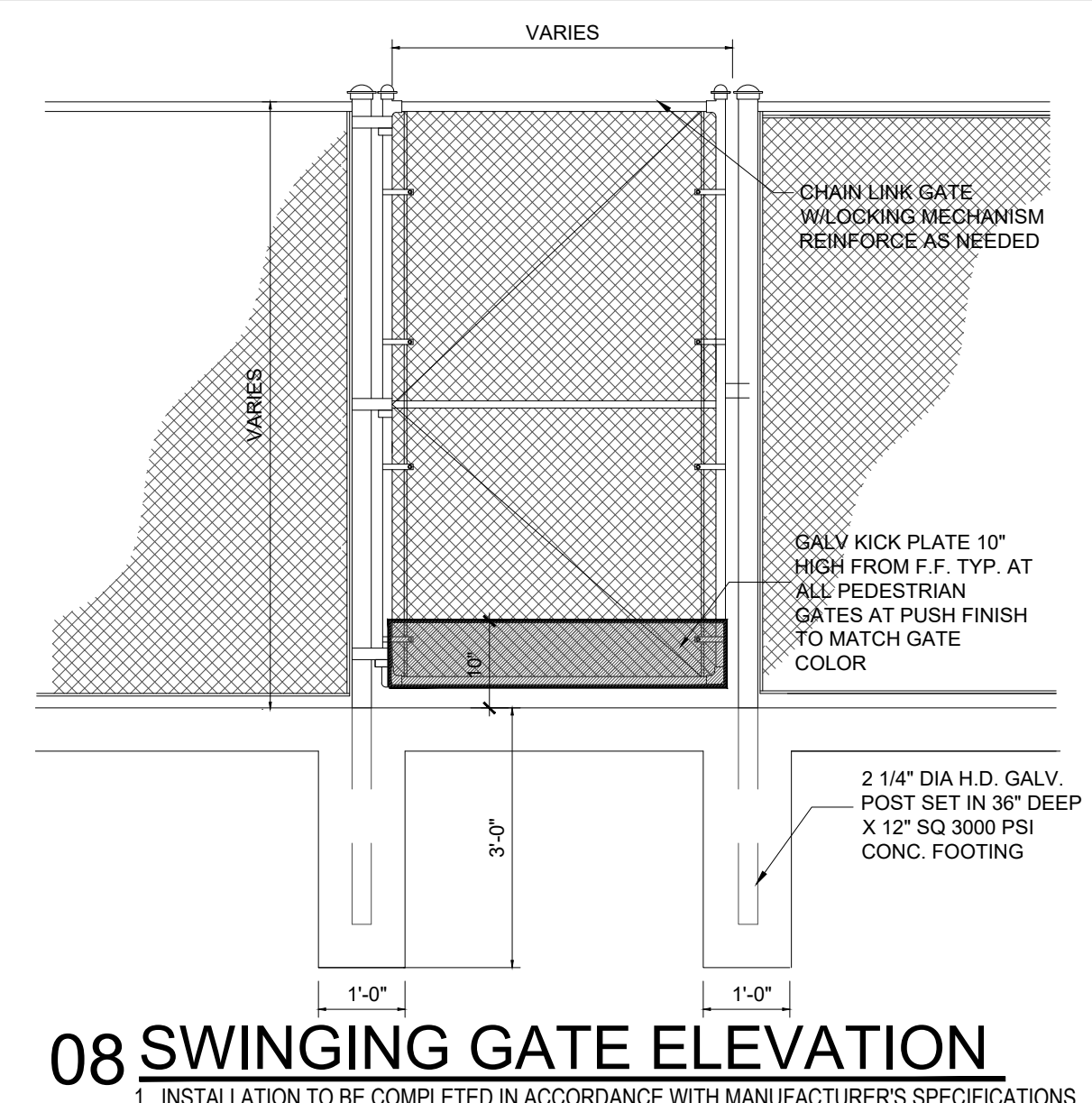






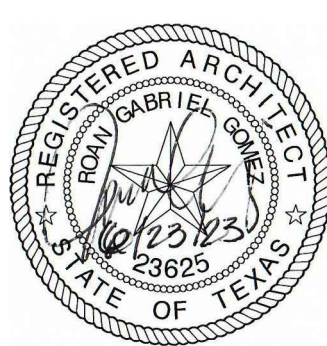


1.) CONTRACTOR TO VERIFY ALL BUILDING ROOF DRAINS & DOWN SPOUTS THAT WILL SPILL ONTO A SIDEWALK AND PROVIDE A TRENCH GUTTER AT THAT LOCATION TO ALLOW FOR RAIN WATER TO DRAIN THRU GUTTER AND NOT OVER SIDEWALK (WHICH COULD CAUSE A TRIPPING HAZARD). CONTRACTOR TO VERIFY TRENCH GUTTERS NEEDED PRIOR TO ANY POURING OF SIDEWALKS AROUND PERIMETER OF BUILDING. TYPICAL AT ALL BUILDINGS.  
 2.) REFER TO CIVIL DRAWINGS FOR ALL OTHER LOCATIONS OF TRENCH GUTTERS

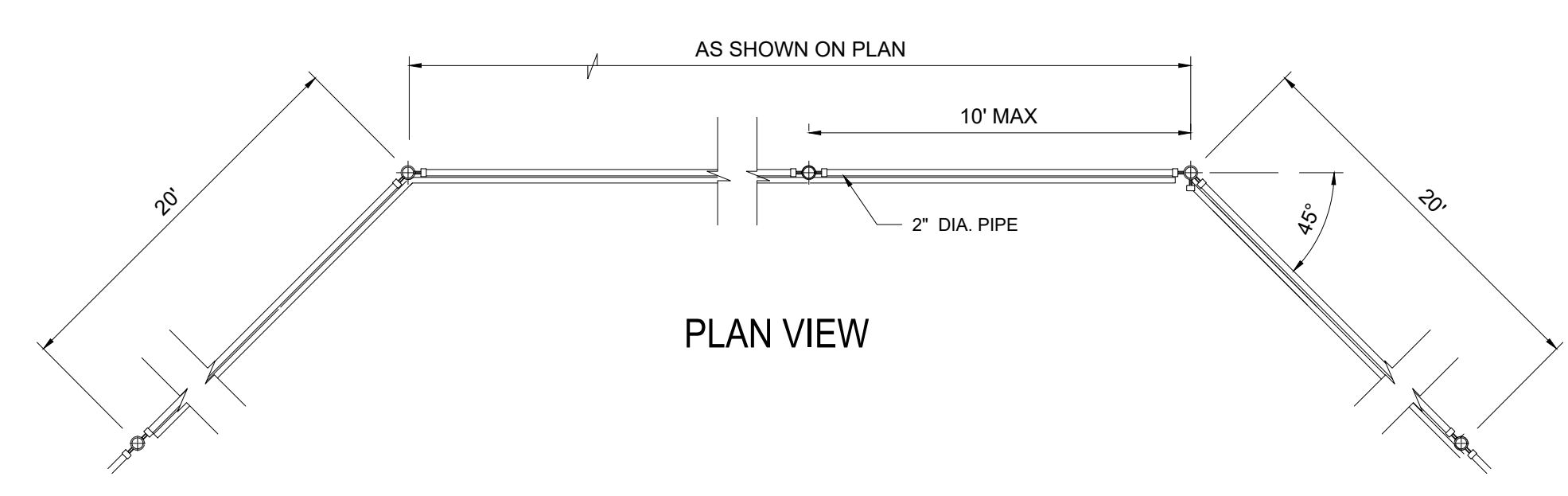


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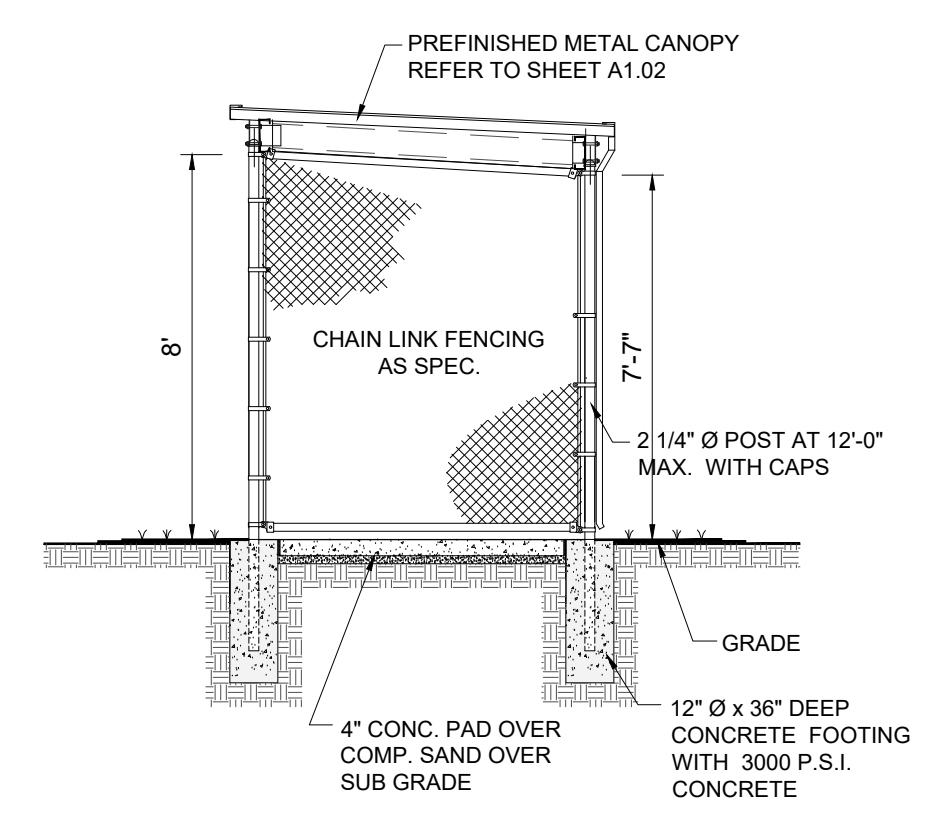




