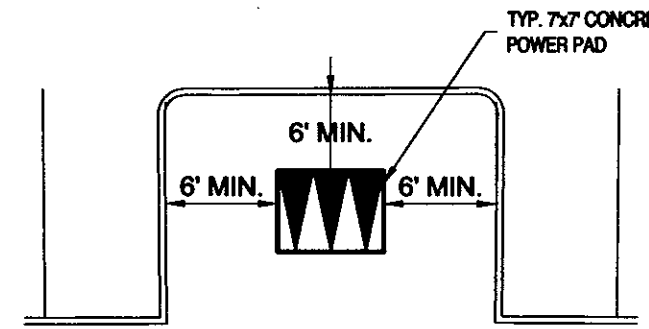


CALL BEFORE YOU DIG!



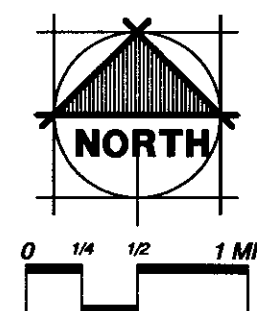
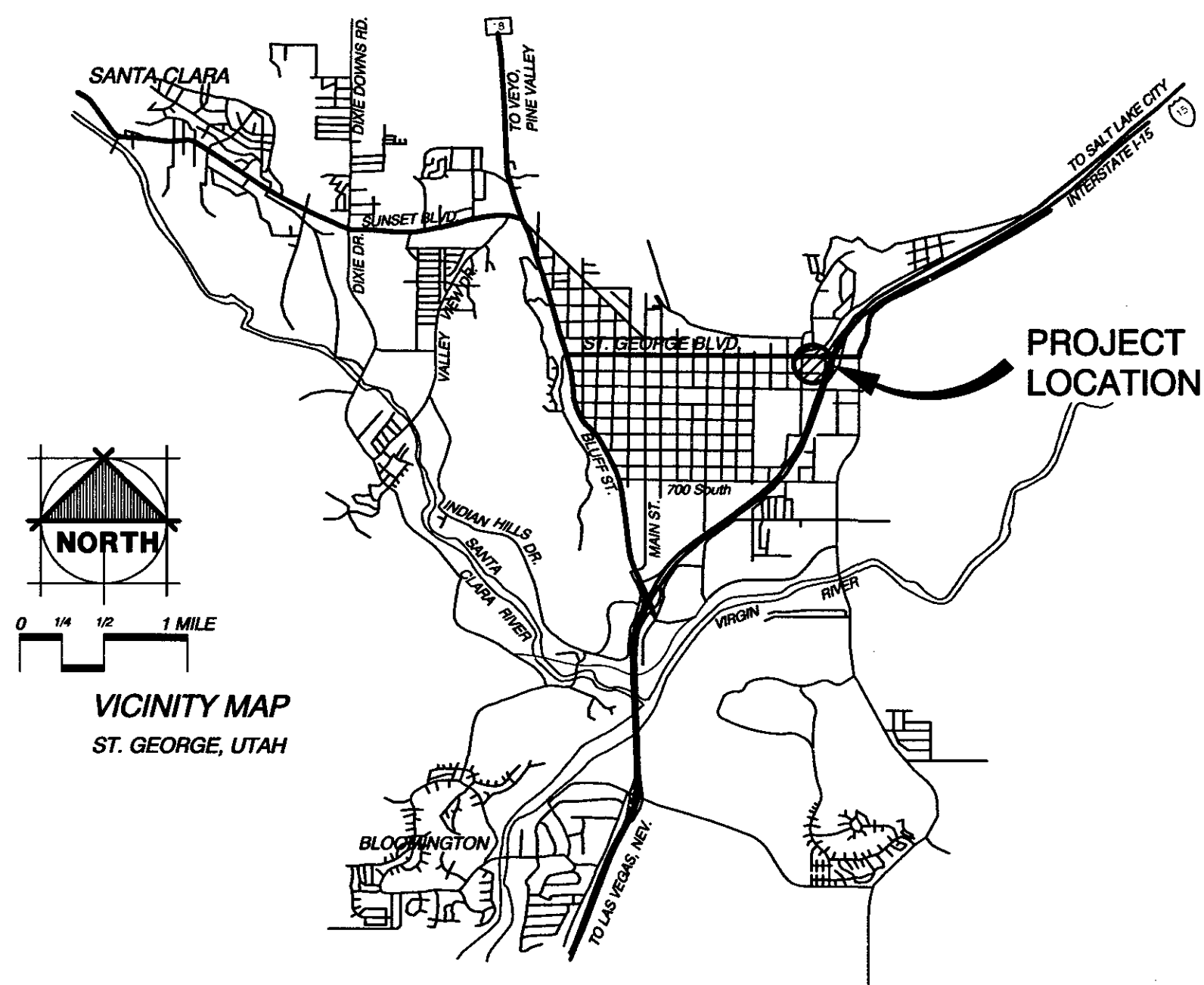
AT LEAST TWO WORKING DAYS BEFORE YOU DIG CALL 811

NOTICE:  
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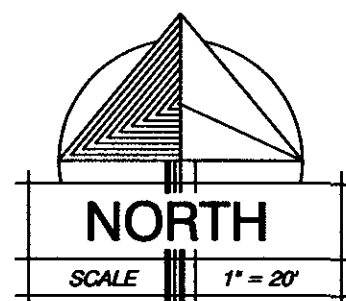


TYP. TRANSFORMER CLEARANCE  
SCALE: NTS

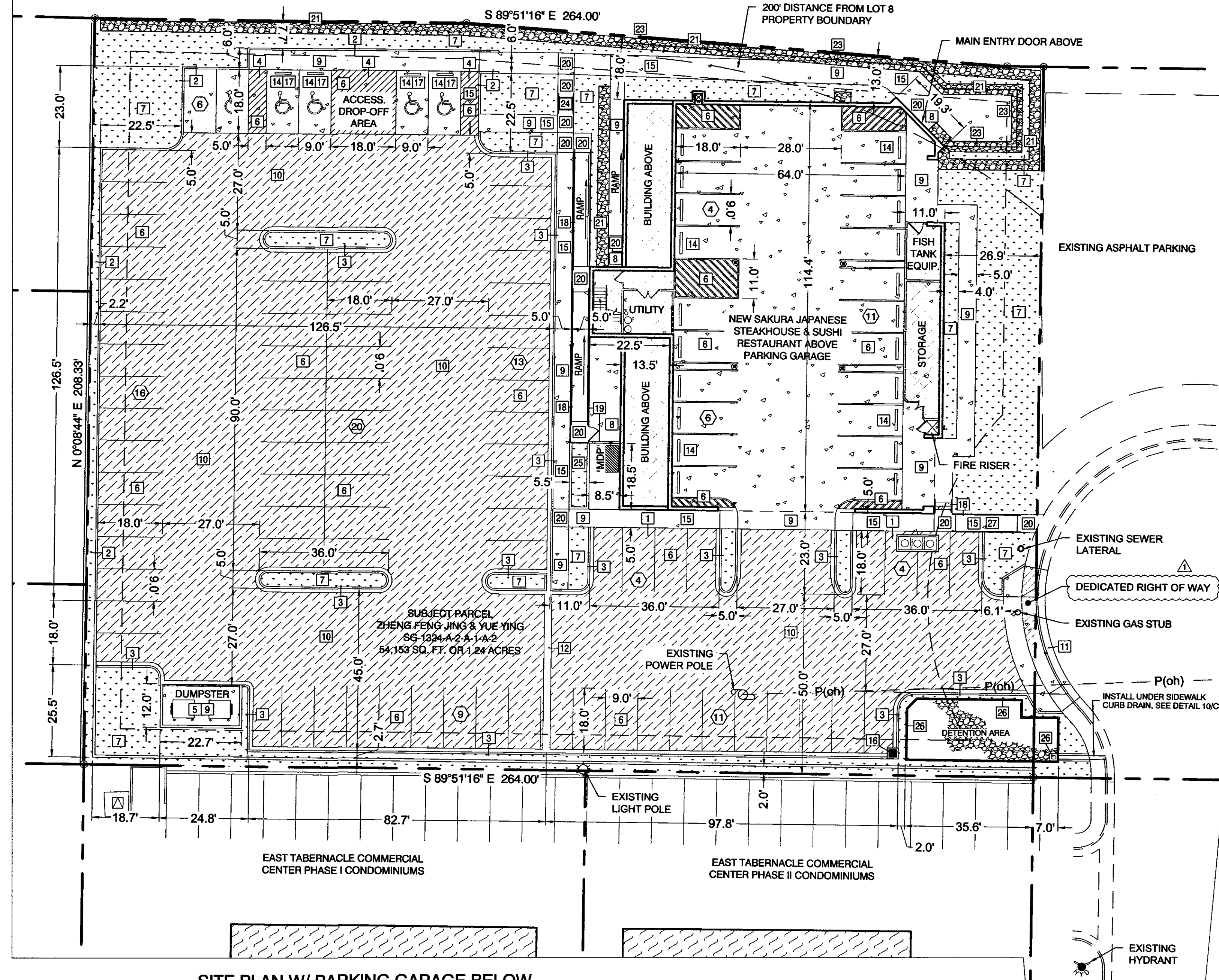
#### VICINITY MAP



VICINITY MAP  
ST. GEORGE, UTAH



UTAH DEPARTMENT OF TRANSPORTATION  
SG-1324-A-2-B-2



SITE PLAN W/ PARKING GARAGE BELOW  
SCALE: 1" = 20'

#### PROJECT INFORMATION

ZONING - COMMERCIAL	
MASTER PLAN - COMMERCIAL	
NEW BUILDING HEIGHT: 40'-0"	
OCCUPANCY TYPE: A-2, S-2 (non-sep., A-2 Occ. to Govern Design)	
BUILDING WILL BE FIT W/AUTOMATIC FIRE SPRINKLER	
BUILDING USE: RESTAURANT	
TOTAL AREA	1.24 ACRES 54,153 sq. ft.
MAIN FLOOR BUILDING AREA (AND PARKING GARAGE)	10,452 SQ. FT. 20% OF SITE
PARKING/IMPERVIOUS AREA	33,393 FT. 62% OF SITE
LANDSCAPE/COMMON AREA	9,494 SQ. FT. 18% OF SITE
PARKING SPACES REQUIRED - 90 1 STALL REQUIRED PER 100 SQFT. OF RESTAURANT SPACE	
PARKING SPACES PROVIDED - 104	

#### SITE PLAN NOTES

- ALL PROPERTY CORNERS SHALL BE STAKED/PINNED.
- THE CONTRACTOR IS REQUIRED TO CALL THE CITY FOR INSPECTION OF ALL IMPROVEMENTS RELATED TO THIS PROJECT.
- THE CONTRACTOR IS REQUIRED TO OBTAIN AN ENCROACHMENT PERMIT FOR ANY WORK DONE IN A PUBLIC RIGHT-OF-WAY.
- ANY NECESSARY MODIFICATIONS TO APPROVED DESIGNS/PLANS SHALL BE APPROVED BY THE DESIGN ENGINEER AND CITY PRIOR TO CONSTRUCTION.
- ALL WORK SHALL BE CONTAINED ON THE SUBJECT SITE ONLY. NO STOCKPILING OR CONSTRUCTION ACTIVITY SHALL OCCUR OFF THE APPROVED LOT/SITE AREA.
- THE CONTRACTOR SHALL PROVIDE A TEMPORARY TRASH ENCLOSURE ON SITE DURING ALL CONSTRUCTION ACTIVITIES TO CONTAIN DEBRIS AND PREVENT AIRBORNE LITTERING OFF SITE.
- A WATER TRUCK SHALL BE USED ON SITE TO WET DOWN ALL EARTHWORK AND CONTROL AIRBORNE PARTICLES/DUST.
- UNLESS SHOWN OTHERWISE ON THESE PLANS, ALL CONSTRUCTION SHALL CONFORM TO THE "INTERNATIONAL BUILDING CODE" AND ALL RELATED LATEST EDITION CODE BOOKS AS ADMINISTERED BY ST. GEORGE CITY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF, AND PROJECTION OF ALL EXISTING UNDERGROUND UTILITIES DURING CONSTRUCTION.
- ALL EXCAVATIONS AND GRADING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ST. GEORGE CITY, SPECIFICALLY APPENDIX 'J' OF THE INTERNATIONAL BUILDING CODE.
- OWNER/CONTRACTOR SHALL INSTALL AN INFORMATIONAL SIGN ON SITE BEFORE THE COMMENCEMENT OF CONSTRUCTION. SIZE OF SIGN, SIZE OF LETTERING, AND PLACEMENT LOCATION SHALL BE APPROVED BY ST. GEORGE CITY PRIOR TO INSTALLATION. SIGN SHALL LIST PROJECT NAME, CONTRACTOR COMPANY NAME, CONTRACTOR PHONE CONTACT INFORMATION AND GRADING PERMIT NUMBER.
- A MANDATORY PRE-CONSTRUCTION MEETING WILL BE REQUIRED ON ALL PROJECTS PRIOR TO ANY GRUBBING, GRADING, OR CONSTRUCTION ACTIVITIES. THE PERMIT HOLDER WILL BE REQUIRED TO NOTIFY ALL DEVELOPMENT SERVICES INSPECTORS.
- ALL OBJECTS SHALL BE KEPT OUT OF THE SIGHT DISTANCE CORRIDORS THAT MAY OBSTRUCT VEHICULAR OPERATORS VIEW.