1.) PROVIDE ONE ON EACH SIDE OF PLAY FIELD AS SHOWN ON THIS PLAN

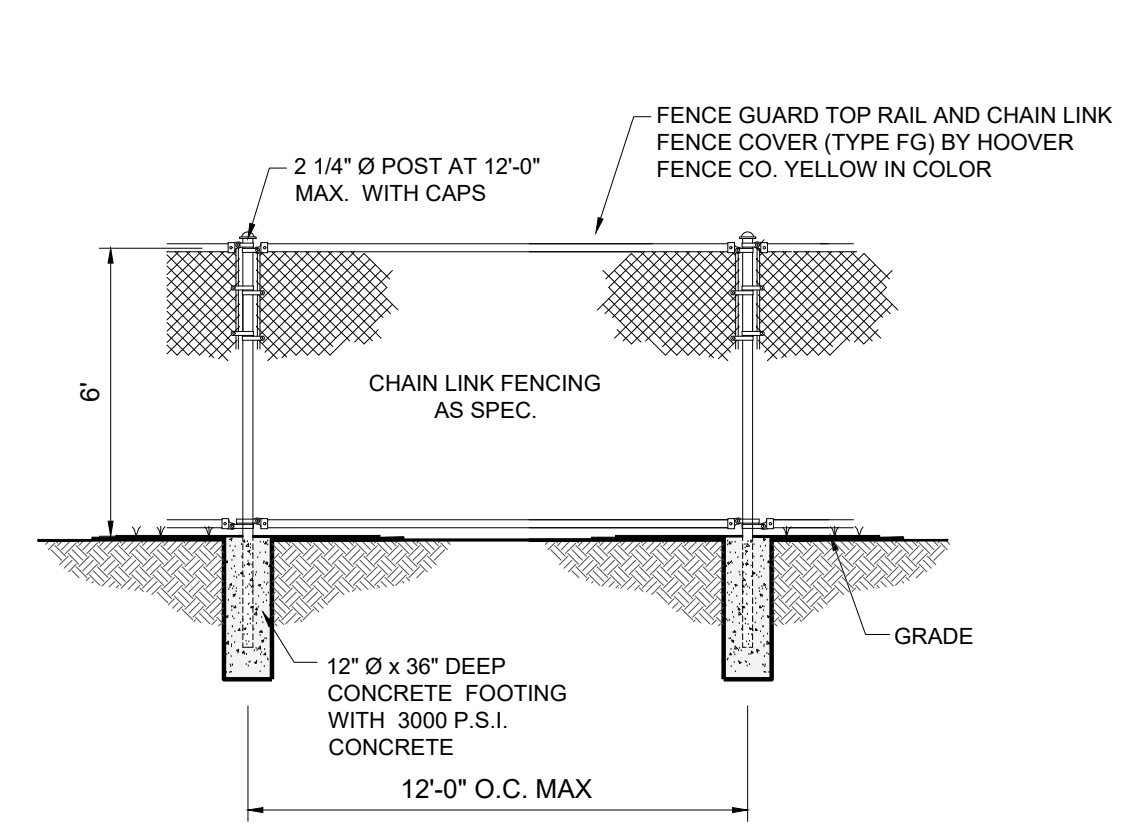


**PLAN VIEW**

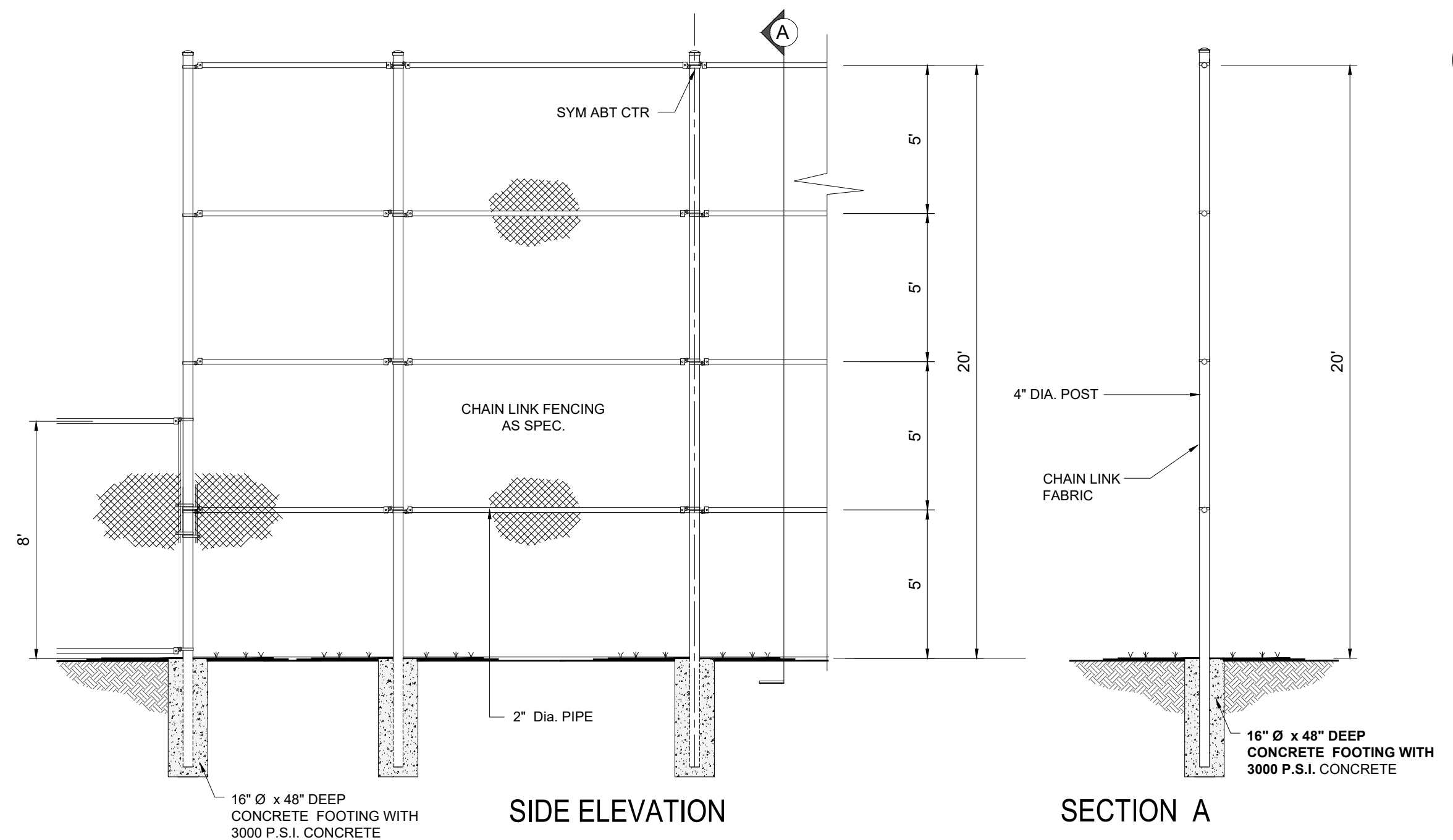


**06 DUG OUT DETAIL**  
 SCALE 1/4" = 1'-0"

1.) PROVIDE ONE ON EACH SIDE OF PLAY FIELD AS SHOWN ON THIS PLAN



**05 SIDE LINE FENCE**  
 SCALE 1/4" = 1'-0"

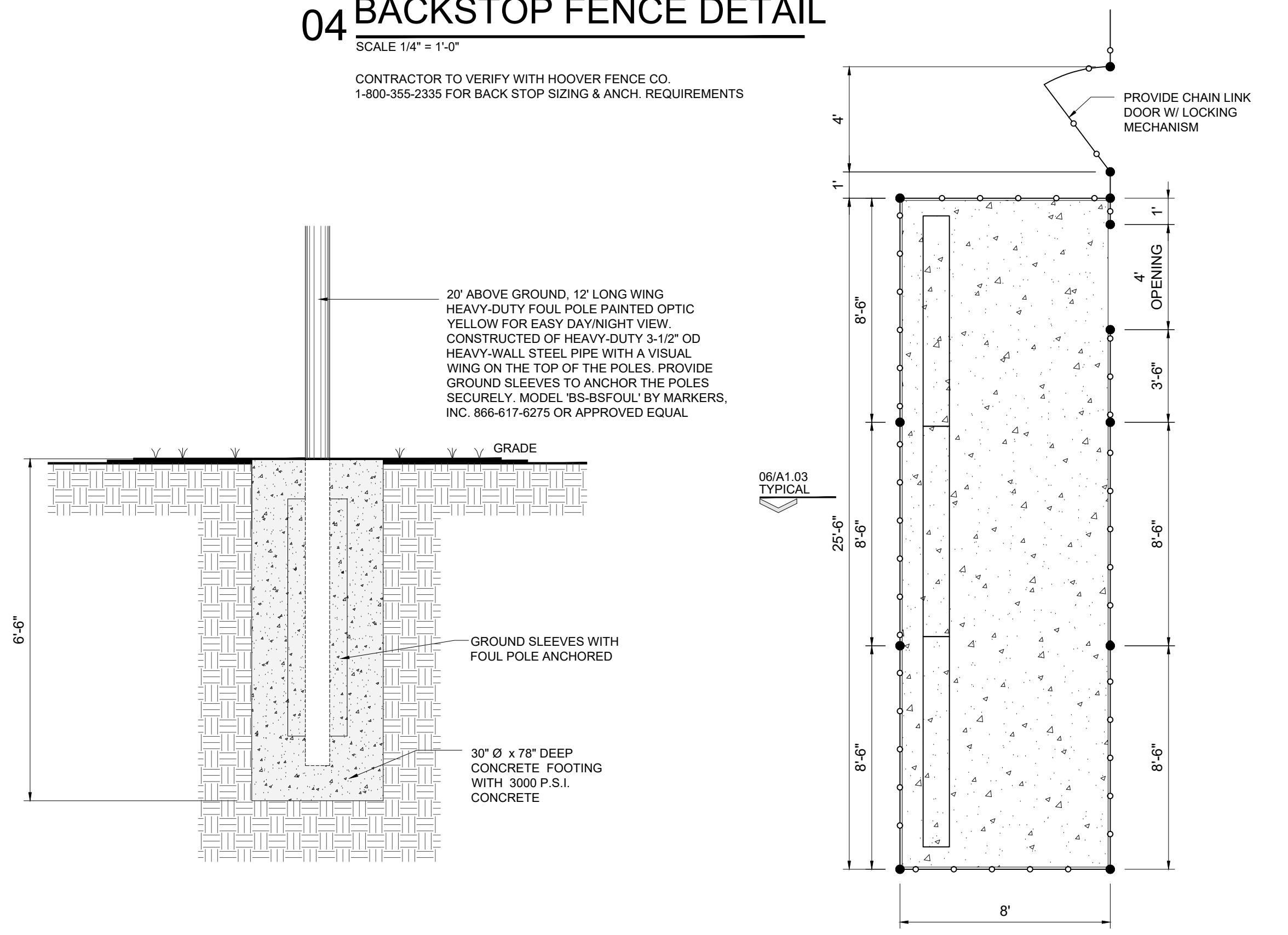


**SIDE ELEVATION**

**SECTION A**

**04 BACKSTOP FENCE DETAIL**  
 SCALE 1/4" = 1'-0"

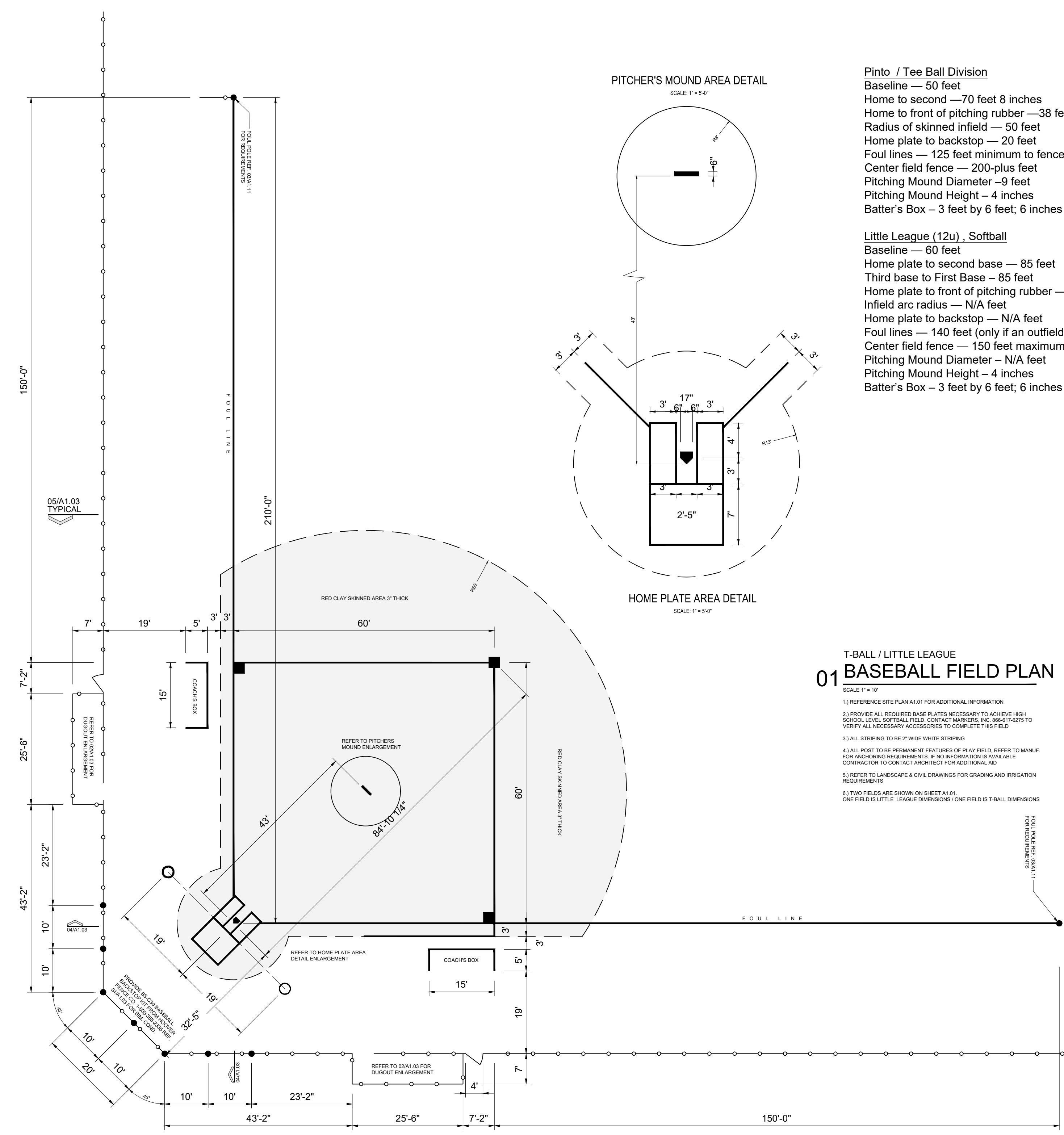
CONTRACTOR TO VERIFY WITH HOOVER FENCE CO.  
 1-800-355-2335 FOR BACK STOP SIZING & ANCH. REQUIREMENTS



**03 FOUL POLE DETAIL**  
 SCALE: 1/2" = 1'-0"

**02 DUGOUT ENLARGEMENT**  
 SCALE 1/8" = 1'-0"

PROVIDE TWO (2) 8'-0" LONG BENCH W/ BACK SUPPORT EQUAL TO BEP-G08 FROM MARKERS, INC. 866-617-6575 OR APPROVED EQUAL