#### KEYED NOTES:

- THICKENED EDGE SIDEWALK, WIDTH AS NOTED, SEE DETAIL 5/C8.1
- CONCRETE 'A' CURB, SEE SITE DETAIL 6/C8.1
- 24" CONCRETE 'L' CURB, SEE SITE DETAIL 7/C8.1
- ACCESSIBLE AREA TO BE FLUSH W/ CONCRETE
- DUMPSTER PAD & ENCLOSURE, SEE 10/C8.1
- PARKING AREA PAINT MARKINGS AS SHOWN
- LANDSCAPE AREA
- EXTERIOR LEVEL LANDING DETAIL 4/C8.1
- 4" CONC. SURFACE OVER 4" COMPACTED TYPE II ROAD BASE, DIMENSIONS AS SHOWN
- NORMAL TRAFFIC ASPHALT PAVING OVER TYPE II ROADBASE HATCHED PER GEOTECHNICAL REPORT \*SEE LEGEND THIS SHEET
- EXISTING CONCRETE SIDEWALK AND 'L' CURB TO BE REPLACED WITH DRIVEWAY APPROACH SEE DETAIL 4/C8.3
- 24" CONCRETE WATERWAY, SEE SITE DETAIL 8/C8.1
- TRANSITION FROM FLUSH SURFACE TO TURN DOWN SIDEWALK, OR CURB
- INSTALL VEHICLE WHEEL STOP @ FLUSH PARKING
- ACCESSIBLE ROUTE, 5% MAX. RUNNING SLOPE & 2% MAX. CROSS SLOPE, SEE GRADING PLAN
- STORM DRAIN CATCH BASINS SEE DETAIL 5/C8.2
- INSTALL ACCESSIBLE PARKING SIGN @ EACH ACCESSIBLE SPACE, SEE DETAIL 1/C8.1
- GUARD/HAND RAIL, SEE DETAIL 3/C8.2
- PRIVACY FENCING PER ARCHITECTURAL PLANS
- CONCRETE LANDING 2% MAX SLOPE IN ANY DIRECTION
- 36" WIDE GABION BASKET SYSTEM
- DETENTION BASIN GUARD RAIL DETAIL, SEE DETAIL 7/C8.2
- GUARD RAIL (NO HAND RAIL)
- CONCRETE STAIRS, SEE DETAIL 1/C8.2
- RAISED CONCRETE PLANTER, BOARD FORM FINISH ON CONCRETE TO MATCH BUILDING
- CATCH BASIN/CURB OUTLET, SEE DETAIL 6/C8.2
- ACCESSIBLE RAMP PER SEE SITE DETAIL 3/C8.2

#### LEGEND:

- NEW BUILDING
- NEW 2.5" ASPHALT PAVING OVER 6" TYPE II RB PER GEOTECHNICAL REPORT FOR LIGHT TRAFFIC
- NEW CONCRETE ON GRADE
- LANDSCAPE AREA
- PARKING SPACES

#### CIVIL DRAWING INDEX:

- |      |                                |
|------|--------------------------------|
| C2.1 | SITE PLAN & CIVIL COVER SHEET  |
| C2.2 | SITE UTILITY PLAN              |
| C2.3 | SITE GRADING PLAN              |
| C2.4 | GABION RETAINING WALL PLAN     |
| C2.5 | LANDSCAPE & IRRIGATION PLAN    |
| C2.6 | LANDSCAPE & IRRIGATION DETAILS |
| C3.1 | SWPP PLAN                      |
| C3.2 | SWPP DETAILS                   |
| C4.1 | PHOTOMETRIC PLANS              |
| C8.1 | SITE DETAILS                   |
| C8.2 | SITE DETAILS                   |
| C8.3 | SITE DETAILS                   |

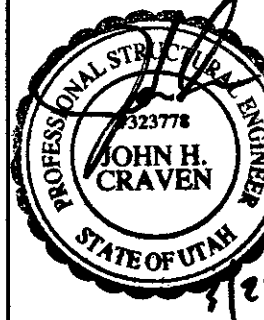
8/30/2018  
DATE:

JOB NUMBER:

1" = 20'  
SCALE:

R.N.  
DRAWN:

J.H.C.  
CHECKED:



DESIGN  
ASSOCIATES INC.  
ARCHITECTURE &  
CONSULTING ENGINEERS

73 EAST 100 SOUTH  
P.O. BOX 2775  
ST. GEORGE, UTAH 84770  
(435) 628-2377 (435) 673-3580 fax  
www.mrwdesign.com

**SITE PLAN W/ PARKING GARAGE BELOW**  
NEW JAPANESE STEAKHOUSE & SUSHI  
NEAR 1100 EAST & ST. GEORGE BOULEVARD  
ST. GEORGE, UTAH 84770

C2.1  
OF SHEETS



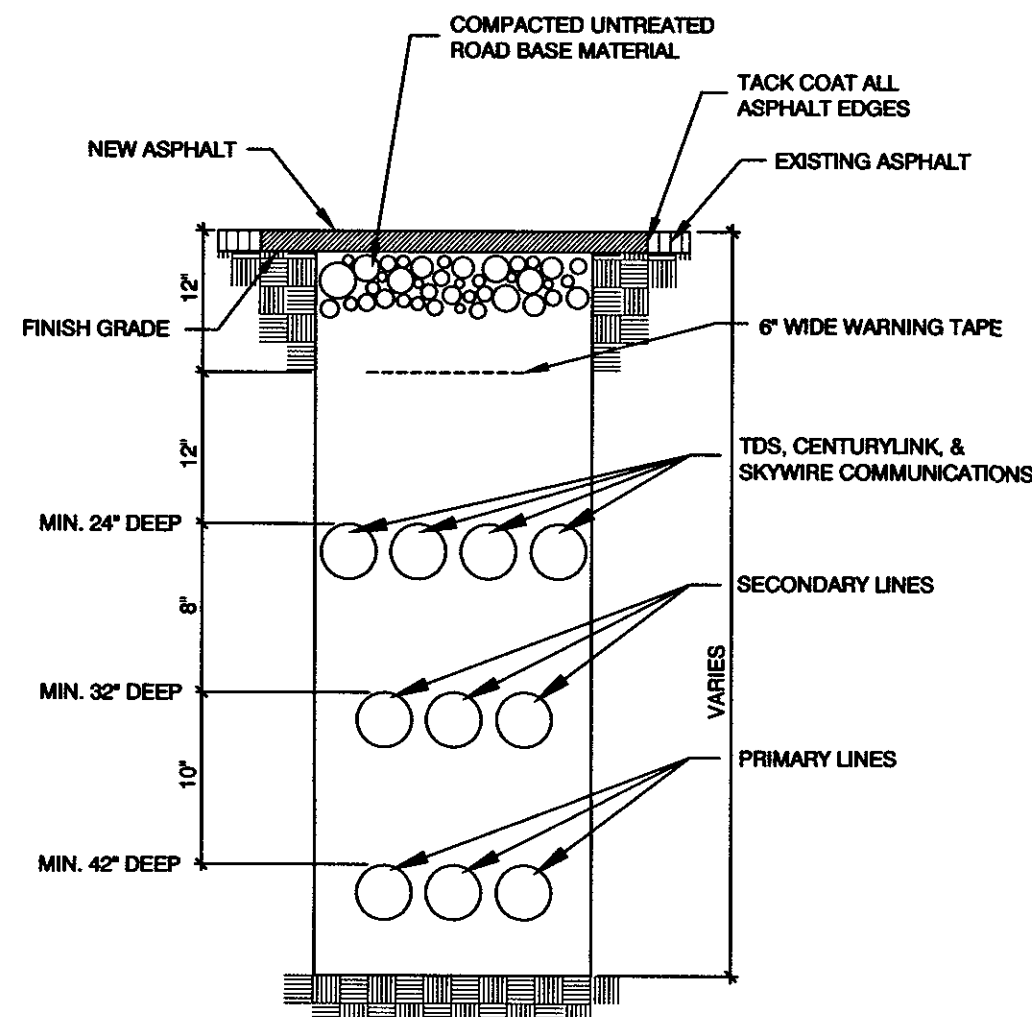
CALL BEFORE YOU DIG!



AT LEAST TWO WORKING DAYS BEFORE YOU DIG CALL 811

NOTICE!

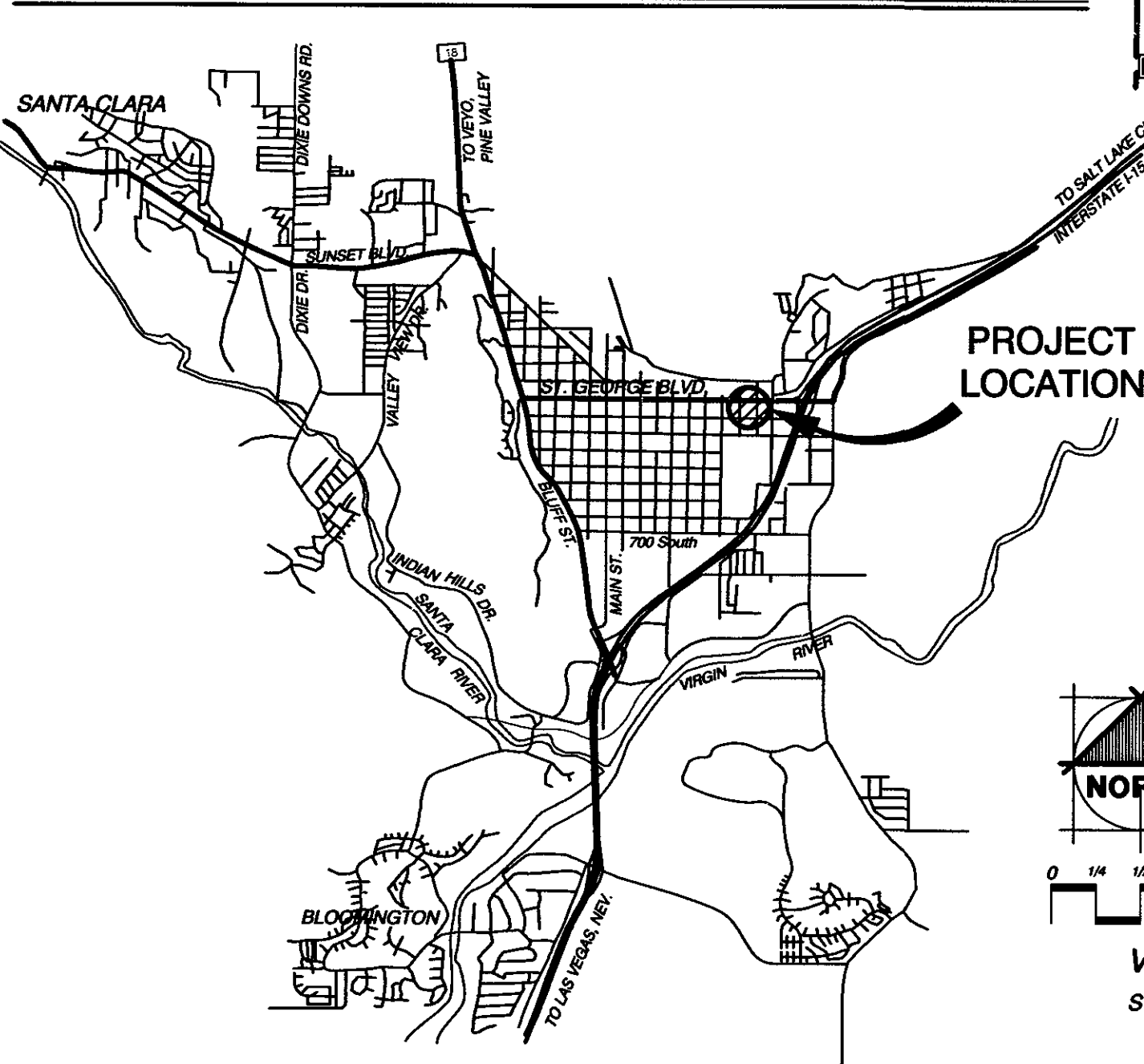
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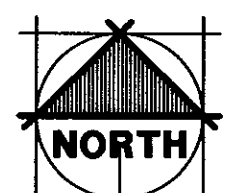
TYPICAL J.U.C. TRENCH DETAIL  
SCALE: N.T.S.

DEVELOPER/OWNER  
FENG JING ZHENG &  
YUE YING ZHENG  
ATTN: FENG ZHENG  
(718) 552-7788  
939 E. ST. GEORGE BLVD.  
ST. GEORGE, UTAH 84770

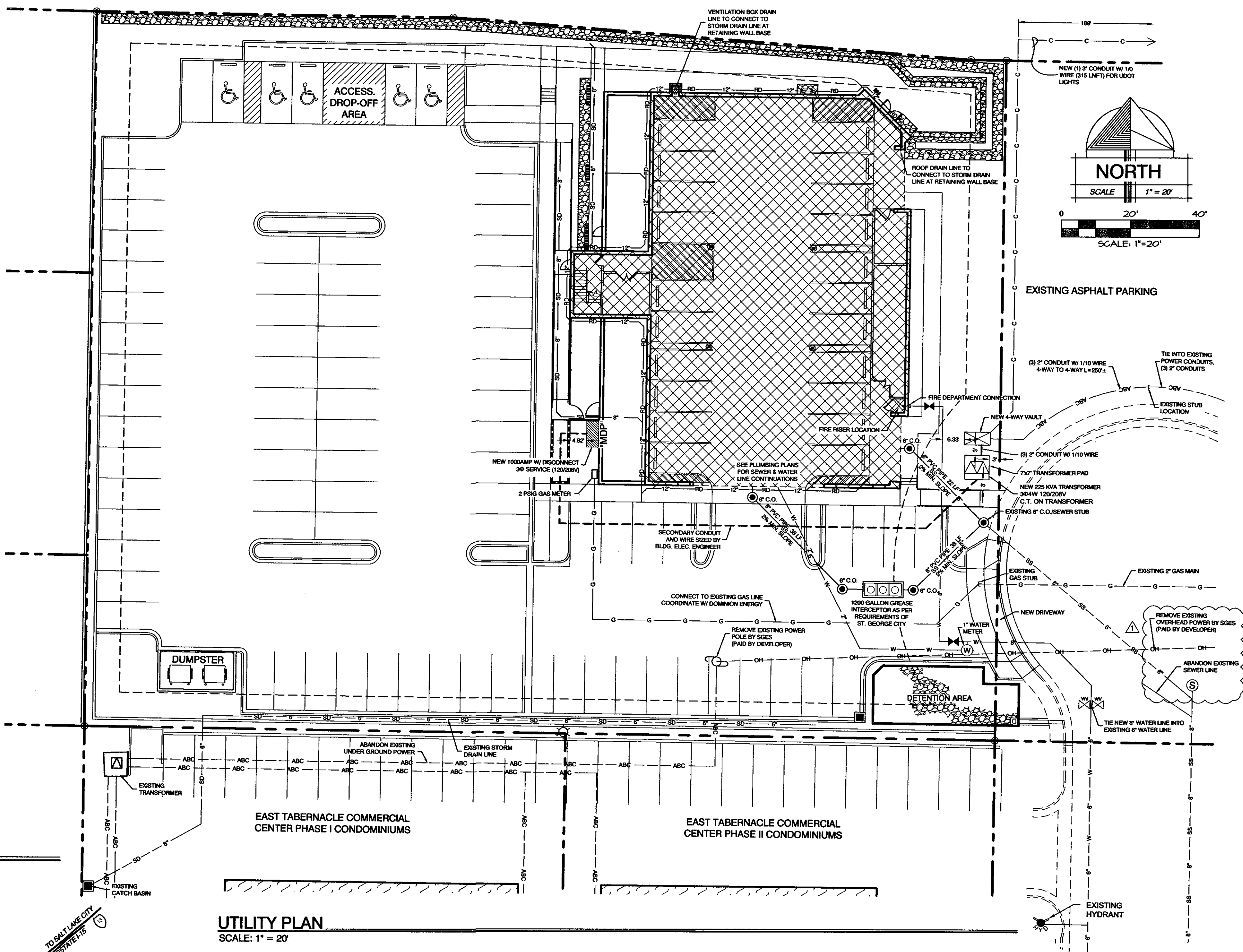
VICINITY MAP



PROJECT LOCATION



VICINITY MAP  
ST. GEORGE, UTAH



UTILITY PLAN  
SCALE: 1" = 20'

LEGEND

---	WTR	EXISTING WATERLINE (SIZE UNKNOWN)
---	W	PROPOSED C-900 PVC WATERLINE (SIZE SHOWN)
---	W	PROPOSED WATER VALVE
---	W	EXISTING FIRE HYDRANT
---	SWR	EXISTING SANITARY SEWER (SIZE SHOWN)
---	SS	PROPOSED PVC SANITARY SEWER (SIZE SHOWN)
---	SS	PROPOSED SEWER CLEANOUT
---	---	PROPERTY LINE
---	ABC	PROPOSED PRIMARY POWER (SIZE NOTED)
---	ABC	PROPOSED SECONDARY POWER
---	ABC	PROPOSED TRANSFORMER
---	G	EXISTING QUESTAR GAS LINE
---	T	EXISTING TELEPHONE/COMMUNICATION LINES
---	---	EXISTING CABLE LINES
---	---	RETAINING WALL & ROOF DRAIN LINES
---	---	STORM DRAIN LINES

J.U.C. CONTACT LIST

CABLE TV - TDS - DAVID - 435.703.8832  
FIRE DEPARTMENT - KEVIN TAYLOR - 435.827.4150  
NATURAL GAS - QUESTAR - CRAIG HANSEN - 435.889.2340  
INTERNET/FIBER - GoFiber - LYNN BEECHER - 801.318.0869  
POWER (NORTH OF VIRGIN RIVER) - CITY OF ST. GEORGE - RICK MADSEN - 435.703.1511  
POWER (SOUTH OF VIRGIN RIVER) - DIXIE POWER - CHAD REYNOLDS - 435.673.3287  
PHONE - CENTURY LINK - ZACH MATHEWS - 435.673.9839  
WASTEWATER DEPARTMENT - CITY OF ST. GEORGE - TRAVIS SHELLEY - 435.705.0135  
WATER DEPARTMENT - CITY OF ST. GEORGE - JOHN CAJER - 435.827.4853

WASTE WATER NOTES:  
STANDARDS & SPECIFICATIONS:  
ALL NEW SANITARY SEWER CONSTRUCTION TO BE DONE IN ACCORDANCE WITH LOCAL GOVERNING MUNICIPALITY NO SEWERS UNDER 9\"/>

DOMINION ENERGY GAS NOTES:  
1. DEVELOPER NEEDS TO CONTACT DOMINION GAS MARKETING DEPARTMENT PRIOR TO BREAKING GROUND FOR GAS SIGN UP.  
2. DALLIN CLARK @ 435-674-6116  
3. COORDINATE GAS WORK WITH DALLIN CLARK @ 435-674-6116  
4. DEVELOPER WILL BE RESPONSIBLE TO GET ALL COMPROBATION TESTS DONE AT THE DEVELOPER'S EXPENSE  
5. IF CASINGS/CONDUITS ARE NEEDED, THEY ARE TO BE INSTALLED BY DEVELOPER AT THEIR COST. A MAP WILL BE AVAILABLE AT DOMINION GAS FOR CASINGS LOCATIONS (1155 E. 350 N. ST. GEORGE).  
6. ALL OF THE 10' UTILITY EASEMENTS BACK OF SIDEWALK WILL BE GRADED TO WITHIN 6 INCHES OF TOP BACK OF CURB BEFORE GAS LINES WILL BE INSTALLED. \*\*\*DEVELOPER WILL BE RESPONSIBLE FOR THE COSTS OF ANY GAS LINES TO BE LOWERED AND/OR RELOCATED AFTER INSTALLATION.  
7. ALL TRENCHES SHALL BE BACKFILLED AND ALL DEBRIS, CONSTRUCTION MATERIALS AND EXCESS DIRT PILES SHALL BE CLEARED AWAY.  
8. PROPERTY LOT LINES, BACK OF CURB AND GRADE MUST BE STAKED BY DEVELOPER BEFORE GAS WILL BE INSTALLED.  
9. WATER AND SEWER LINES, CULVERTS OR OTHER HAZARDS NOT CLEARLY NOTICEABLE SHALL BE STAKED BY DEVELOPER.  
10. FAILURE TO COMPLY WITH THE ABOVE NOTES WILL RESULT IN DELAY OF GAS SERVICE TO THIS PROJECT.  
11. \*\*\*IMPORTANT NOTICE\*\*\*  
GAS WILL BE PUT ON THE SCHEDULE FOR INSTALLATION WHEN POWER TRENCH IS BURIED.  
STREETS ARE TO BE GRADED TO THE 10' UTILITY EASEMENT IS GRADED TO TOP BACK OF CURB.  
IF HIGH PRESSURE GAS LINES ARE LOCATED IN OR NEAR YOUR DIGGING AREA:  
BEFORE DIGGING PLEASE CALL:  
JERRY JONES @ 435-880-8889 OR  
CORDELL NAYLOR @ 435-668-2337.

CENTURYLINK NOTES:  
1. DEVELOPER TO PROVIDE ALL TRENCH AND 4\"/>

ST. GEORGE ENERGY SERVICES NOTES:  
1. PRIMARY POWER FROM SWITCH TO SWITCH SHALL BE 750 WIRE IN 3\"/>

POWER PROJECT NOTES (COMMERCIAL):  
A. CONTRACTOR SHALL HAVE ADJACENT TBC LOCATION AND ELEVATION AND OTHER APPLICABLE IMPROVEMENTS, STAKED PRIOR TO PLACEMENT OF ELECTRICAL EQUIPMENT.  
B. INSTALL NEW ELECTRICAL EQUIPMENT 6\"/>

ST. GEORGE WATER SERVICES NOTES:  
1. ALL WATERLINE WORKS MUST BE INSTALLED BY A CONTRACTOR THAT HAS BEEN PRE-QUALIFIED BY THE CITY OF ST. GEORGE WATER DEPARTMENT.  
2. ALL CONSTRUCTION SHALL CONFORM TO THE CITY OF ST. GEORGE STANDARD SPECIFICATIONS FOR DESIGN AND CONSTRUCTION, THE UNIFORM PLUMBING CODE, AND THE UNIFORM BUILDING CODE LATEST EDITION AS ADMINISTERED BY THE CITY OF ST. GEORGE.  
3. CONTRACTOR SHALL POT-HOLE ALL PIPELINES AND VERIFY LOCATION AND DEPTH PRIOR TO PROCEEDING WITH ANY BUILDING OR PIPELINE CONSTRUCTION.  
4. THE POTABLE WATER SUPPLY TO LAWN IRRIGATION SYSTEMS SHALL BE PROTECTED AGAINST BACKFLOW PER THE INTERNATIONAL PLUMBING CODE (IPC) SECTION 608.16.5 AND FOR FIRE SPRINKLER SYSTEMS PER (IPC) 606.16.4  
5. ALL BACKFLOW ASSEMBLY INSTALLATION AND TEST REQUIREMENTS SHALL BEGIN ACCORDANCE WITH THE CITY OF ST. GEORGE BACKFLOW ORDINANCE 9-1-1987-5-6-5  
6. 14 GAUGE WIRE SHALL BE TAPED TO ALL WATER LINES FOR LOCATING PURPOSES. THE WIRE SHALL ALSO BE BROUGHT UP AT EACH VALVE BOX AND HYDRANT.  
7. THRUST RESTRAINT ON THE NEW PIPELINE WILL BE SHOWN ON THE DETAILS. USE MEGA-LUG ON THE FITTINGS AND FIELD LOCK GASKETS ON THE REQUIRED LENGTH OF RESTRAINED PIPE.  
8. ASPHALT REPLACED OVER THE PIPE TRENCHING IS TO MATCH EXISTING PAVEMENT DEPTHS WITH A 6\"/>

GOBER NOTES:  
1. DEVELOPER TO PROVIDE ALL REQUIRED TRENCHING WITHIN THE PROJECT. ANY MODIFICATIONS ALONG THE PERIPHERY TO FEED THIS PROJECT WILL BE BILLED TO THE DEVELOPER.  
2. GOBER WILL PROVIDE ALL CONDUITS. CALL 435-767-9053 OR EMAIL JUC@gober.tech FOR CONDUIT DELIVERY AT LEAST ONE WEEK PRIOR TO OPENING TRENCH.  
3. FOR COMMERCIAL PROJECTS WITH AN MDF/COMM ROOM, DEVELOPER WILL INSTALL A 2\"/>

8/30/2018  
DATE:  
JOB NUMBER:  
1" = 20'  
SCALE:  
D.R.W.  
DRAWN:  
J.H.C.  
CHECKED:  
PROFESSIONAL SEAL  
#333778  
JOHN H. CRAVEN  
STATE OF UTAH  
9/25/19

M  
RW  
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ASSOCIATES INC.  
ARCHITECTURE &  
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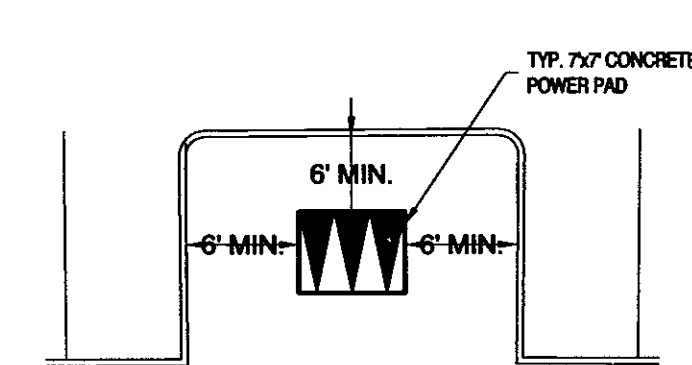
UTILITY PLAN  
NEW JAPANESE STEAKHOUSE & SUSHI  
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ST. GEORGE, UTAH 84770



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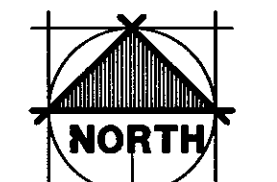
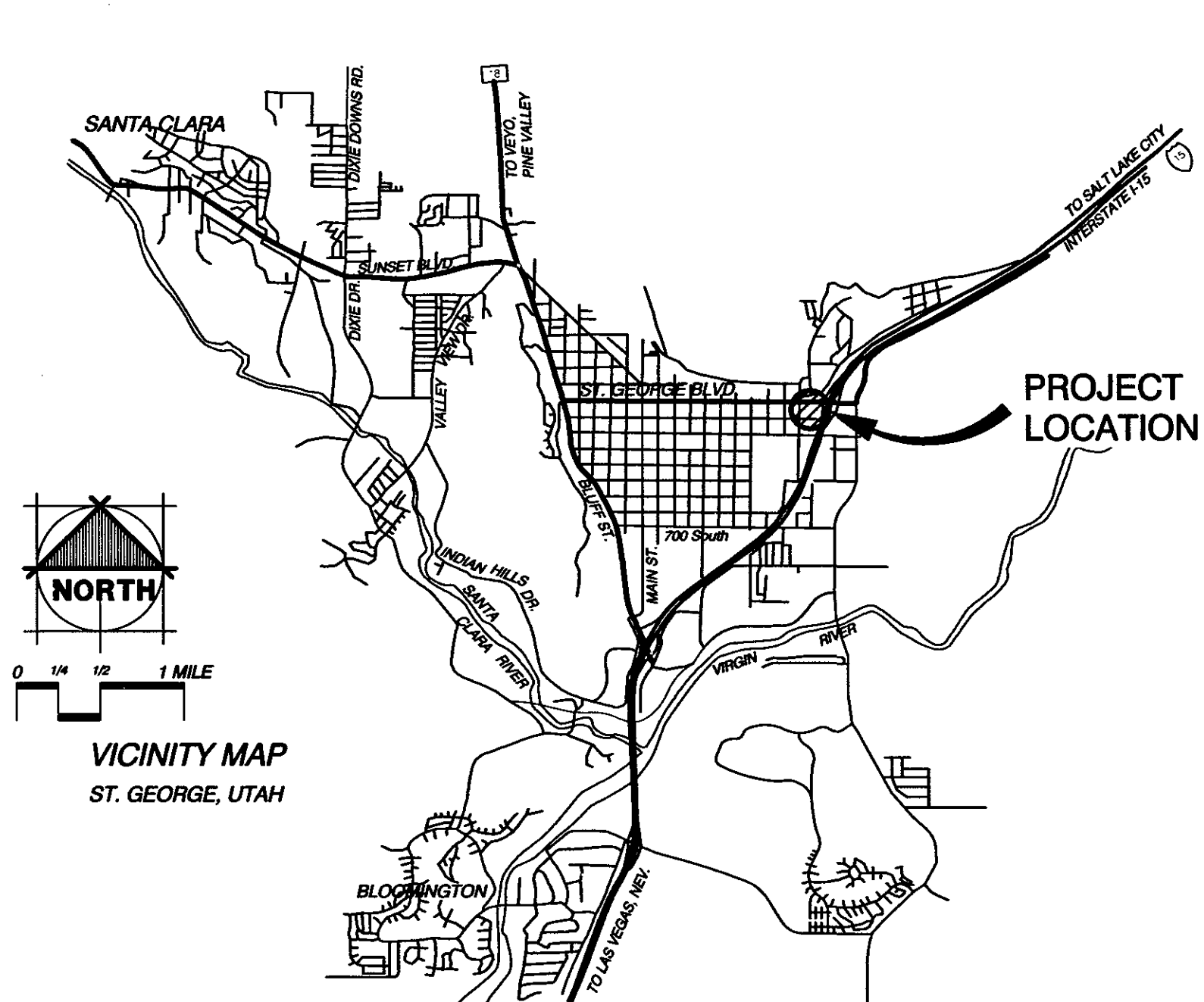


AT LEAST TWO WORKING  
DAYS BEFORE YOU DIG CALL:  
811  
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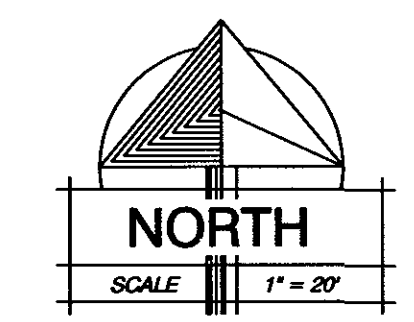
TYP. TRANSFORMER CLEARANCE  
SCALE: NTS

VICINITY MAP

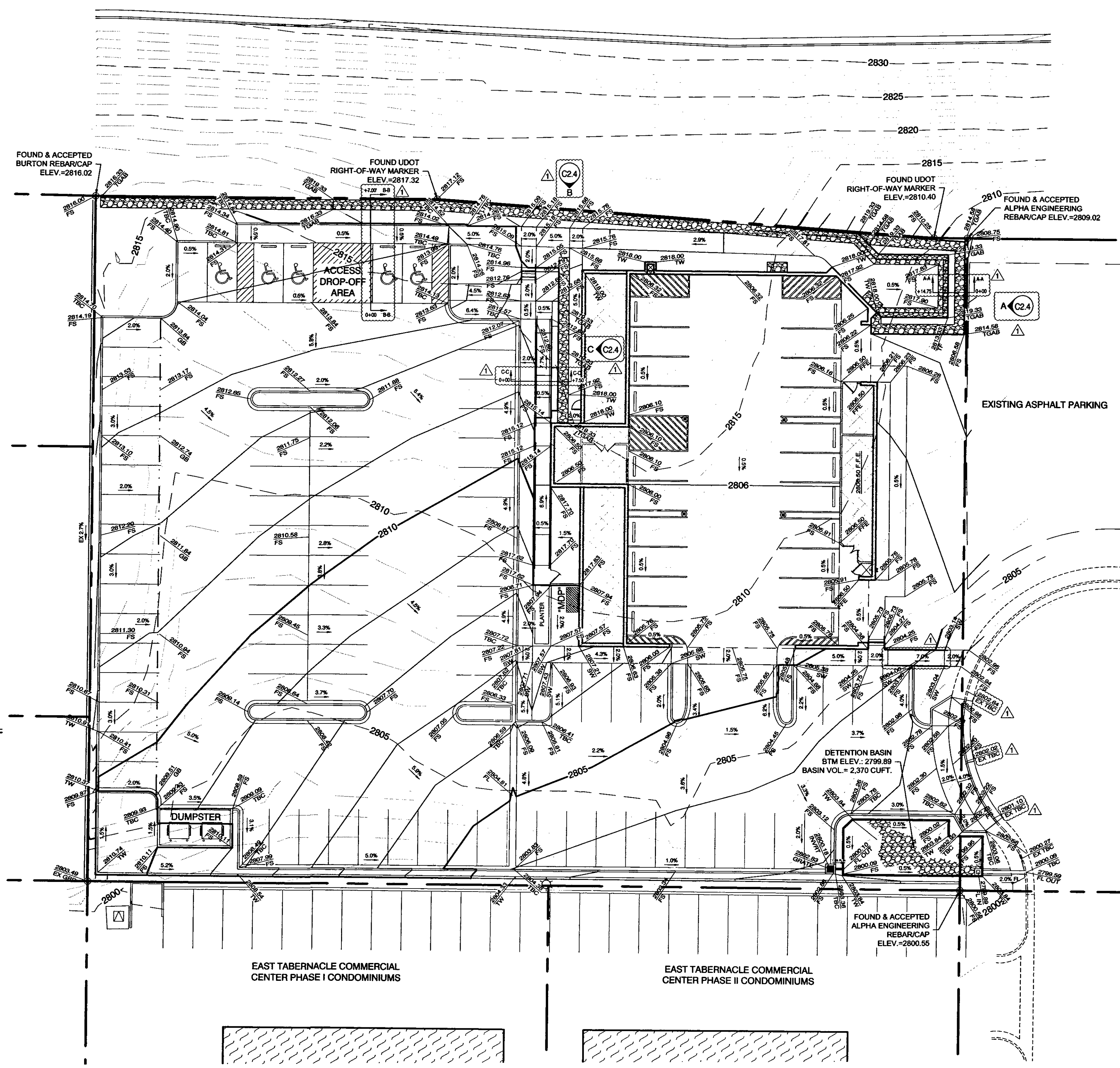


0 1/4 1/2 1 MILE

VICINITY MAP  
ST. GEORGE, UTAH



NORTH  
SCALE: 1" = 20'