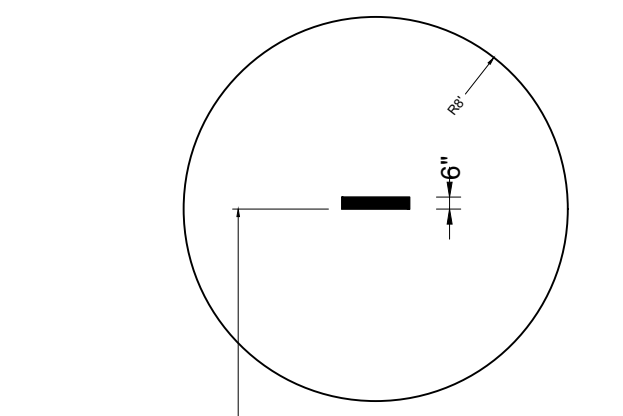


**01 BASEBALL FIELD PLAN**  
 SCALE 1" = 50'

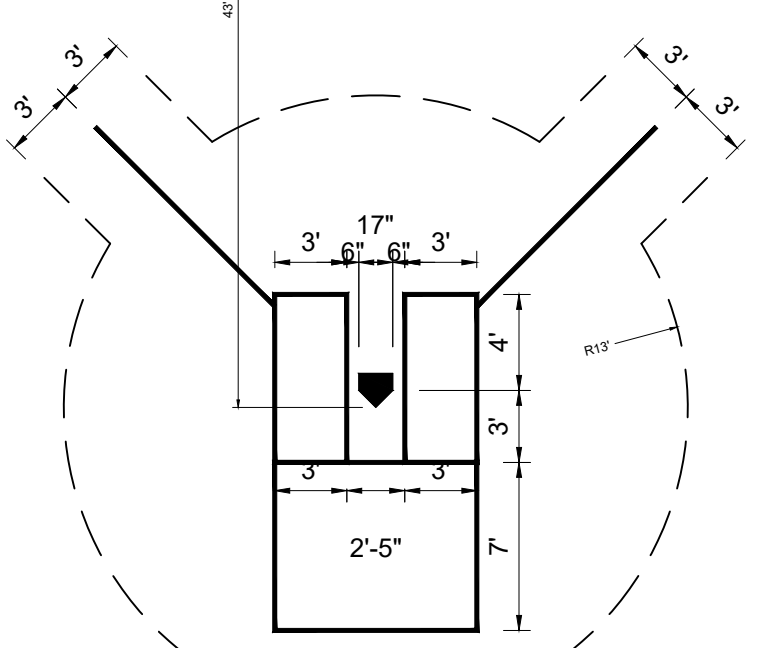
- 1.) REFERENCE SITE PLAN A1.01 FOR ADDITIONAL INFORMATION
- 2.) PROVIDE ALL REQUIRED BASE PLATES NECESSARY TO ACHIEVE HIGH SCHOOL LEVEL SOFTBALL FIELD CONTACT MARKERS, INC. 866-617-6575 TO VERIFY ALL NECESSARY ACCESSORIES TO COMPLETE THIS FIELD
- 3.) ALL STRING TO BE 2" WIDE WHITE STRING
- 4.) ALL POST TO BE PERMANENT FEATURES OF PLAY FIELD REFER TO MANUF. FOR ANCHORING REQUIREMENTS. IF NO INFORMATION IS AVAILABLE CONTRACTOR TO CONTACT ARCHITECT FOR ADDITIONAL AID
- 5.) REFER TO LANDSCAPE & CIVIL DRAWINGS FOR GRADING AND IRRIGATION REQUIREMENTS
- 6.) TWO FIELDS ARE SHOWN ON SHEET A1.01. ONE FIELD IS T-BALL DIMENSIONS ONE FIELD IS LITTLE LEAGUE DIMENSIONS

- Pinto / Tee Ball Division**  
 Baseline — 50 feet  
 Home to second — 70 feet 8 inches  
 Home to front of pitching rubber — 38 feet  
 Radius of skinned infield — 50 feet  
 Home plate to backstop — 20 feet  
 Foul lines — 125 feet minimum to fence  
 Center field fence — 200-plus feet  
 Pitching Mound Diameter — 9 feet  
 Pitching Mound Height — 4 inches  
 Batter's Box — 3 feet by 6 feet; 6 inches away from the home plate
- Little League (12u) , Softball**  
 Baseline — 60 feet  
 Home plate to second base — 85 feet  
 Third base to First Base — 85 feet  
 Home plate to front of pitching rubber — 46 feet  
 Infield arc radius — N/A feet  
 Home plate to backstop — N/A feet  
 Foul lines — 140 feet (only if an outfield fence is used)  
 Center field fence — 150 feet maximum (only if an outfield fence is used)  
 Pitching Mound Diameter — N/A feet  
 Pitching Mound Height — 4 inches  
 Batter's Box — 3 feet by 6 feet; 6 inches away from the home plate

**PITCHER'S MOUND AREA DETAIL**  
 SCALE 1" = 5'-0"



**HOME PLATE AREA DETAIL**  
 SCALE 1" = 5'-0"



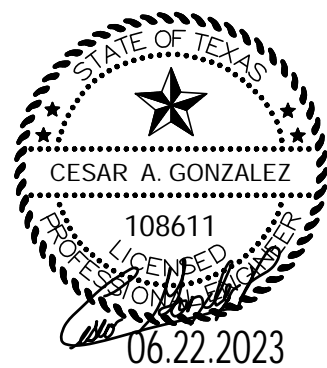
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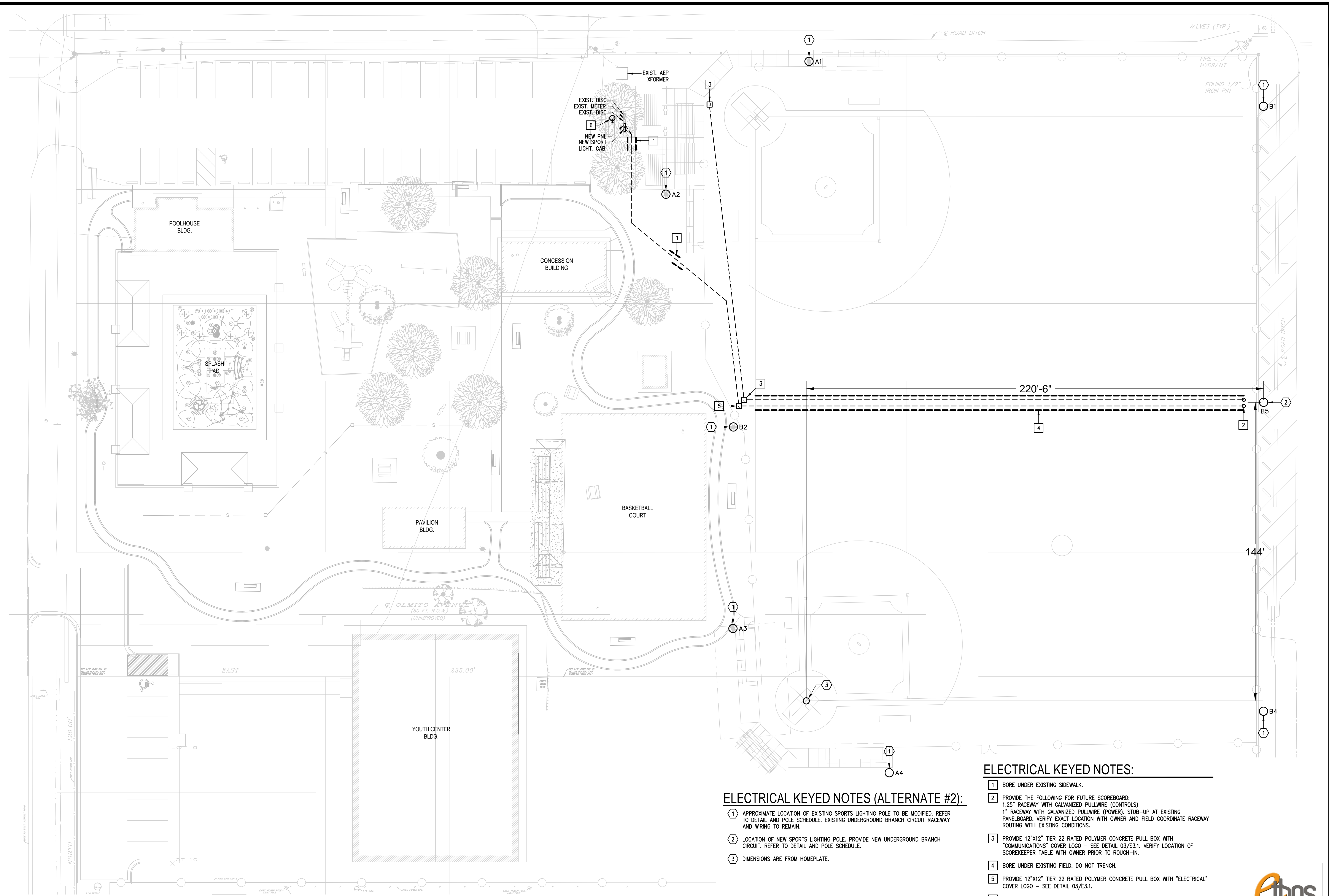
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**CAMERON COUNTY PARKS  
 SANTA ROSA PARK IMPROVEMENTS**



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 Interior Designers  
 Date: June 22, 2023  
 Scale: As Noted  
 Project Architect: Roan G. Gomez, AIA  
 Drawn By: ETHOS  
 Job No.: 22v114  
 Sheet:

**ES1.1**



**01 ELECTRICAL SITE PLAN**  
 SCALE: 1" = 20'-0"  
 NORTH

**ELECTRICAL KEYED NOTES (ALTERNATE #2):**

- ① APPROXIMATE LOCATION OF EXISTING SPORTS LIGHTING POLE TO BE MODIFIED. REFER TO DETAIL AND POLE SCHEDULE. EXISTING UNDERGROUND BRANCH CIRCUIT RACEWAY AND WIRING TO REMAIN.
- ② LOCATION OF NEW SPORTS LIGHTING POLE. PROVIDE NEW UNDERGROUND BRANCH CIRCUIT. REFER TO DETAIL AND POLE SCHEDULE.
- ③ DIMENSIONS ARE FROM HOMEPLATE.

**ELECTRICAL KEYED NOTES:**

- ① BORE UNDER EXISTING SIDEWALK.
- ② PROVIDE THE FOLLOWING FOR FUTURE SCOREBOARD:  
 1.25" RACEWAY WITH GALVANIZED PULLWIRE (CONTROLS)  
 1" RACEWAY WITH GALVANIZED PULLWIRE (POWER). STUB-UP AT EXISTING PANELBOARD. VERIFY EXACT LOCATION WITH OWNER AND FIELD COORDINATE RACEWAY ROUTING WITH EXISTING CONDITIONS.
- ③ PROVIDE 12"x12" TIER 22 RATED POLYMER CONCRETE PULL BOX WITH "COMMUNICATIONS" COVER LOGO - SEE DETAIL 03/E.3.1. VERIFY LOCATION OF SCOREKEEPER TABLE WITH OWNER PRIOR TO ROUGH-IN.
- ④ BORE UNDER EXISTING FIELD. DO NOT TRENCH.
- ⑤ PROVIDE 12"x12" TIER 22 RATED POLYMER CONCRETE PULL BOX WITH "ELECTRICAL" COVER LOGO - SEE DETAIL 03/E.3.1.
- ⑥ PROVIDE NEW IRRIGATION SYSTEM CONTROLLER WEATHERPROOF JUNCTION BOX TO BE MOUNTED ON EXISTING PEDESTAL. CONNECT TO EXISTING LOADCENTER LOCATED ON SAME PEDESTAL. PROVIDE NEW 20A/1P CIRCUIT BREAKER IN AVAILABLE SPACE TO MATCH EXISTING; BRANCH CIRCUIT: 1/2" - 2#12 & #12G. VERIFY LOCATION WITH LANDSCAPE ARCHITECT.