GRADING PLAN  
SCALE: 1" = 20'

DEVELOPER/OWNER  
FENG JING ZHENG &  
YUE YING ZHENG  
ATTN: FENG ZHENG  
(718) 552-7788  
939 E. ST. GEORGE BLVD.  
ST. GEORGE, UTAH 84770

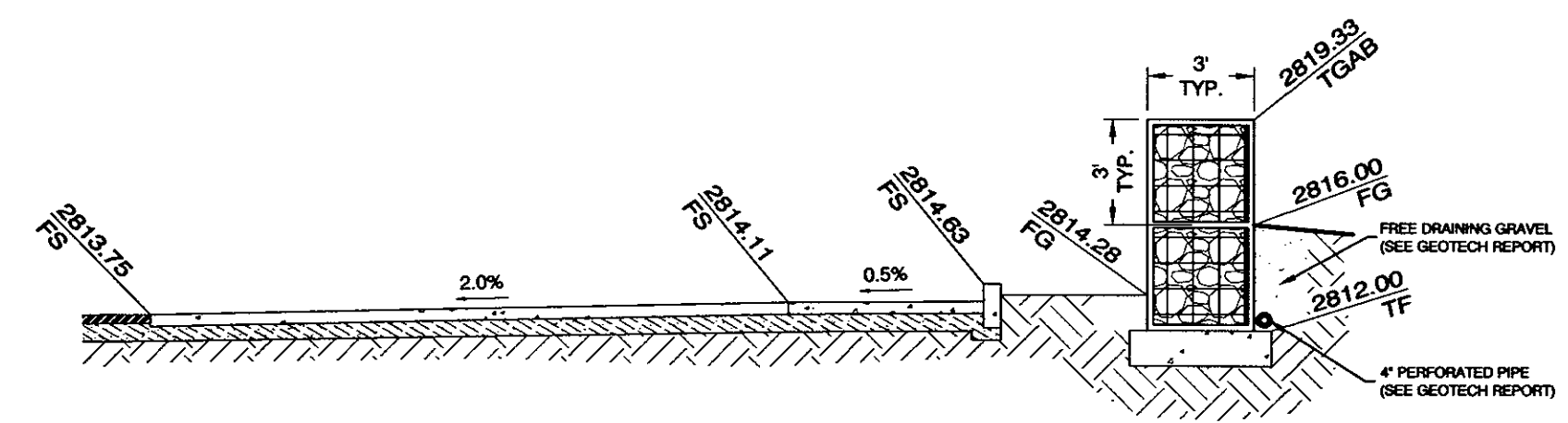
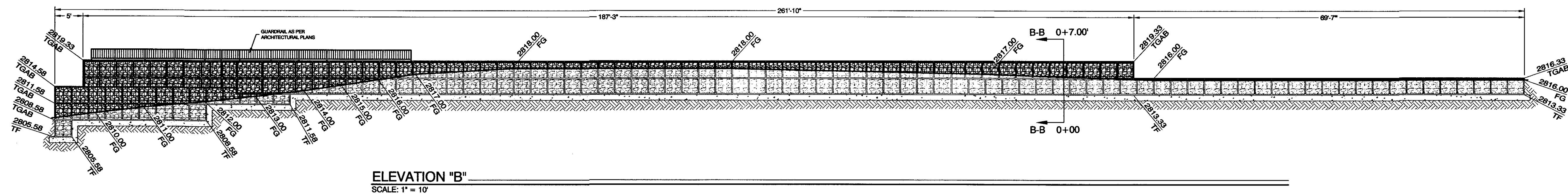
EARTHWORK CALCULATIONS:  
CUT = 1,364 YARDS FILL = 1,734 YARDS  
NET = 70 YARDS CUT  
NOTE: CUT AND FILL QUANTITIES ARE CALCULATED FOR  
THE CONVENIENCE OF THE ENGINEER AND FOR THE CITY OF  
ST. GEORGE FOR CALCULATING PERMIT FEES. THE  
CONTRACTOR IS NOT TO RELY ON THE QUANTITIES SHOWN ON  
THIS PLAN AND IS RESPONSIBLE FOR VERIFYING QUANTITIES  
FOR BIDDING. CALCULATIONS ARE TO THE TOP OF FINISHED  
SURFACES.

GRADING PLAN NOTES:

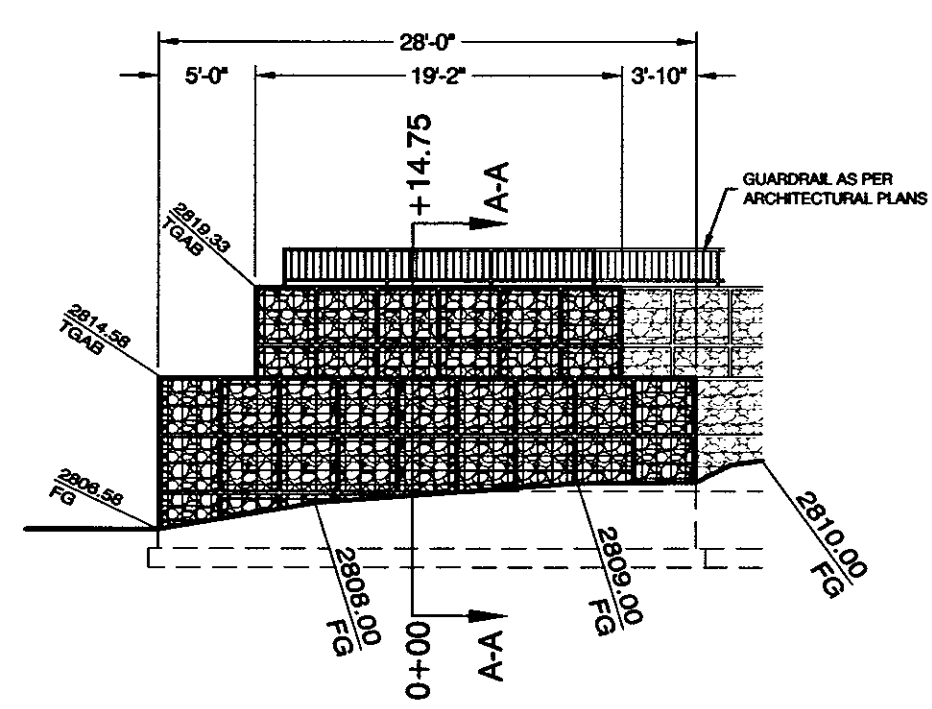
- ALL EXCAVATIONS AND GRADING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ST. GEORGE CITY, SPECIFICALLY CHAPTER 18 AND APPENDIX J OF THE 2015 INTERNATIONAL BUILDING CODE, AND THE SPECIFICATIONS AND REQUIREMENTS INCLUDED IN THE GEOTECHNICAL STUDY NO. 2180293 PREPARED BY AGE, DATED JUNE 6, 2018.
- THE CONTRACTOR SHALL PROVIDE SUITABLE MUD AND DIRT CONTAINMENT TO MAINTAIN THE WORK SITE, ACCESS ROADWAYS, AND ADJACENT PROPERTIES IN A CLEAN CONDITION. A WATER TRUCK SHALL BE MAINTAINED ON SITE.
- ALL IMPORTED STRUCTURAL FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO DELIVERY TO THE SITE. ALL IMPORTED STRUCTURAL FILL SHALL BE PLACED IN 8-INCH LOOSE LIFTS AND COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM LABORATORY DENSITY (ASTM D1557).
- ALL EXCAVATED OR FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DENSITY PER ASTM TEST D-1557 EXCEPT UNDER BUILDING FOUNDATION WHERE IT SHALL BE 98% MIN. OF MAXIMUM DENSITY. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 3% BELOW OPTIMUM. CONTRACTOR SHALL SUBMIT A COMPACTION REPORT PREPARED BY A QUALIFIED REGISTERED SOILS ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED, HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS & SPECS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT.
- ALL EXCAVATIONS, GRADING AND FILL OPERATIONS WITHIN THE BUILDING AREA SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER TO VERIFY SUBSOIL CONDITIONS AND DETERMINE ADEQUACY OF SITE PREPARATION, SUITABILITY OF FILL MATERIALS AND COMPLIANCE WITH COMPACTION REQUIREMENTS.
- FLOWABLE FILL SPECIFICATIONS: PORTLAND CEMENT - TYPE V, FLY ASH ASTM C-618 CLASS F, COARSE AND FINE AGGREGATE REQUIREMENTS - SIEVE SIZE PERCENT PASSING: #4 / 100 - 200 / 60 - 10 MIN. COMPRESSIVE STRENGTH (28 DAYS) - 50 PSI, MAX. COMPRESSIVE STRENGTH (28 DAYS) - 150 PSI, MIN. FLY ASH PER CUBIC YARD - 300 LBS., MIN. CEMENT PER CUBIC YARD - 50 LBS., MAX. SLUMP 10 IN.
- ALL PROPERTY CORNERS SHALL BE STAKED.
- OWNER SHALL BE RESPONSIBLE FOR ALL ON-SITE DRAINAGE AND DETENTION.
- THE CONTRACTOR IS TO USE BEST MANAGEMENT PRACTICES FOR PROVIDING EROSION CONTROL FOR CONSTRUCTION OF THIS PROJECT. SPECIFIC DETAILS SHOWN ON SHEET C3.2 SHALL BE USED IN COMBINATION WITH OTHER ACCEPTED LOCAL PRACTICES.
- EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN.
- IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTENCE AND LOCATION OF THOSE UTILITIES SHOWN ON THESE PLANS OR INDICATED IN THE FIELD BY LOCATING SERVICES.
- ANY ADDITIONAL COSTS INCURRED AS A RESULT OF CONTRACTORS FAILURE TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION IN THEIR VICINITY SHALL BE BORNE BY THE CONTRACTOR AND ASSUMED INCLUDED IN THE CONTRACT.
- ALL AREAS OUTSIDE THE GRADING LIMITS WILL BE FENCED OR TAPPED OFF DURING CONSTRUCTION TO PREVENT ACCIDENTAL DISTURBANCE OF THESE AREAS.
- ACCESSIBLE DROP-OFF AREA PROVIDE IN LIEU OF ACCESSIBLE ROUTE TO THE PUBLIC RIGHT OF WAY DUE TO SITE RESTRICTIONS.

LEGEND:

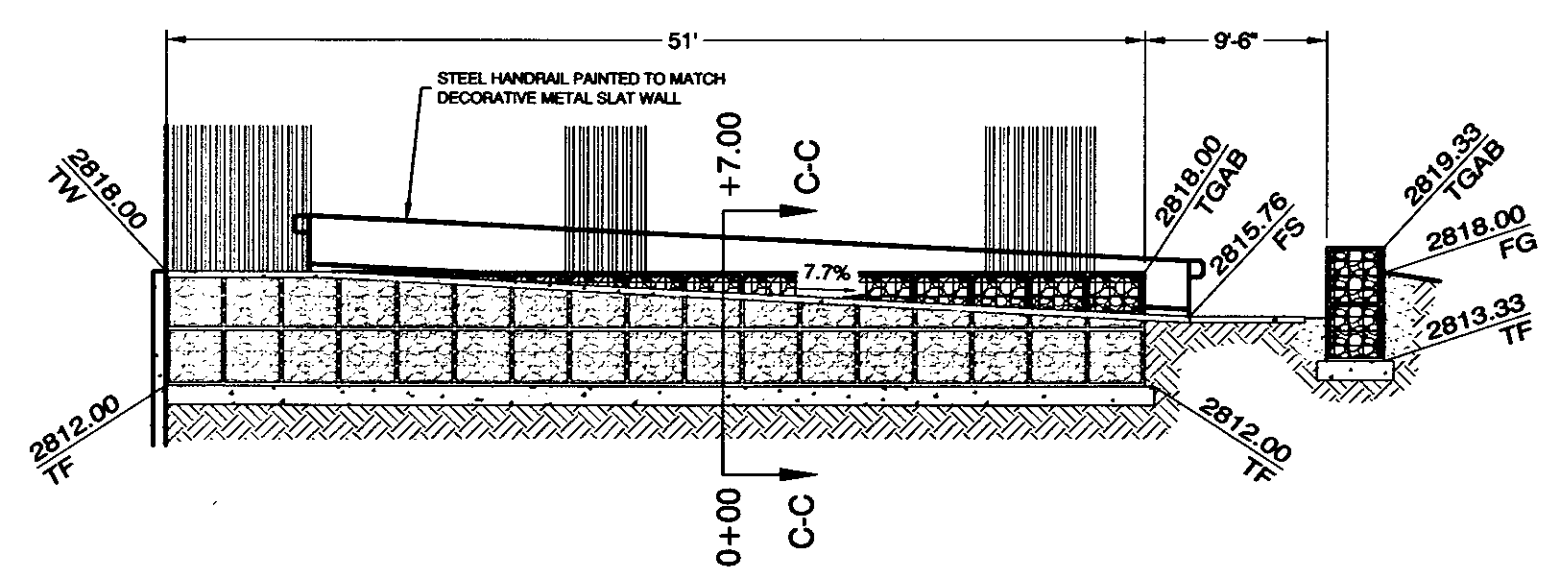
- FINISHED GROUND 1' INTERVAL
- FINISHED GROUND 5' INTERVAL
- EXISTING GROUND 1' INTERVAL
- EXISTING GROUND 5' INTERVAL
- GRADE BREAK, RIDGE, OR FLOW LINE
- GRADE ELEVATION, TO FINISHED SURFACE
- \*FIELD VERIFY AND TIE INTO EXISTING
- ACCESSIBLE ROUTE 5% MAX RUN SLOPE AND 2% MAX CROSS SLOPE