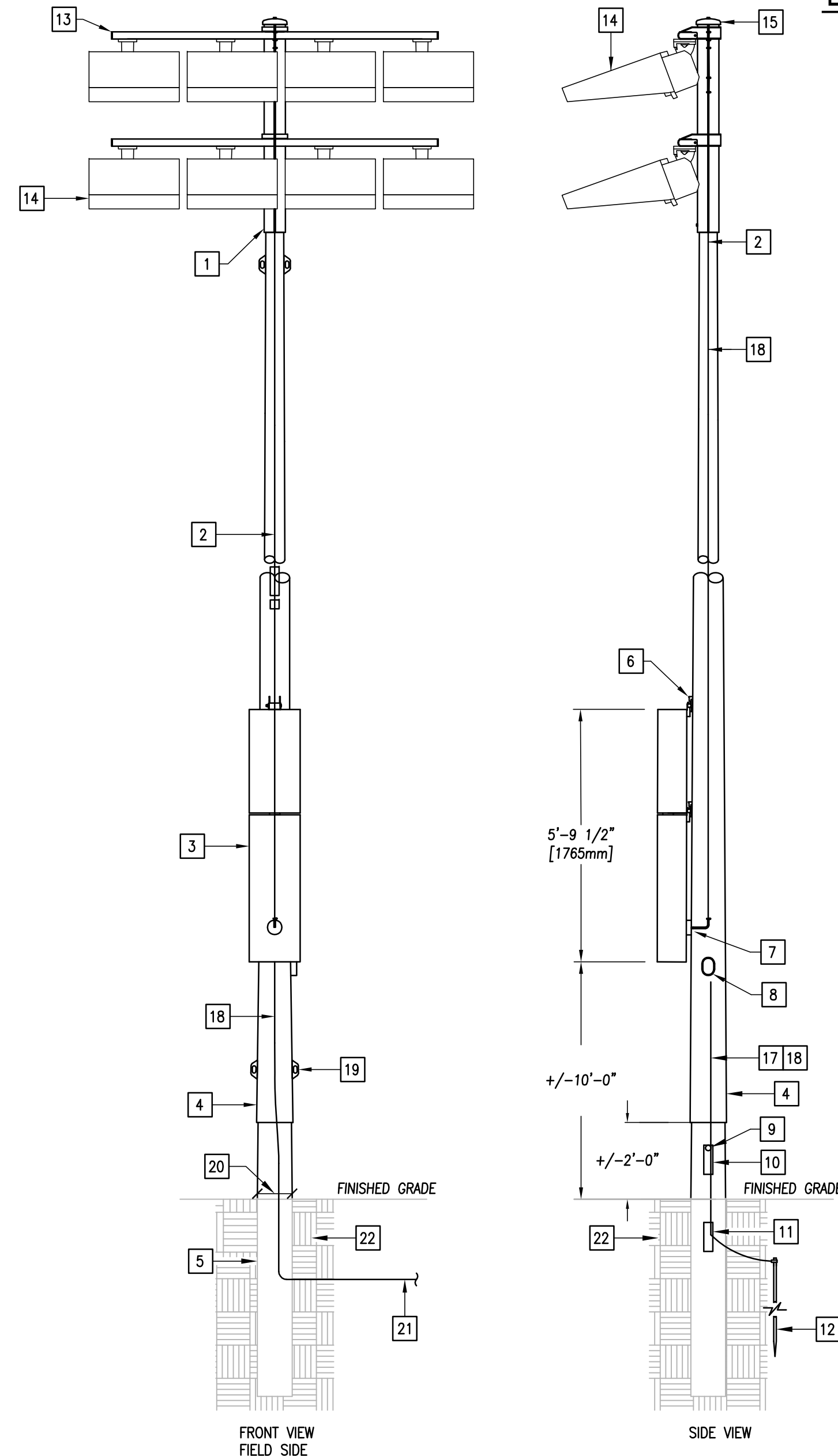


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**GENERAL NOTES:**

- COORDINATE WORK AMONG ALL DISCIPLINES. IT IS NOT THE INTENT OF THESE DOCUMENTS TO DICTATE WHO MUST DO THE WORK. ALL WORK SHOWN IS THE RESPONSIBILITY OF THE (PRIME) CONTRACTOR.
- FIELD VERIFY PROJECT SITE EXISTING CONDITIONS AND ELEVATIONS PRIOR TO BEGINNING ANY WORK.
- COORDINATE ELECTRICAL WITH GENERAL CONSTRUCTION.
- PHASING AND SEQUENCE OF CONSTRUCTION SHALL BE PER ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
- FIELD VERIFY/SPOT EXACT LOCATIONS AND EXISTING CONDITIONS OF EXISTING ELECTRICAL. IT IS THE INTENT OF THESE PLANS TO PROVIDE A COMPLETE AND WORKABLE SYSTEMS. SHOULD BIDDER FIND OMISSIONS OR DISCREPANCIES IN THE PLANS, BIDDER SHALL NOTIFY THE ENGINEER PRIOR TO THE BID DATE AND A WRITTEN CLARIFICATION WILL BE ISSUED.
- DAMAGED ITEMS SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. CONTRACTORS ARE REQUIRED TO SEARCH AND INVESTIGATE FOR EXISTING UTILITIES BEFORE EXCAVATING.
- ALL MATERIALS AND LABOR, WHETHER SPECIFICALLY INDICATED ON PLANS OR NOT, WHICH ARE NECESSARY FOR THE PROPER INSTALLATION AND FUNCTION OF THE SYSTEM SHALL BE FURNISHED BY THIS CONTRACTOR. INCLUDE ALL COSTS OF CHANGES, IF/AS REQUIRED IN BID PROPOSAL.
- PROVIDE J-BOXES (POLYMER CONCRETE) AS REQUIRED FOR PULL WIRING.
- ELECTRICAL WIRING SHALL NOT BE SPLICED BELOW GRADE.
- PERFORM ALL WORK PER LATEST VERSION OF NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES AND ORDINANCES, UNLESS DRAWINGS OR SPECIFICATIONS HAVE MORE STRINGENT REQUIREMENTS.
- CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS AND FEES ASSOCIATED WITH PROJECT, INCLUDING FEES FOR INSPECTIONS, APPLICATIONS, AND PROVISION OF NEW SERVICES.
- CONTRACTOR WHO WILL ACTUALLY PERFORM WORK MUST APPLY FOR ALL REQUIRED PERMITS.
- NOTIFY ENGINEER OF ANY ASPECTS OF DESIGN WHICH ARE THOUGHT TO BE IN NONCOMPLIANCE WITH APPLICABLE CODES.
- COORDINATE ALL WORK WITH OTHER TRADES; COORDINATE SCHEDULE OF WORK WITH ALL SUB-CONTRACTORS TO ACHIEVE SMOOTH FLOW OF CONSTRUCTION.
- TIME OR MONEY ALLOWANCES WILL NOT BE MADE TO ACCOMMODATE UTILITY CONFLICTS THAT CAN BE REASONABLY RESOLVED BY COORDINATION DURING SHOP DRAWING PHASE.
- CONTRACTOR SHALL REVIEW COMPLETE DOCUMENTS PRIOR TO SUBMITTAL OF PROPOSAL TO GAIN COMPLETE UNDERSTANDING OF PROJECT SCOPE, WORK BY OTHERS, AND ELECTRICAL WORK ASSOCIATED WITH OTHER DISCIPLINES.
- MAINTAIN MANUFACTURER RECOMMENDED CLEARANCE AROUND ALL EQUIPMENT.
- AFFIX ID TAGS TO ALL DIVISION 26 EQUIPMENT.
- FIELD VERIFY ALL CONDITIONS AND MEASURE DIMENSIONS PRIOR TO ORDERING EQUIPMENT AND/OR PROCEEDING WITH INSTALLATION.
- ALL EQUIPMENT SHALL BE FACTORY TESTED, AND CONTRACTOR SHALL VERIFY THEIR CONDITION PRIOR TO INSTALLATION. CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT DAMAGED DURING MOVING AND INSTALLATION.
- EQUIPMENT FOUND DEFECTIVE PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED AT NO COST TO OWNER.
- WORK TO BE DONE UNDER ALLOWANCES BECOMES AN INTEGRAL PART OF THE PROJECT AND RESPONSIBILITY OF CONTRACTOR ONCE ALLOWANCE IS APPROVED.
- CONTRACTOR SHALL NOT PROCEED WITH ANY WORK INVOLVING A CHANGE IN PROJECT SCOPE OR COST WITHOUT FIRST HAVING OBTAINED ENGINEER'S APPROVAL IN WRITING. UNLESS ENGINEER HAS AGREED TO SUCH CHANGE PRIOR TO IT BEING DONE, AND HAS AGREED THAT AN INCREASE IN COST ASSOCIATED WITH SUCH CHANGE IS WARRANTED; CONTRACTOR WILL NOT BE REIMBURSED FOR SUCH CHANGE.



**01 TYPICAL NEW SPORTS LIGHTING LIGHT POLE DETAIL (ALTERNATE #2)**  
SCALE: NOT TO SCALE

**LIGHT POLE DETAIL KEYED NOTES:**

- POLETOP LUMINAIRE ASSEMBLY.
- PROVIDE WIRE HARNESS.
- PROVIDE ELECTRICAL COMPONENTS ENCLOSURES
  - a. DRIVERS
  - b. CAPACITORS
  - c. SMART LAMP CONTROL
  - d. FUSING
  - e. PRIMARY LANDING LUGS
  - f. ONE DISCONNECT PER CIRCUIT
  - g. PER LIGHT-STRUCTURE GREEN SYSTEM
  - h. GROUNDING LUG
- PROVIDE GALVANIZED STEEL POLE (1, 2, 3, OR 4 SECTIONS).
- PRECAST CONCRETE BASE (CENTRIFUGALLY SPUN PRESTRESSED).
- ATTACHMENT BRACKET.
- WIRE ACCESS HUB.
- HANDHOLE WITH GROUNDING LUG ACCESS.
- LIFTING BAR HOLE.
- ABOVE GROUND ACCESS HOLE.
- UNDERGROUND ACCESS HOLE.
- PROVIDE 3/4" X 10' GROUNDING ROD.
- PROVIDE HOT DIP GALVANIZED CROSS ARM WITH CONCEALED WIRING.
- EACH LIGHT FIXTURE SHALL BE INDIVIDUALLY FUSED. SEE POLE SCHEDULE FOR NUMBER OF LIGHT FIXTURES AT EACH POLE.
- REMOVABLE POLE CAP.
- NOT USED.
- PROVIDE #2 GROUND WIRE.
- PROVIDE WIRING INSIDE POLE - TYP.
- JACKING EAR.
- POLE DIAM. AT BASE. COORDINATE W/ SUPPLIER.
- PROVIDE SPORTS LIGHTING ELECTRICAL RACEWAY TO POWER SOURCE SEE SHEET SIDE PLAN.
- PROVIDE CONCRETE BACKFILL ALL AROUND POLE PER POLE MANUF. RECOMMENDATIONS.