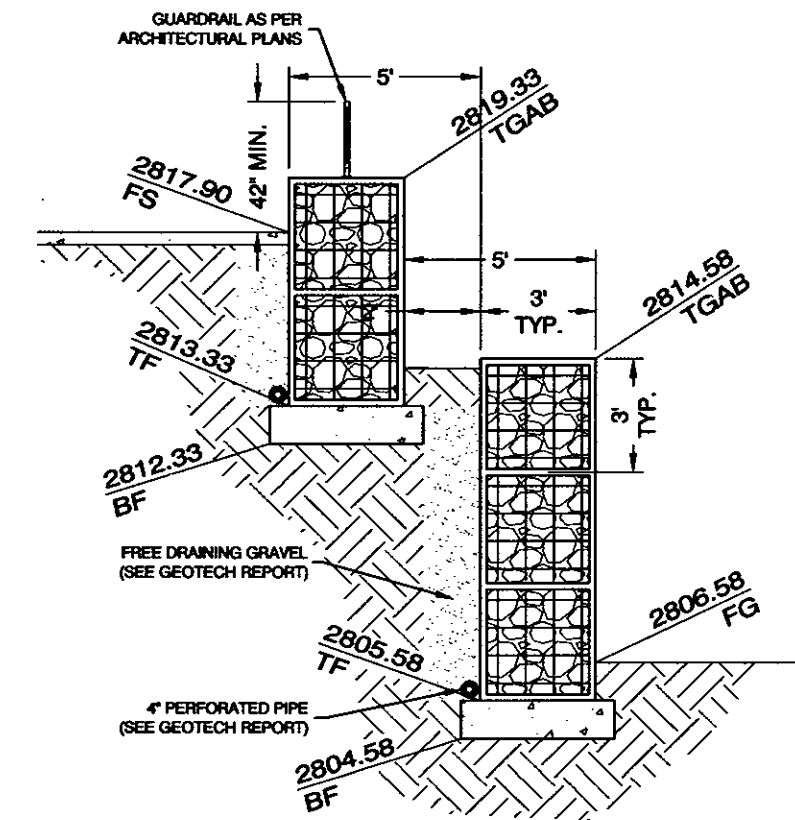
**SECTION "B-B"** \_\_\_\_\_  
SCALE: 1" = 50'



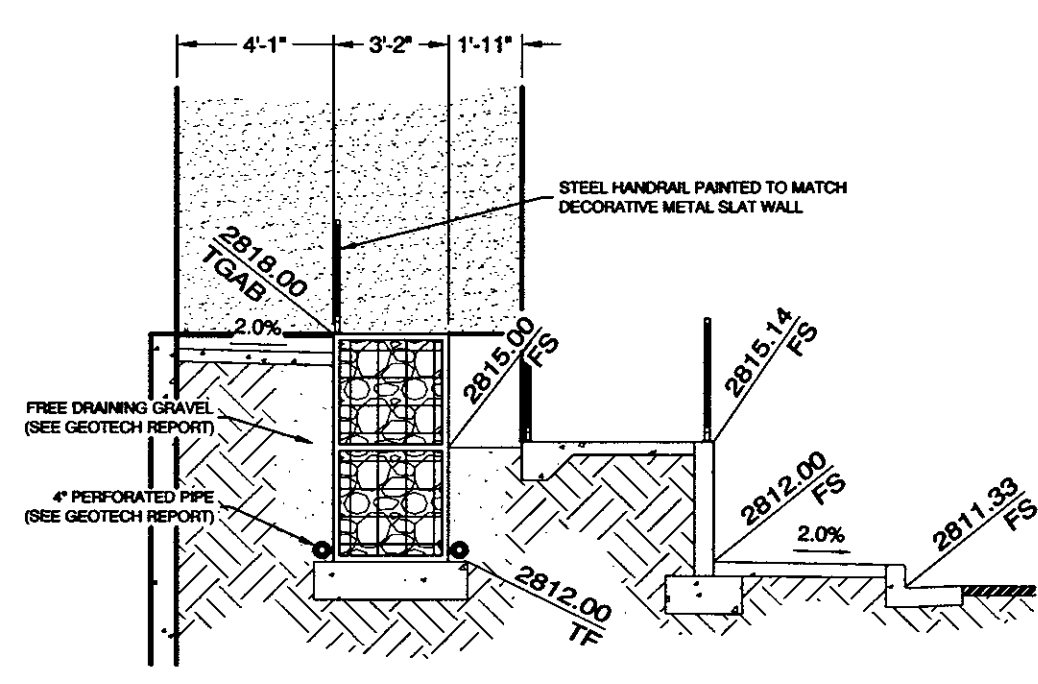
**ELEVATION "A"**  
**SCALE: 1" = 10'**



**ELEVATION "C"** \_\_\_\_\_  
SCALE: 1" = 10'



**SECTION "A-A" \_\_\_\_\_**  
**SCALE: 1" = 50'**



**SECTION "C-C"\_\_\_\_\_**  
**SCALE: 1" = 50'**





NOTICE!  
EXISTING UTILITIES ARE SHOWN ON PLANS FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CONTRACTOR IS RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UTILITIES. THE ENGINEER BEARS NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR SHOWN INCORRECTLY.

#### PLANTING NOTES:

1. THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
2. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN THE QUANTITIES AND SIZES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON ALL DRAWINGS.
3. ALL MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA).
4. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN FINISHED AND APPROVED BY PROJECT MANAGER OR LANDSCAPE ARCHITECT.
5. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE IN ITS CONTAINER.
6. ALL PLANTS SHALL BE BALLED AND WRAPPED OR CONTAINER GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND. ALL ROOT WRAPPING MATERIAL MADE OF SYNTHETICS OR PLASTICS SHALL BE REMOVED AT TIME OF PLANTING AND WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE CONTAINER BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
7. ALL PLANTS SHALL BE INSTALLED AS PER DETAILS AND THE CONTRACT SPECIFICATIONS.
8. ALL PLANTS AND STAKES SHALL BE SET PLUMB UNLESS OTHERWISE SPECIFIED.
9. ALL PLANTS SHALL BE INSTALLED AT LEAST 24" FROM BACK OF CURB OR SIDEWALK EXCEPT FOR SMALLER PLANTS THAT MAY BE INSTALLED AT LEAST 18" FROM BACK OF CURB OR SIDEWALK.
10. THE CONTRACTOR SHALL PROVIDE BACKFILL MIX AS PER THE CONTRACT SPECIFICATIONS.
11. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24 HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED ON A REGULAR SCHEDULE DURING THE FIRST GROWING SEASON.
12. ALL QUANTITIES SHOWN ON THE DRAWINGS ARE FOR CONVENIENCE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THESE QUANTITIES.
13. THE CONTRACTOR SHALL WARRANTY ALL PLANT MATERIAL FOR ONE-YEAR AFTER INSTALLATION.
14. THE TOP 24" OF BACKFILL MATERIAL SHALL HAVE A MINIMUM OF 20% ORGANIC MATERIAL.
15. FINISH GRADE OF ROCK MULCH WILL BE 1" BELOW TOP OF CURB.

#### CLEAR SIGHT DISTANCE CORRIDORS:

KEEP OUT ALL OBJECTS THAT MIGHT BLOCK SIGHT DISTANCE CORRIDORS AT INTERSECTIONS AND DRIVEWAYS.

#### IRRIGATION NOTES:

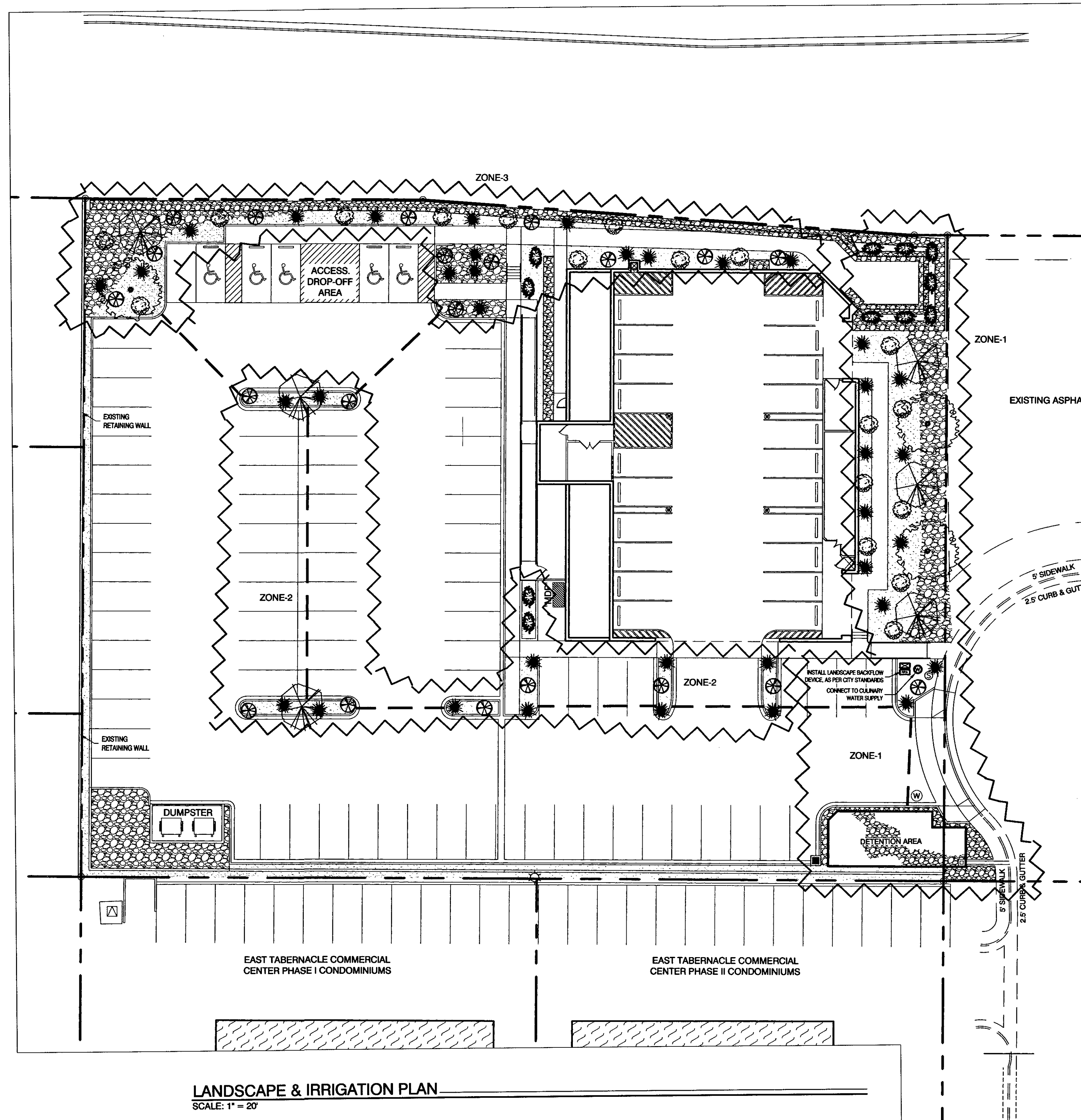
1. LANDSCAPE/IRRIGATION INSTALLER SHALL HAVE ALL REQUIRED STATE AND LOCAL LICENSES, INSURANCE, AND BONDING REQUIREMENTS.
2. PLANTS WITH SIMILAR WATER NEEDS SHALL BE GROUPED TOGETHER IN 'HYDRO ZONES'. SPRAY HEADS AND DRIP EMITTERS SHALL NOT BE CONNECTED TO THE SAME IRRIGATION VALVE.
3. RIGHT OF WAY AREAS SHALL BE MAINTAINED WITH PROPERTY.
4. LANDSCAPE/IRRIGATION INSTALLER SHALL INSTALL ALL PLANTS AND IRRIGATION EQUIPMENT TO SUPPLIER AND MANUFACTURER RECOMMENDATIONS.
5. INSTALL SLEEVES AND PIPE IN RETAINING WALLS AND UNDER PAVING PRIOR TO PAVING INSTALLATION. SLEEVE MAINLINES AND LATERALS SEPARATELY WHEN POSSIBLE.

#### WATER PERFORMANCE AUDIT:

A WATER PERFORMANCE AUDIT SHALL BE CONDUCTED BY A CERTIFIED WATER AUDITOR WITHIN 30 DAYS FOLLOWING THE INSTALLATION OF THE IRRIGATION SYSTEM. A MINIMUM OF 10% OF THE IRRIGATION ZONES SHALL BE AUDITED AT THE DISCRETION OF THE AUDITOR.

TREES AND SHRUBS - USE DRIP SYSTEM, DRIP EMITTER, RAINBIRD TUBE SYSTEM, TREE RING DRIP SYSTEM, OR SIMILAR.

DRIP SYSTEM TO BE DESIGN BY LANDSCAPE CONTRACTOR ONSITE TO VERIFY ADEQUATE FLOW TO EACH PLANT. FLOWS WILL BE ADJUSTED TO THE REQUIREMENTS OF EACH SPECIES.



#### LANDSCAPE & IRRIGATION PLAN

SCALE: 1" = 20'

#### LANDSCAPE MATERIALS LEGEND

##### TREES

- |  |   |                              |
|--|---|------------------------------|
|  | FAN TEX ASH<br><i>Fraxinus velutina</i>                 | 24" BOX, SPACING AS PER PLAN |
|  | MORNING CLOUD CHITALPA<br><i>Chitalpa tashkentensis</i> | 24" BOX, SPACING AS PER PLAN |
- NOTE: FOR TREES ALONG STREETS - TRIM AND MAINTAIN TREE CANOPY TO 8FT ABOVE GROUND TO INSURE SIGHT DISTANCE

##### SHRUBS

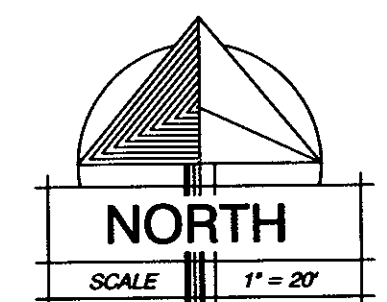
- |  |   |                    |
|--|---|--------------------|
|  | LOWFAST COTONEASTER<br><i>Cotoneaster 'Lowfast'</i> | 5 GAL., 8" SPACING |
|  | GREEN SANTOLINA<br><i>Santolina virens</i>          | 5 GAL., 5" SPACING |
|  | BEAR GRASS<br><i>Nolina microcarpa</i>              | 5 GAL., 6" SPACING |
|  | PINK LADY HAWTHORN                                  | 5 GAL., 6" SPACING |
|  | DESERT SPOON<br><i>Dasylirotrion wheeleri</i>       | 5 GAL., 5" SPACING |
|  | RED AUTUMN SAGE<br><i>Salvia greggii</i>            | 5 GAL., 5" SPACING |

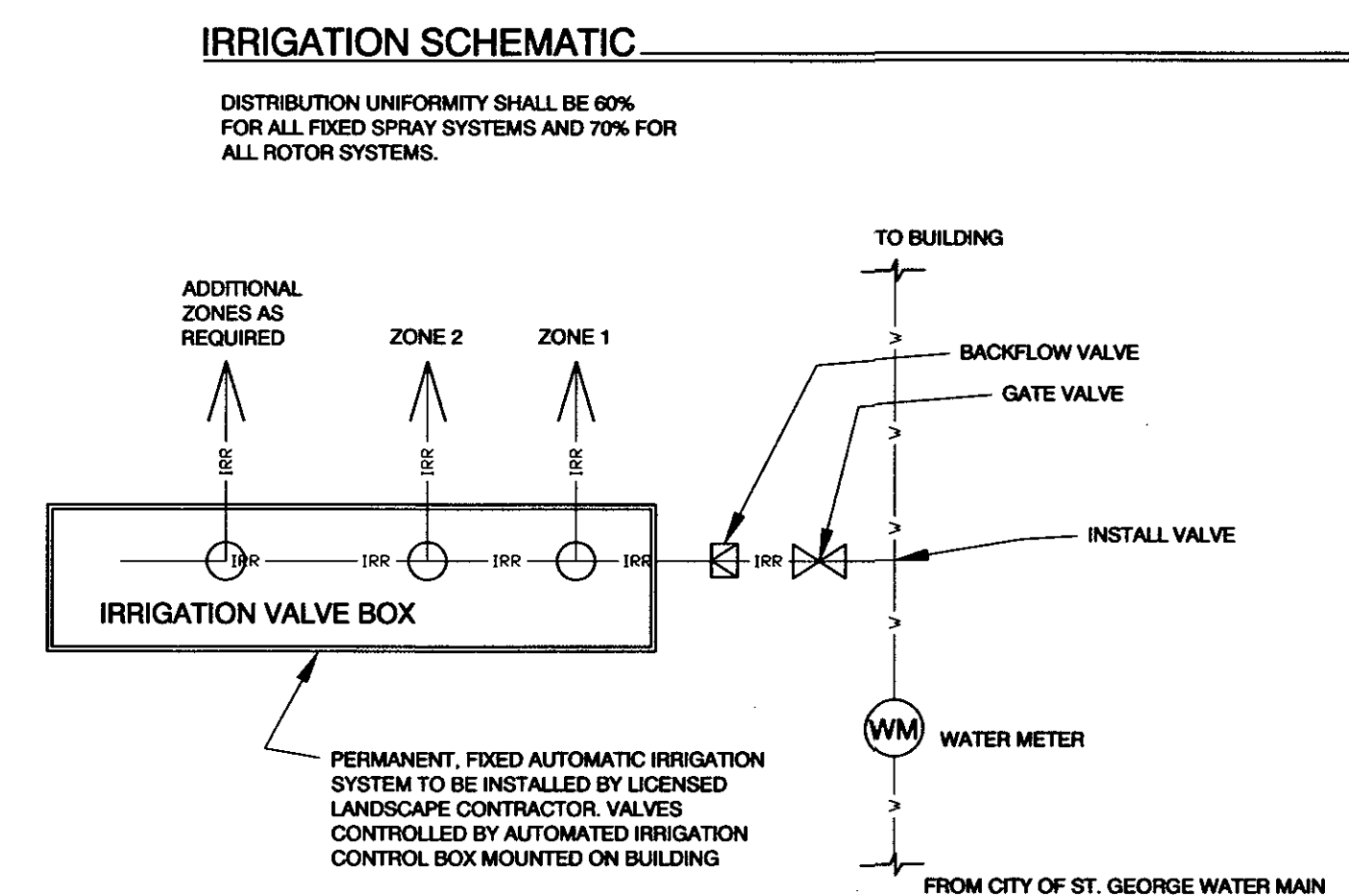
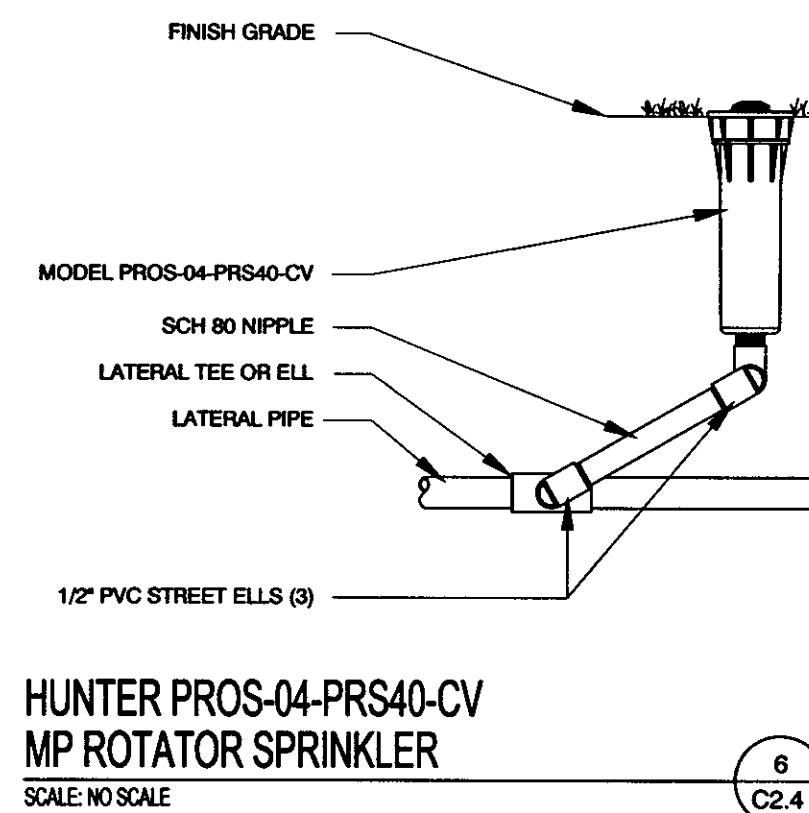
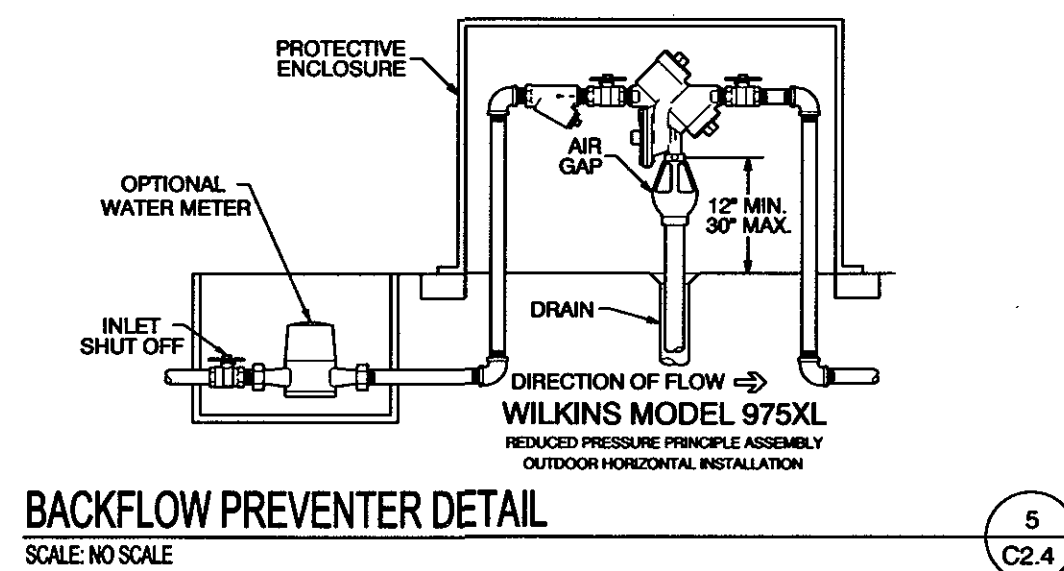
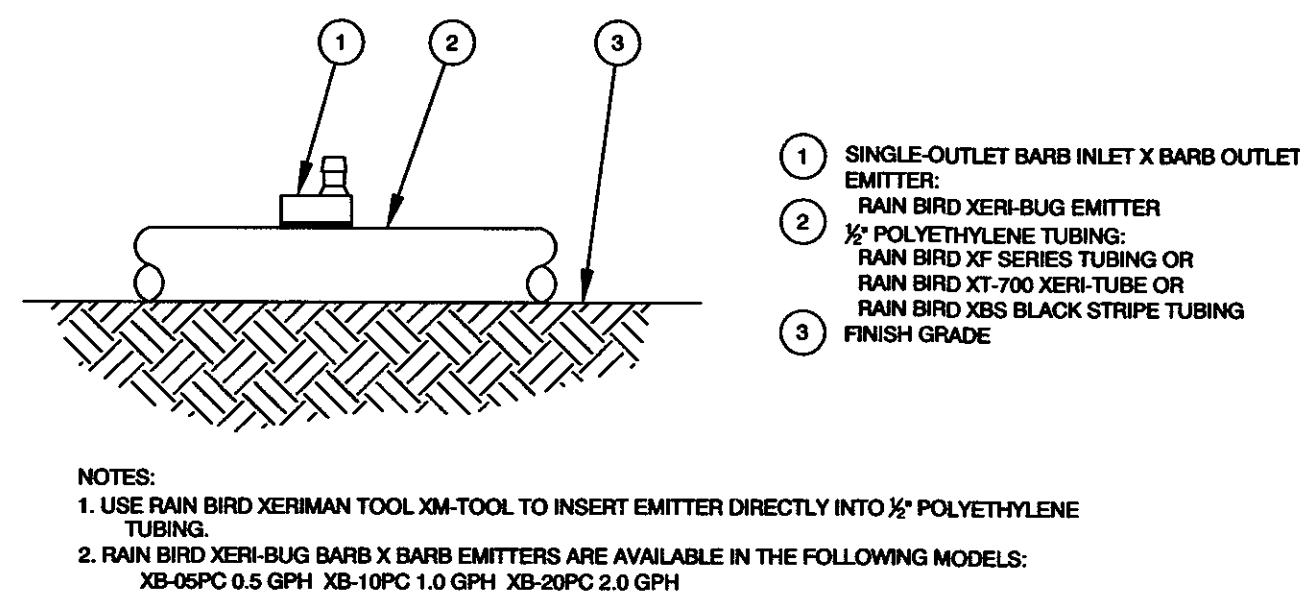
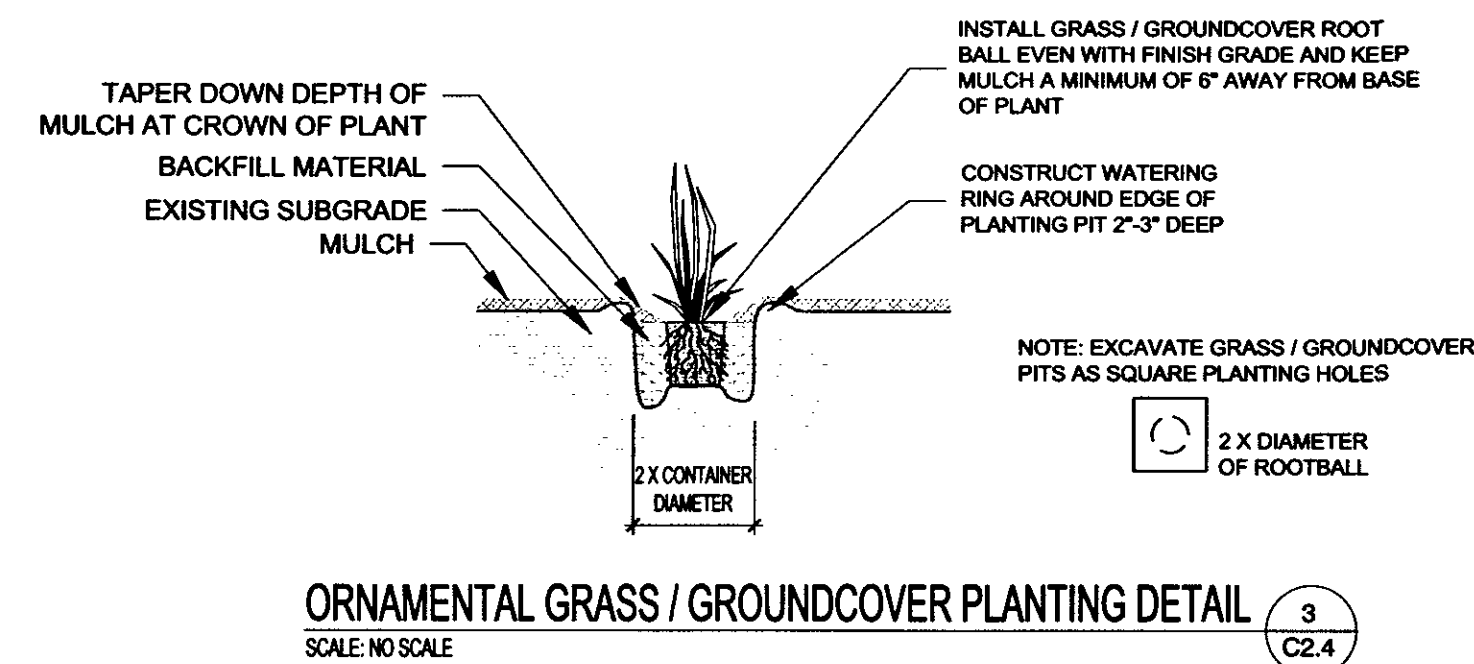
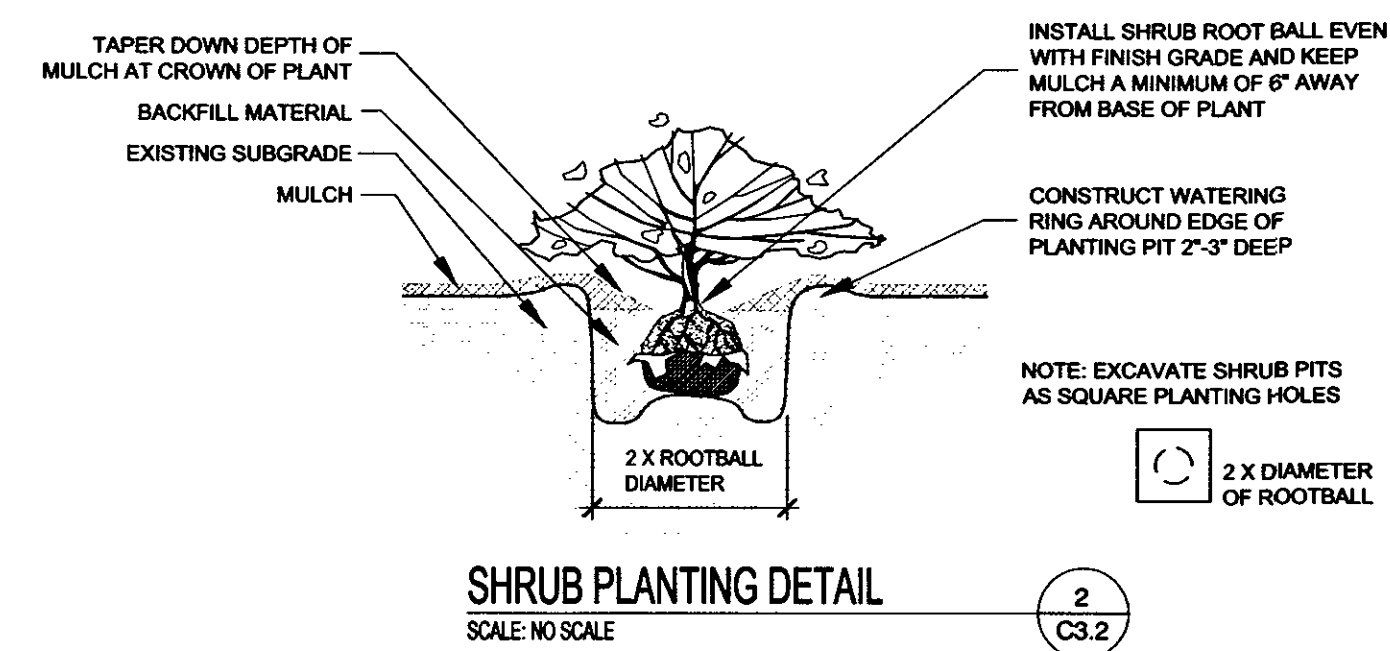
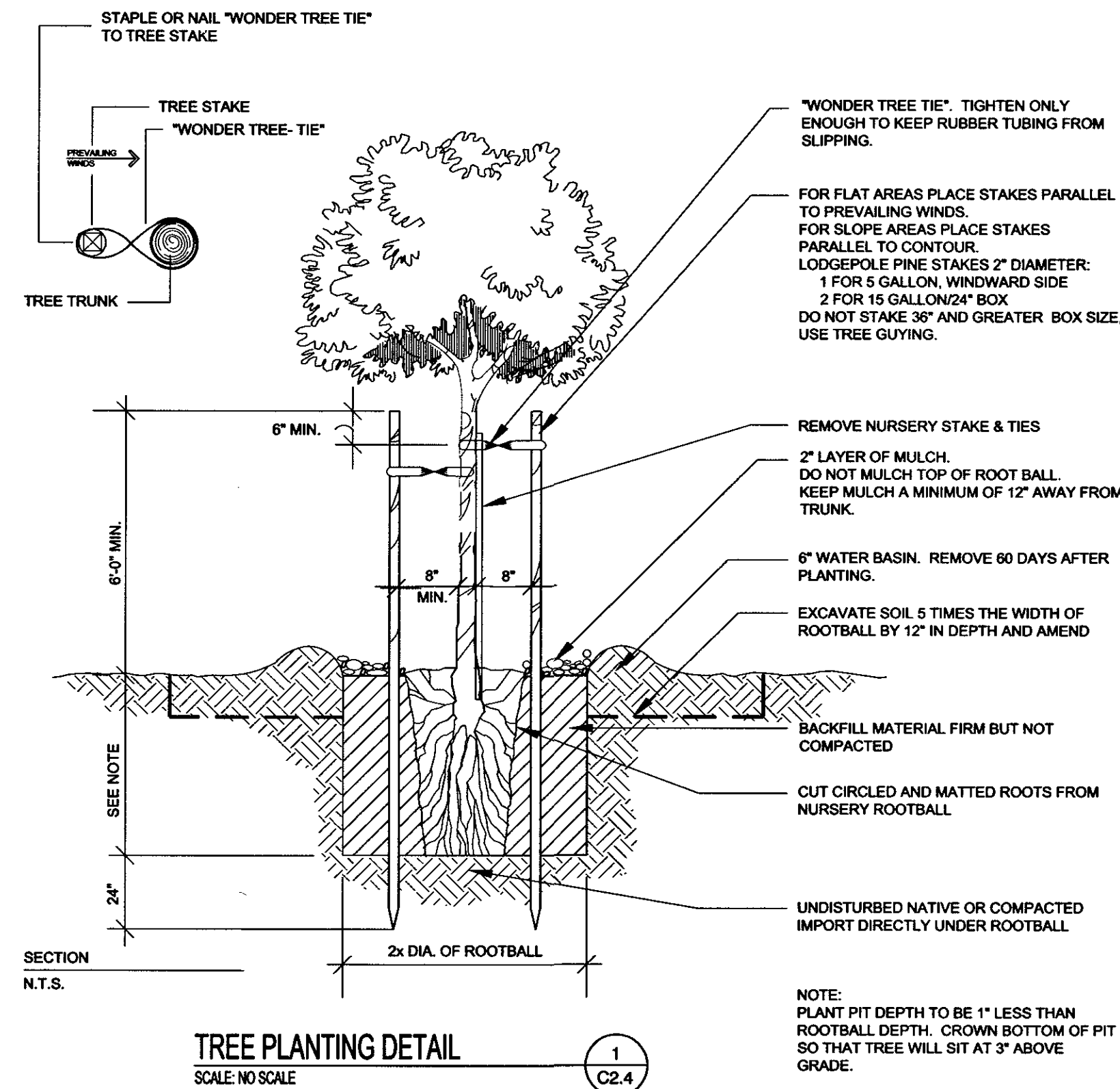
##### DECORATIVE ROCK