**NORTH FIELD ILLUMINATION SUMMARY**

MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	52.82	31.39
Maximum:	64	47
Minimum:	38	19
Avg / Min:	1.40	1.64
Guaranteed Max / Min:	2	2.5
Max / Min:	1.70	2.48
UG (adjacent pts):	1.41	1.72
CU:	0.73	
No. of Points:	25	71

LUMINAIRE INFORMATION  
Applied Circuits: A  
No. of Luminaires: 15  
Total Load: 16.99 kW

**SOUTH FIELD ILLUMINATION SUMMARY**

MAINTAINED HORIZONTAL FOOTCANDLES		
	Infield	Outfield
Guaranteed Average:	50	30
Scan Average:	50.27	32.56
Maximum:	64	47
Minimum:	40	20
Avg / Min:	1.25	1.67
Guaranteed Max / Min:	2	2.5
Max / Min:	1.60	2.42
UG (adjacent pts):	1.26	1.58
CU:	0.73	
No. of Points:	25	67

LUMINAIRE INFORMATION  
Applied Circuits: B  
No. of Luminaires: 15  
Total Load: 16.4 kW

**SPORTS LIGHTING - POLE SCHEDULE (ALTERNATE #2)**

DESIG	POLE HT.	MOUNTING HT.	NO. OF FIXTURES "SL1"	NO. OF FIXTURES "SL2"	NO. OF FIXTURES "SL3"	NO. OF DRIVERS	NOTES	CONTRACTOR I.D. /AMPS/ZONE
<b>SOFTBALL FIELD</b>								
A1	60 FT	60 FT	2	1	-	3	1	C1/30/1
A2	60 FT	60 FT	2	1	-	3	1	C2/30/1
		60 FT	-	1	-	1	1	C9/30/3
A3	60 FT	60 FT	2	1	-	3	1	C5/30/2
A4	60 FT	60 FT	2	1	-	3	1	C6/30/2
B1	70 FT	70 FT	5	-	-	5	1	C3/30/1
B2	70 FT	70 FT	4	-	-	4	1	C4/30/1
		70 FT	3	-	1	4	1	C7/30/2
B4	70 FT	70 FT	5	-	-	5	1	C8/30/2
B5	70 FT	70 FT	5	-	-	5	2	C10/30/4

- NOTES:  
1. EXISTING SPORTS LIGHTING POLE.  
2. NEW SPORTS LIGHTING POLE.

**POLE CONNECTION SCHEDULE (ALT. #2):**

POLE ID	FLA	OCF	VOLTAGE/PHASE	APPROX. DIST. (FT)	%VD	BRANCH CIRCUIT
B5	10.5	20	480V/3PH	450	2.15	1" - 3#10 & #10G

- GENERAL NOTES:  
1. FEEDER DISTANCES ARE FOR VOLTAGE DROP CALCULATIONS ONLY, NOT FOR BIDDING PURPOSES.  
2. DON'T SPLICE WIRING BELOW GRADE. PROVIDE ABOVE GRADE CAST ALUMINUM BOXES AT POLE BASE.  
3. PROVIDE PULLBOXES AS REQUIRED, SIZE PER NEC. PROVIDE WHERE REQUIRED FOR PULLING NEEDS.

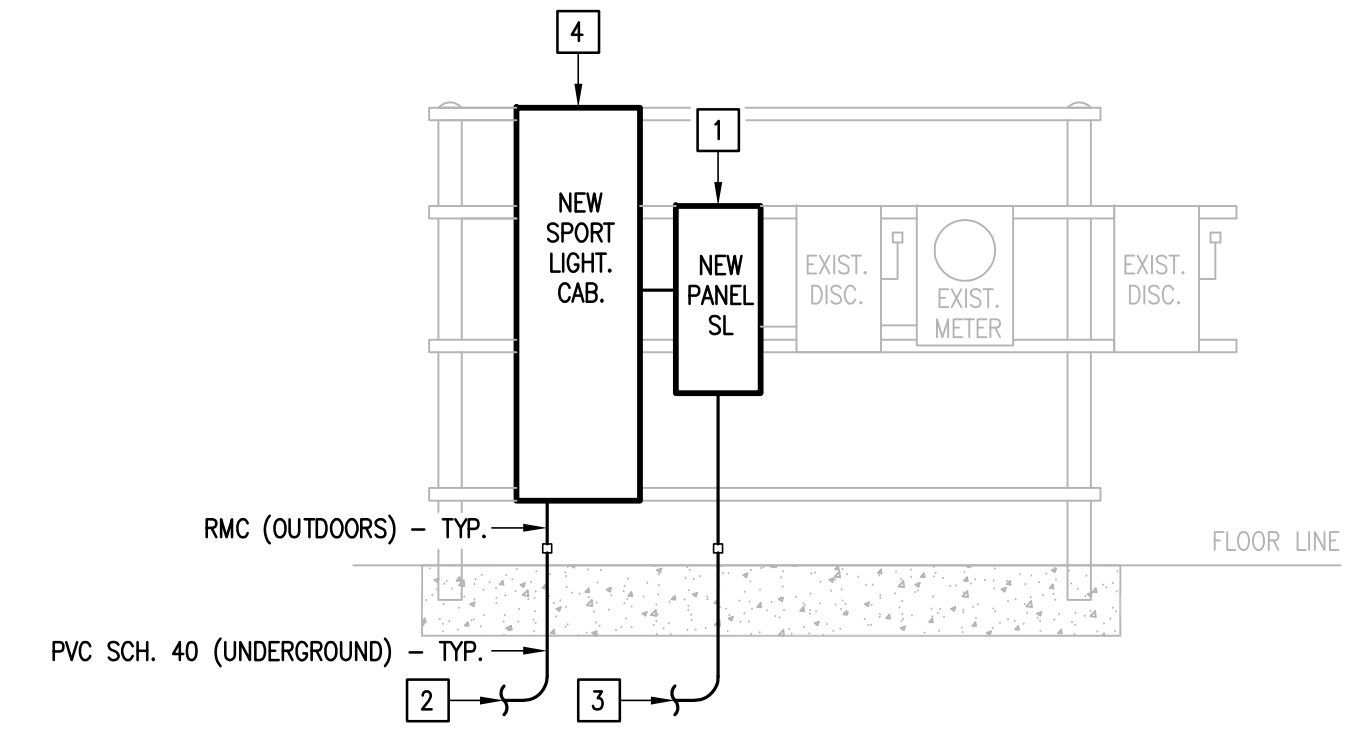
SPORTS LIGHTING FIXTURE SCHEDULE (ALTERNATE #2)

Type	Model	Source	Wattage	Lumens
SL1	MUSCO: TLC-LED-1200	LED 5700K - 75 CRI	1170W	136,000
SL2	MUSCO: TLC-LED-900	LED 5700K - 75 CRI	890W	89,600
SL3	MUSCO: TLC-LED-600	LED 5700K - 75 CRI	580W	65,600

**SL (ALTERNATE #2)**

CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	40/3	EXISTING LOAD	0	0	0	2	40/3	EXISTING LOAD	0	0	0
3						4					
5						6					
7	20/3	EXISTING LOAD	0	0	0	8	20/3	EXISTING LOAD	0	0	0
9						10					
11						12					
13	20/3	EXISTING LOAD	0	0	0	14	20/3	EXISTING LOAD	0	0	0
15						16					
17						18					
19	30/3	EXISTING LOAD	0	0	0	20	20/2	EXISTING LOAD	0	0	0
21						22					
23						24	20/1	SPACE	0	0	0
25	20/3	POLE B5	2.91	2.91	2.91	26	20/1	SPACE	0	0	0
27						28	20/1	SPACE	0	0	0
29						30	20/1	SPACE	0	0	0
31	20/1	SPACE	0	0	0	32	20/1	SPACE	0	0	0
33	20/1	SPACE	0	0	0	34	20/1	SPACE	0	0	0
35	20/1	SPACE	0	0	0	36	20/1	SPACE	0	0	0
37	20/1	SPACE	0	0	0	38	20/1	SPACE	0	0	0
39	20/1	SPACE	0	0	0	40	20/1	SPACE	0	0	0
41	20/1	SPACE	0	0	0	42	20/1	SPACE	0	0	0
TOTAL CONNECTED KVA BY PHASE									2.91	2.91	2.91
LIGHTING			CONN KVA	8.73	CALC KVA	10.9	(125%)	TOTAL LOAD	10.9	BALANCED 3-PHASE LOAD	13.1 A

1. PROVIDE NEMA 3R OUTDOOR ENCLOSURE.



**02 ALTERNATE #2 - EXTERIOR RACK ELECTRICAL RISER DIAGRAM**  
SCALE: NONE

**ELECTRICAL RISER DIAGRAM KEYED NOTES:**

- EXISTING EATON 225A, 480/277V, 3φ, 4-WIRE, N3R PANELBOARD TO BE REPLACED. TEMPORARILY DISCONNECT FEEDER AND BRANCH CIRCUITS FOR THE REMOVAL OF EXISTING PANELBOARD. PROVIDE NEW PANEL AS PER SCHEDULE. TERMINATE FEEDER AND BRANCH CIRCUITS TO NEW PANEL.
- PROVIDE SPORTS LIGHTING BRANCH CIRCUIT TO NEW POLE "B5". SEE SITE PLAN AND SCHEDULES.
- PROVIDE FUTURE SCOREBOARD RACEWAY WITH GALVANIZED PULLWIRE. SEE SITE PLAN.
- EXISTING SPORTS LIGHTING CONTROL CABINET TO BE REPLACED. TEMPORARILY DISCONNECT BRANCH CIRCUITS FOR THE REMOVAL OF EXISTING CABINET. PROVIDE NEW AS PER SCHEDULE. TERMINATE SPORTS LIGHTING BRANCH CIRCUITS TO NEW SPORTS LIGHTING CONTROL CABINET.