- |  |   |
|--|---|
|  | LANDSCAPE ROCK<br>1'-2' Star Nursery Boulder Rose, or equal, 3 INCHES THICK OVER FELT WEED BARRIER    |
|  | LANDSCAPE ROCK<br>4'-6' Local Sourced Landscape Rock, or equal, COMPLETE COVER OVER FELT WEED BARRIER |

#### LANDSCAPE IRRIGATION LEGEND

- |  |   |
|--|---|
|  | WATER METER - COORDINATE WITH CIVIL UTILITY PLAN  |
|  | MAIN IRRIGATION DISTRIBUTION LINE, SIZE AS NOTED  |
|  | REDUCED PRESSURE ASSEMBLY/BACK-FLOW PREVENTER   |
|  | IRRIGATION CONTROL BOX, NUMBER OF VALVES AS NOTED   |
|  | USE HUNTER MP ROTATOR HEADS AS CALLED OUT WITH HUNTER PRS40 BODY, U.N.O.  |
|  | HEAD NUMBER<br>FLOW IN GPM  |
|  | NOTE: MP ROTATOR HEADS USE SIGNIFICANTLY LESS WATER THAN STANDARD SPRAY HEADS. TIME CLOCK MUST BE SET ACCORDINGLY, THIS ALLOWS FOR BETTER SATURATION AND LESS RUN-OFF |
|  | EXTERIOR, WEATHER PROOF, 5 ZONE, COMMERCIAL GRADE, PROGRAMMABLE IRRIGATION CLOCK  |
|  | 3" SLEEVE BETWEEN PLANTERS AS SHOWN. PROVIDE SLEEVE UNDER ALL SIDEWALKS AS REQUIRED   |





CALL BEFORE YOU DIG!



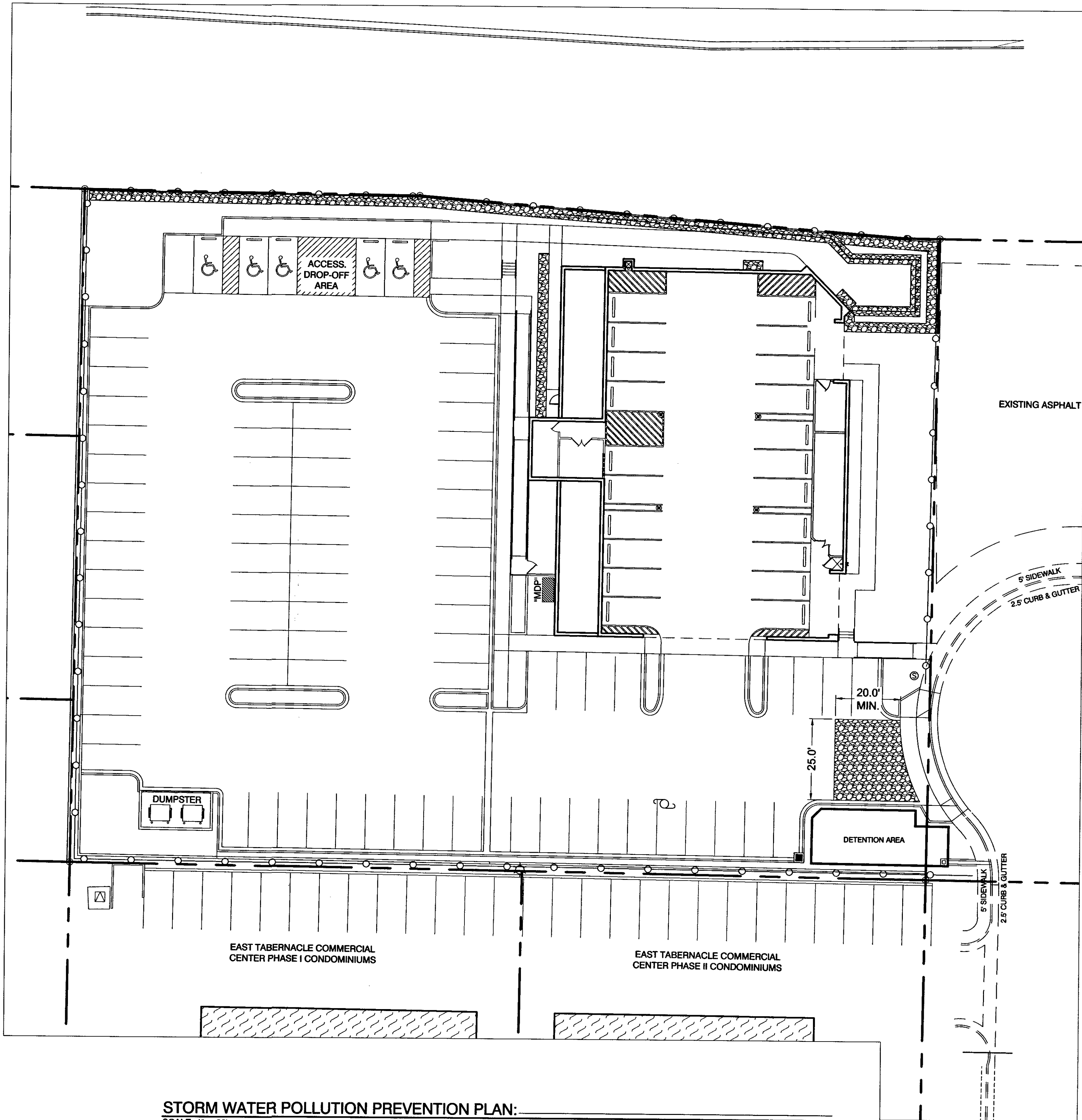
NOTICE!  
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EROSION CONTROL NOTES

1. PROVIDE SEDIMENT BASINS AT THE BOTTOM OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED AFTER EVERY STORM EVENT. THE BASINS MAY BE REMOVED AFTER SOIL STABILIZATION AND VEGETATION IS ESTABLISHED ON ERODABLE SLOPES.
2. PROVIDE SEDIMENT CONTROL AROUND EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM.
3. ALL EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSPECTED AND MAINTAINED REGULARLY AND AFTER EVERY STORM EVENT.
4. ANY ALTERNATIVE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY THE ENGINEER AND THE CITY OF PAGE.
5. THE CONTRACTOR SHOULD FOLLOW A WORK SCHEDULE THAT COORDINATES THE TIMING OF LAND-DISTURBING ACTIVITIES.
6. LIMIT LAND CLEARING AND RESTORE ALL GRADING AS SOON AS POSSIBLE.
7. PRACTICE STAGED SEEDING TO RE-VEGETATE CUT AND FILL SLOPES AS THE WORK IS IN PROGRESS.
8. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING AND CONTROLLING EROSION DUE TO WIND AND OTHER EROSION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL BMPs.
9. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER OR THE CITY OF PAGE.
10. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING THE STREETS CLEAN AND FREE FROM DEBRIS.
11. CONTRACTOR SHALL USE VEHICLE TRACKING CONTROL AT ALL ENTRANCES AND EXITS.
12. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, ETC.) SHALL BE DISPOSED AS TO NOT ENTER THE STORM WATER SYSTEM.
13. CONTRACTOR SHALL PROVIDE DUST CONTROL AT ALL TIMES DURING CONSTRUCTION.
14. THE LIMITS OF DISTURBANCE SHALL BE STAKED BEFORE CONSTRUCTION BEGINS.
15. COMPLY WITH ALL REQUIREMENTS FROM THE CITY OF PAGE AND THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY.
16. A COPY OF THIS STORM WATER POLLUTION PREVENTION PLAN SHALL BE KEPT ON SITE DURING ALL CONSTRUCTION ACTIVITIES.

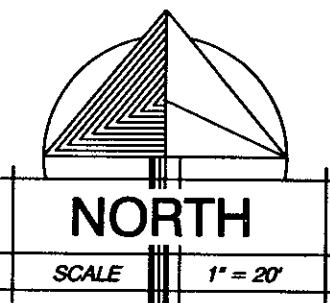
LONG TERM MAINTENANCE (POST CONSTRUCTION)

1. EROSION CONTROL STRUCTURES MAY BE REMOVED ONCE FINAL LANDSCAPING IS IN PLACE. EROSION CONTROL STRUCTURES BELOW SEEDING AREAS MUST REMAIN IN PLACE UNTIL THE ENTIRE AREA HAS BEEN ESTABLISHED. EROSION CONTROL IN PROPOSED PAVEMENT AREAS SHALL REMAIN IN PLACE UNTIL PAVEMENT IS COMPLETE.
2. THE PROPERTY OWNER IS RESPONSIBLE TO COMPLY WITH ALL APPLICABLE STORM WATER REGULATIONS AT ALL TIMES. ALL BMPs SHALL BE MAINTAINED TO EFFECTIVELY PREVENT THE IMPACTS OF THIS PROJECT'S CONSTRUCTION AND USE ON STORM WATER QUALITY.
3. THE FOLLOWING PRECAUTIONS SHALL BE PERFORMED:
  - A. PERIODIC INSPECTION OF CATCH BASIN SEDIMENT TRAPS AND CLEANING WHEN THE BASIN IS MORE THAN 1/4 FULL. INSPECTIONS SHALL BE DONE AFTER EVERY MAJOR RAINFALL AND EVERY 6 MONTHS AS A MINIMUM. DISPOSAL OF ANY GREASE OR OIL MUST BE DONE IN ACCORDANCE WITH CURRENT ENVIRONMENTAL REGULATIONS.
  - B. LITTER, DEBRIS, AND CHEMICALS MUST BE PICKED UP AND KEPT IN A LOCATION TO PREVENT POLLUTION OF STORM WATER DISCHARGE.
  - C. PARKING AREAS SHALL BE KEPT FREE FROM AUTOMOBILE FLUIDS AS TO NOT WASH INTO THE STORM DRAINAGE SYSTEM.



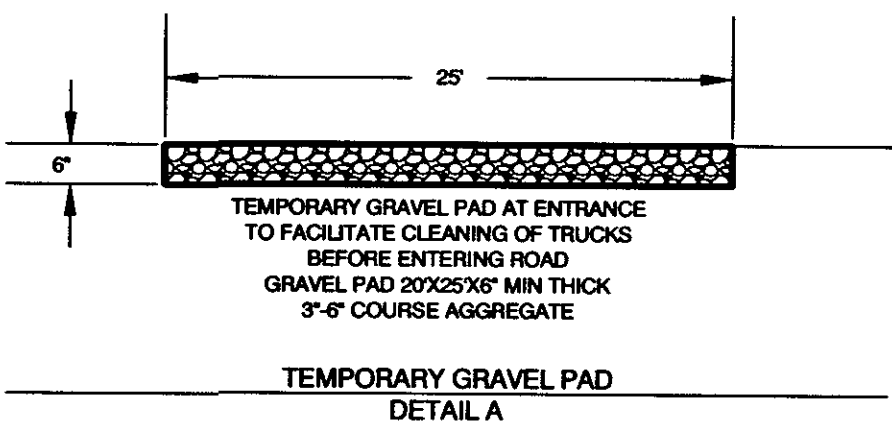
STORM WATER POLLUTION PREVENTION PLAN:  
SCALE: 1" = 20'

SCALE: 1" = 30'



LEGEND:  
—○—○—○— SILT FENCE SEE DETAIL A/C3.1

SILT FENCE NOTE:  
INSTALL SILT FENCE MATERIAL AS SHOWN PRIOR TO BEGINNING ANY SITE CONSTRUCTION OR GRADING.