**ABBREVIATIONS:**

A	AMPS
AFF	ABOVE FINISHED FLOOR
C.	CONDUIT OR COMMON
COND.	CONDUIT
CU.	COPPER
DISC.	DISCONNECT
EXT.	EXTERNAL OR EXTERIOR
G.	GROUND
GAGE	GAGE
GALV.	GALVANIZED
GRND.	GROUND
MOCF	MAX. OVERCURRENT PROTECTION
NTS	NOT TO SCALE
P	POLE(S)
PH	PHASE
SS	STAINLESS STEEL
UG	UNDERGROUND
UNO	UNLESS OTHERWISE NOTED
V	VOLTS
W	WIRE

**GENERAL SYMBOL LEGEND:**

SYMBOL	DESCRIPTION	MNTG. HT. UNO
	ELECTRICAL PANELBOARD - SURFACE MOUNTED	AS REQUIRED
	UNDERGROUND RACEWAY	AS REQUIRED

**SCOPE OF WORK**

- GENERAL: THE "CAMERON COUNTY PARKS - SANTA ROSA PARK IMPROVEMENTS" CONSISTS OF VARIOUS UPGRADES TO AN EXISTING PARK; UPGRADES TO THE EXISTING SPORTS LIGHTING AS PART OF AN ALTERNATE BID. THESE PREMISES WILL GENERALLY BE OPERATED FROM 7:00AM TO 8:00PM. (MONDAY THROUGH SUNDAY).
- ELECTRICAL: PROVIDE ALL MATERIALS AND LABOR ASSOCIATED WITH A COMPLETE OPERATIONAL ELECTRICAL DISTRIBUTION SYSTEM. MAJOR ITEMS OF WORK INCLUDE, BUT ARE NOT LIMITED TO:
  - (A) DEMOLITION (ALTERNATE #2):
    - (i) DISCONNECT AND REMOVE EXISTING SPORTS LIGHTING HEADS FOR RETROFIT.
    - (ii) DISCONNECT AND REMOVE EXISTING SPORTS LIGHTING ELECTRICAL PANEL FOR REPLACEMENT.
    - (iii) DISCONNECT AND REMOVE EXISTING SPORTS LIGHTING CONTROL CABINET FOR REPLACEMENT.
  - (B) SPORTS LIGHTING ELECTRICAL SERVICE (ALTERNATE #2): REPLACE EXISTING PANELBOARD AND MUSCO SPORTS LIGHTING CONTACTOR CABINET AS NOTED ON DRAWINGS. SEE ELECTRICAL RISER DIAGRAM.
  - (C) EXTERIOR ATHLETIC LIGHTING (ALTERNATE #2): SEE PLANS AND SPECIFICATIONS FOR DETAILED SCOPE OF WORK.
  - (D) FUTURE SCOREBOARD: PROVIDE RACEWAYS, PULLWIRE, AND PULL BOXES AS PER PLANS AND SPECIFICATIONS.
  - (E) POWER SYSTEMS: PROVIDE POWER FOR IRRIGATION CONTROLLER.
  - (F) COMMISSIONING: PROVIDE FOR LIGHTING EQUIPMENT AND LIGHTING CONTROLS AS REQUIRED PER IECC 2018.

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Architects-Planners  
Interior Designers

Date: June 22, 2023  
Scale: As Noted  
Project Architect: Roan G. Gomez, AIA  
Drawn By: ETHOS  
Job No.: 22x114  
Sheet:



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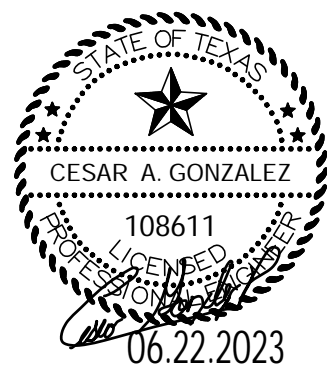
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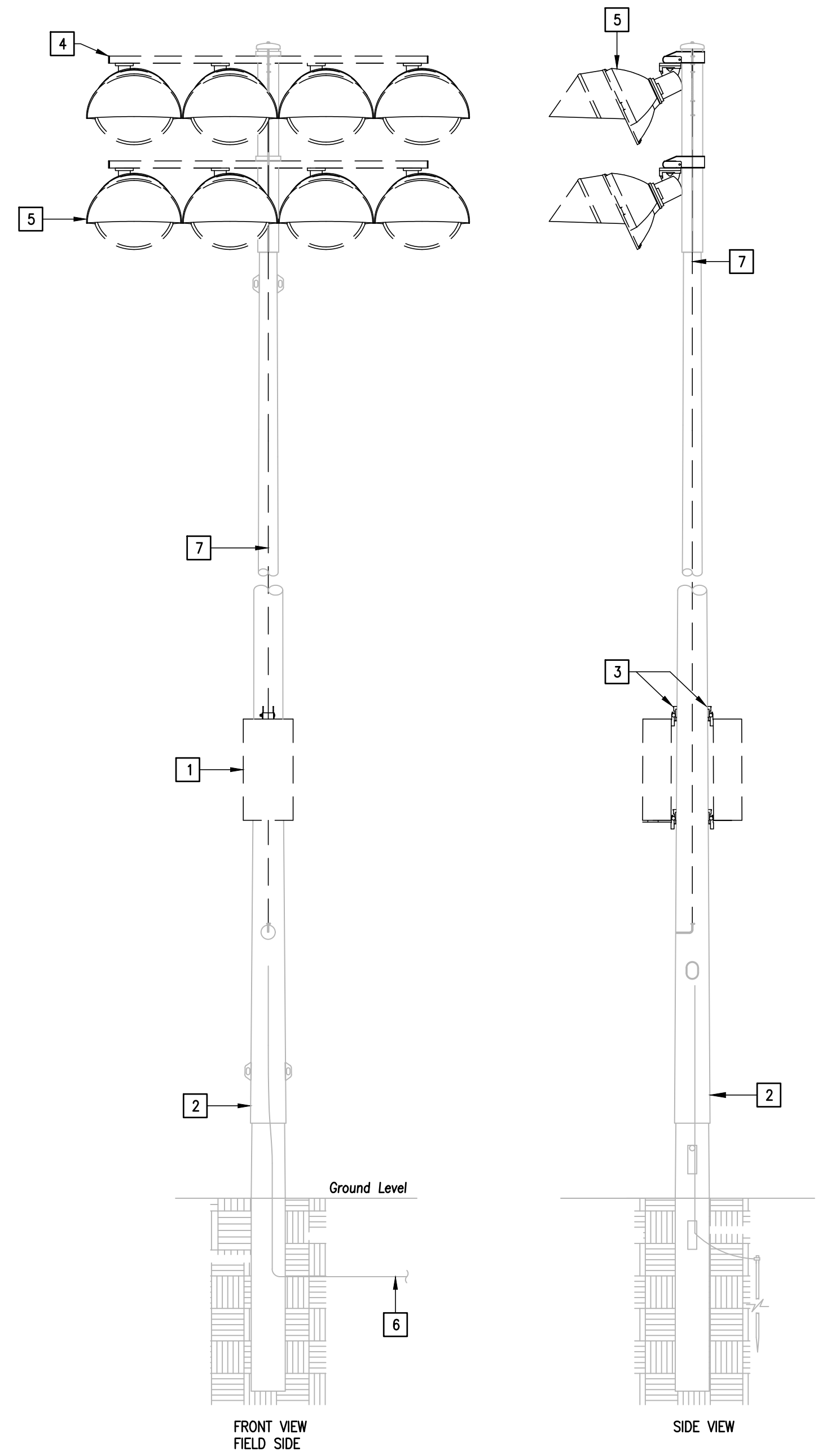
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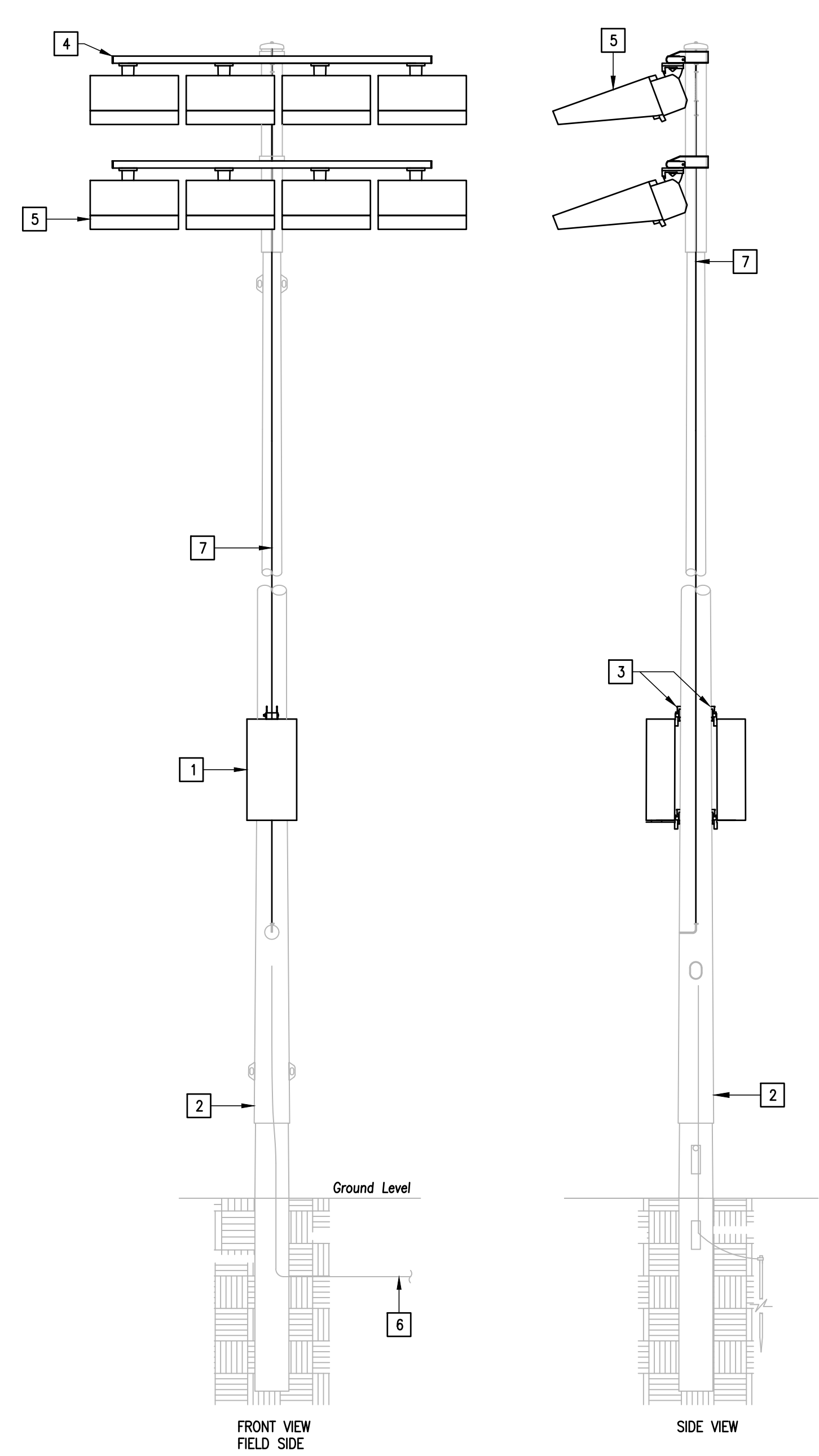
**E3.1**



**LIGHT POLE DEMOLITION DETAIL NOTES:**

- 1 ELECTRICAL COMPONENTS ENCLOSURES TO BE REMOVED FOR REPLACEMENT.
- 2 EXISTING GALVANIZED STEEL POLE TO REMAIN.
- 3 ATTACHMENT BRACKET TO BE REMOVED.
- 4 REMOVE EXISTING CROSS ARM.
- 5 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES FOR REPLACEMENT.
- 6 EXISTING SPORTS LIGHTING ELECTRICAL BRANCH CIRCUITS TO REMAIN.
- 7 REMOVE EXISTING WIRE HARNESS FOR REPLACEMENT.

**01 TYPICAL EXISTING SPORTS LIGHTING  
 LIGHT POLE DEMOLITION DETAIL (ALTERNATE #2)**  
 SCALE : NOT TO SCALE



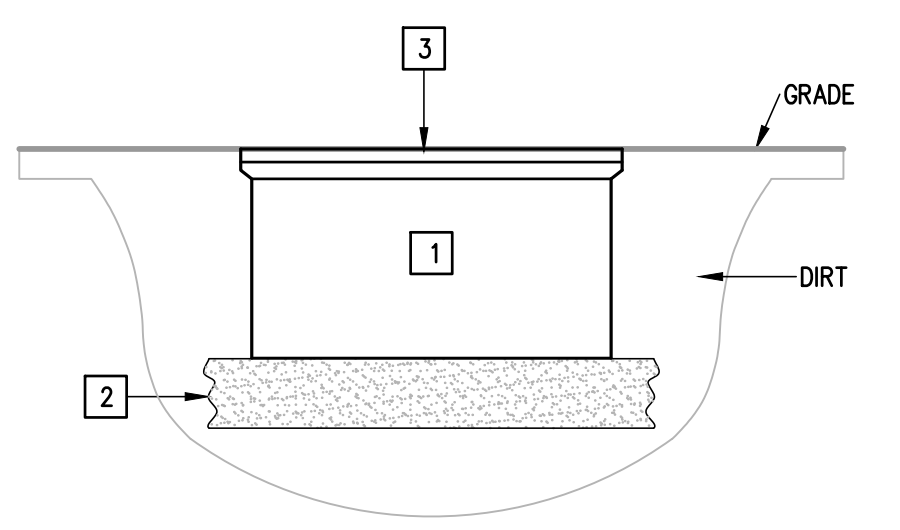
**LIGHT POLE MODIFICATIONS DETAIL NOTES:**

- 1 PROVIDE NEW ELECTRICAL COMPONENTS ENCLOSURES.
- 2 EXISTING GALVANIZED STEEL POLE.
- 3 PROVIDE NEW ATTACHMENT BRACKET.
- 4 PROVIDE NEW CROSS ARM.
- 5 PROVIDE NEW LIGHT FIXTURES. EACH LIGHT FIXTURE SHALL BE INDIVIDUALLY FUSED. SEE POLE SCHEDULE FOR NUMBER OF LIGHT FIXTURES AT EACH POLE.
- 6 EXISTING SPORTS LIGHTING ELECTRICAL BRANCH CIRCUITS.
- 7 PROVIDE NEW WIRE HARNESS.

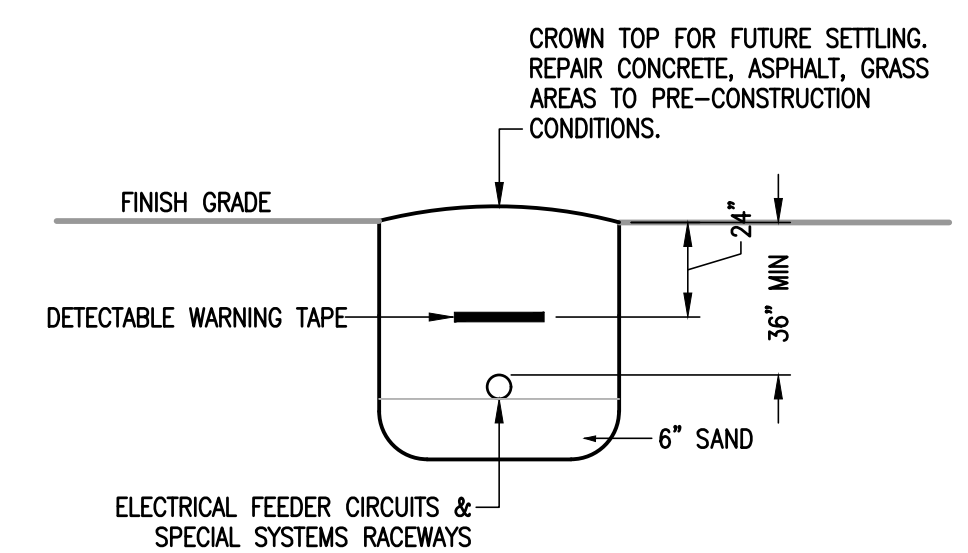
**02 TYPICAL EXISTING SPORTS LIGHTING  
 LIGHT POLE MODIFICATIONS DETAIL (ALTERNATE #2)**  
 SCALE : NOT TO SCALE

**KEYED NOTES:**

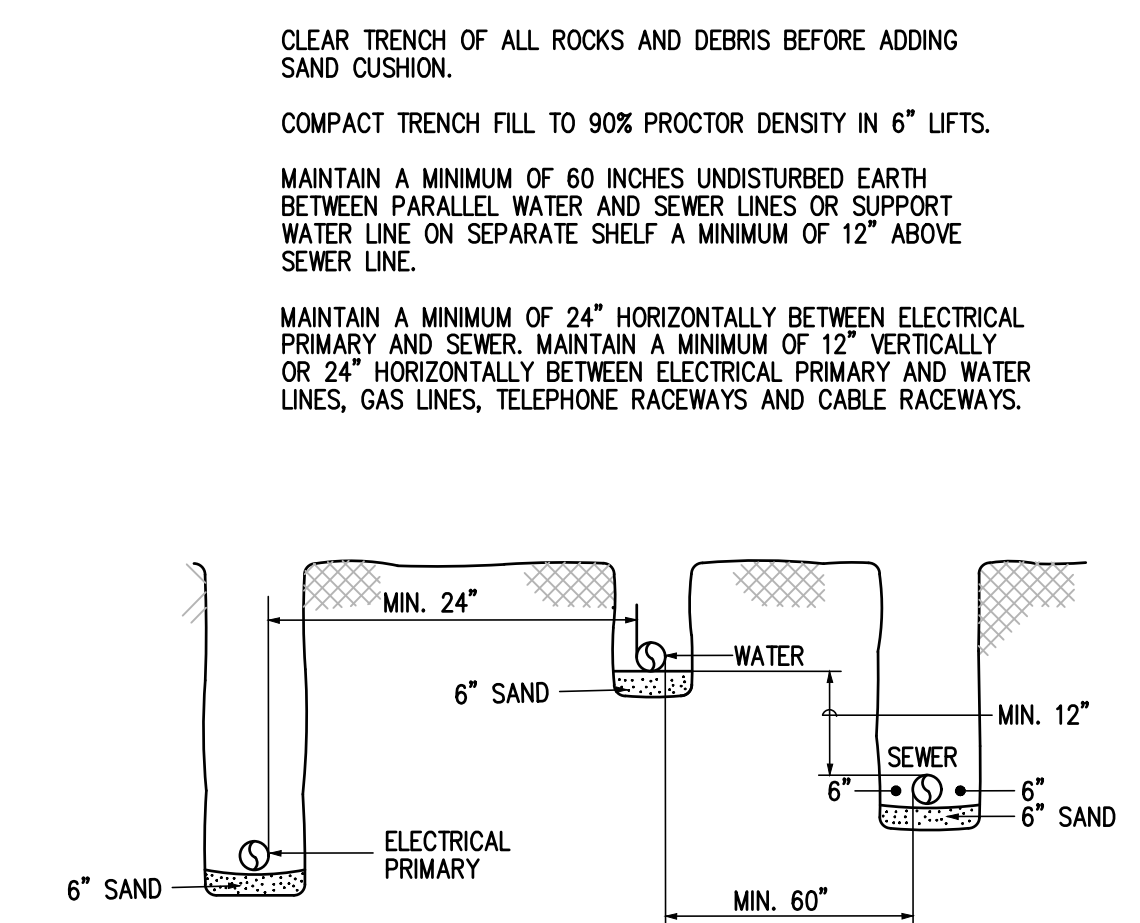
- 1 PROVIDE POLYMER CONCRETE PULL BOX TIER 22 RATED. COMPLYING WITH ANSI/SCTE 77 AND NEC 314.30.
- 2 PROVIDE 8" OF GRAVEL OR CRUSHED ROCK.
- 3 PROVIDE ONE PIECE LOCKING COVER WITH LOGO TIER 22 RATED. INSTALL COVER LEVEL WITH GRADE.



**03 POLYMER CONCRETE  
 PULLBOX DETAIL**  
 SCALE : NONE



**04 BURIAL DETAIL FOR  
 ELECTRICAL RACEWAYS**  
 SCALE : NONE



CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.  
 COMPACT TRENCH FILL TO 90% PROCTOR DENSITY IN 6" LIFTS.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE.

MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIMUM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.

**05 TRENCHING DETAIL**  
 SCALE : NONE



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