8/30/2018  
DATE:  
JOB NUMBER:  
1" = 20'  
SCALE:  
R.N.  
DRAWN:  
J.H.C.  
CHECKED:  
PROFESSIONAL SEAL  
STATE OF UTAH  
9/25/19

M  
RW

DESIGN  
ASSOCIATES INC.  
ARCHITECTURE &  
CONSULTING ENGINEERS

73 EAST 100 SOUTH  
P.O. BOX 2775  
ST. GEORGE UTAH 84770  
(435) 628-2377 (435) 673-3580 fax  
www.mrwdesign.com

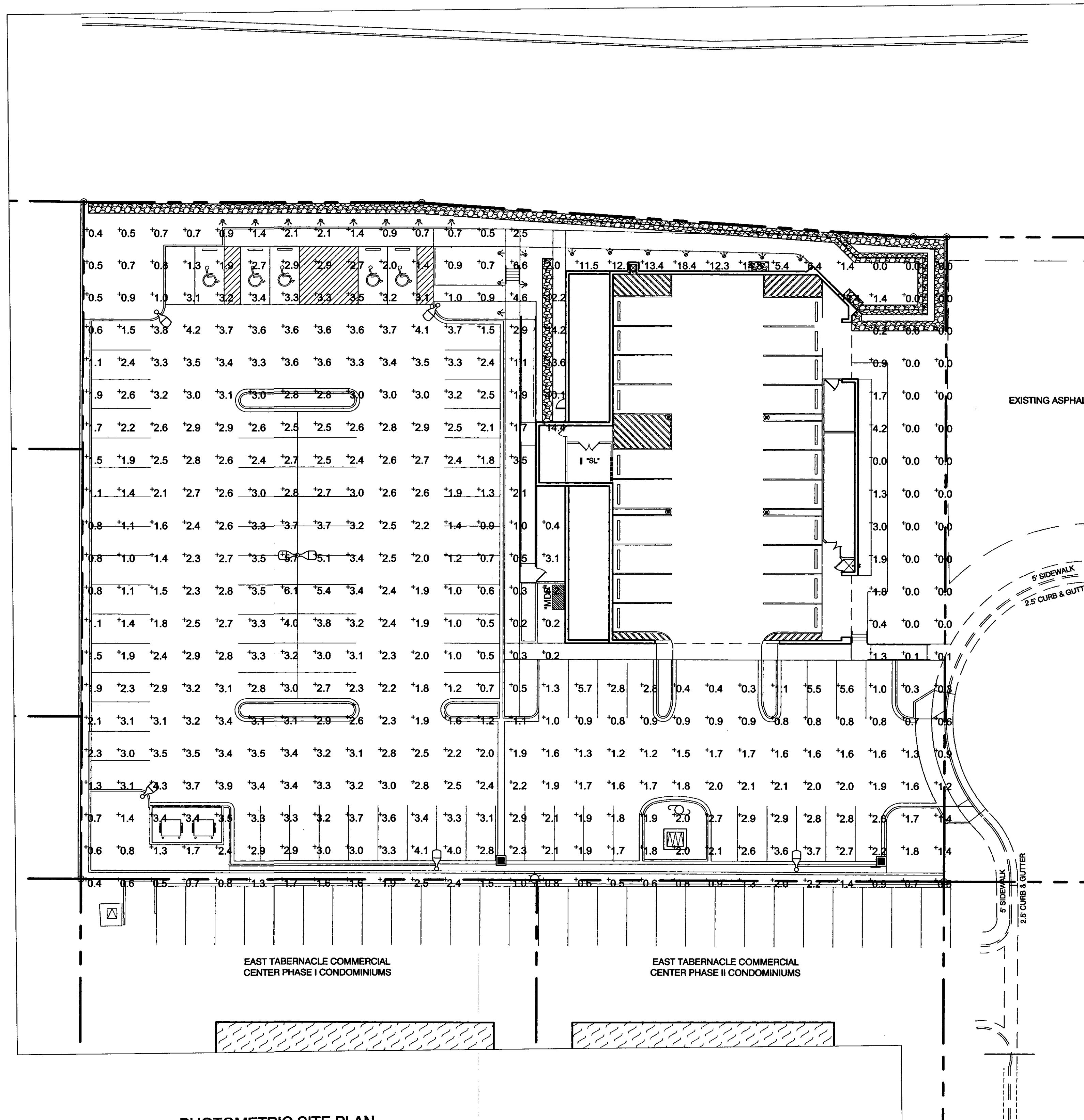
LANDSCAPE & IRRIGATION PLAN  
NEW JAPANESE STEAKHOUSE & SUSHI  
NEAR 1100 EAST & ST. GEORGE BOULEVARD  
ST. GEORGE, UTAH 84770

C3.1  
OF SHEETS

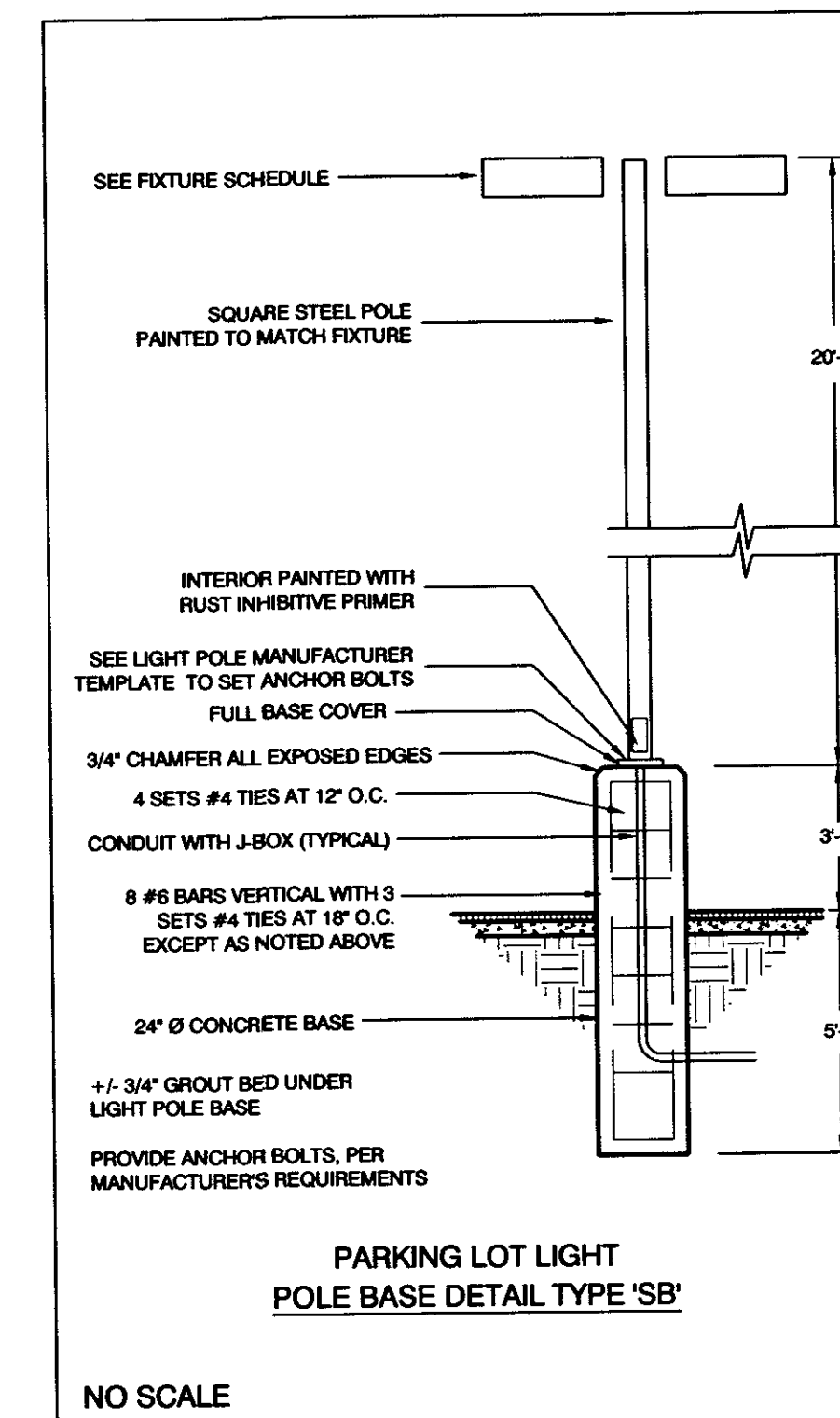
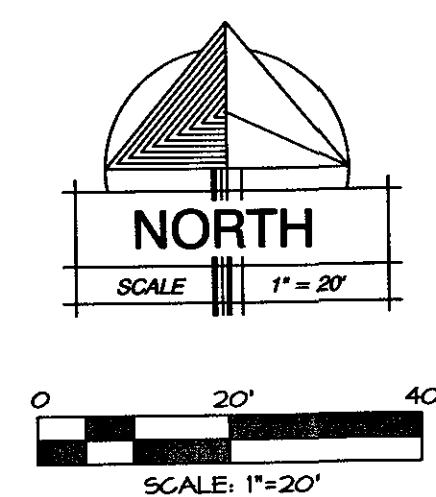








PHOTOMETRIC SITE PLAN  
SCALE: 1" = 20'



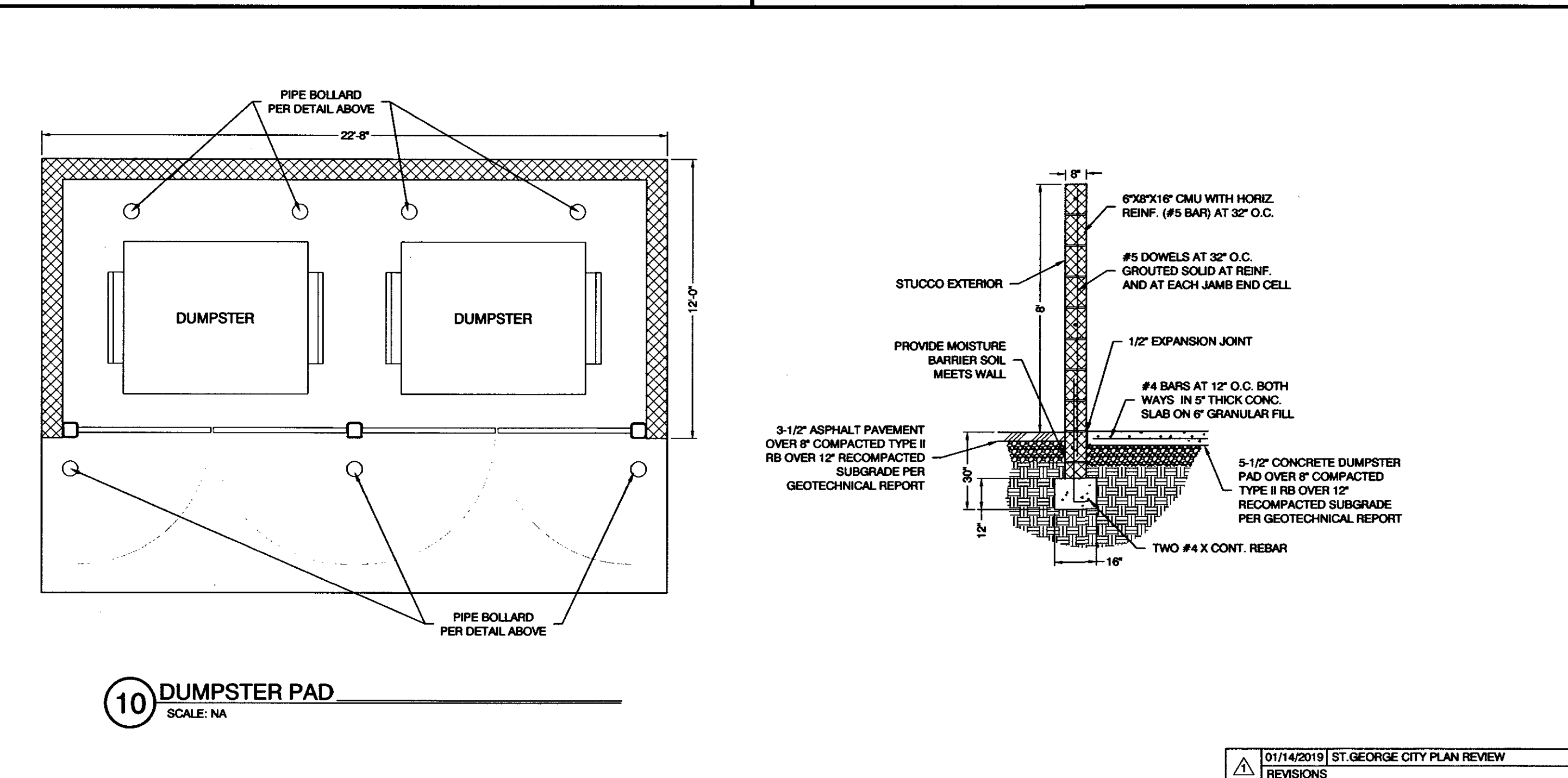
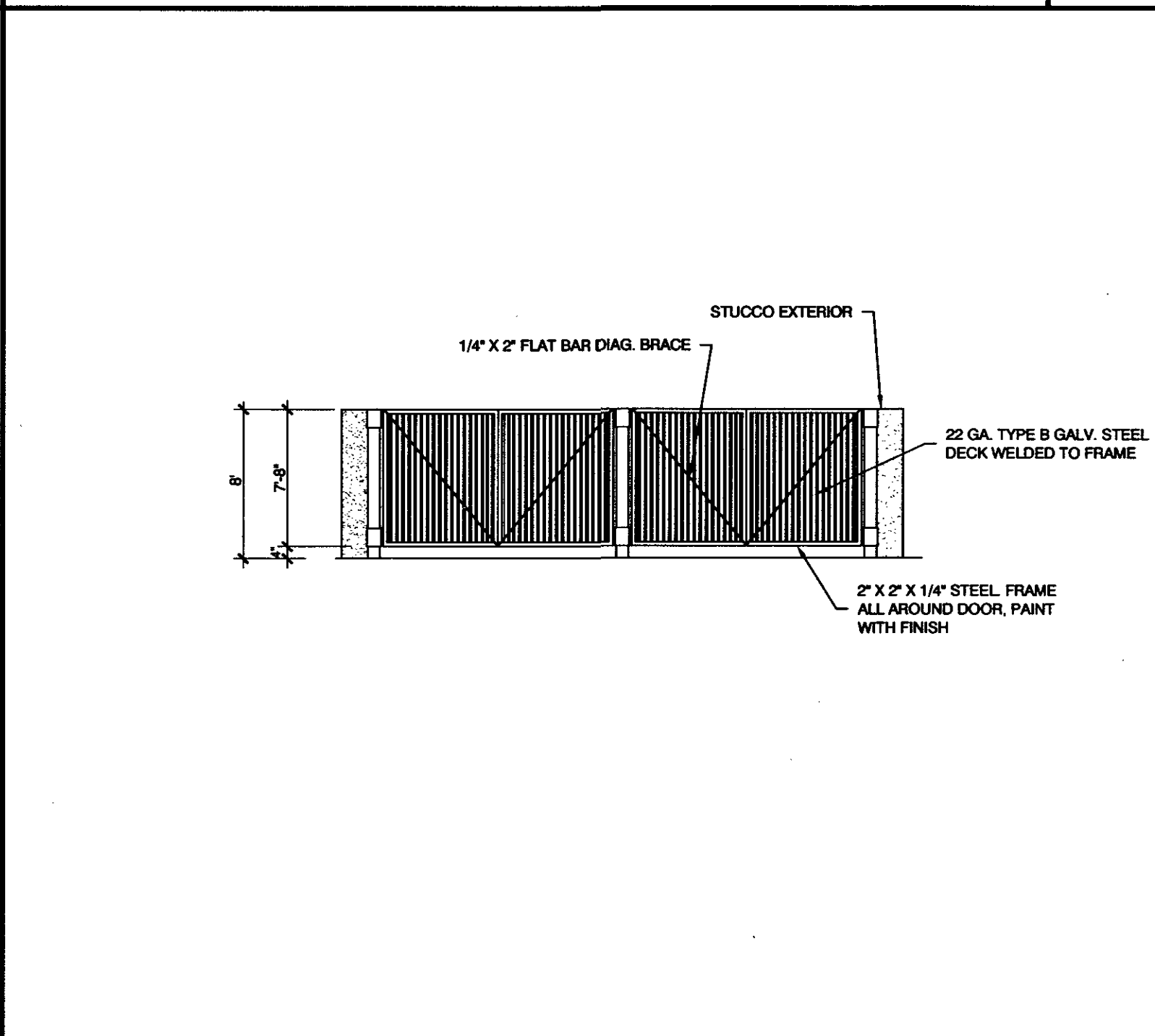
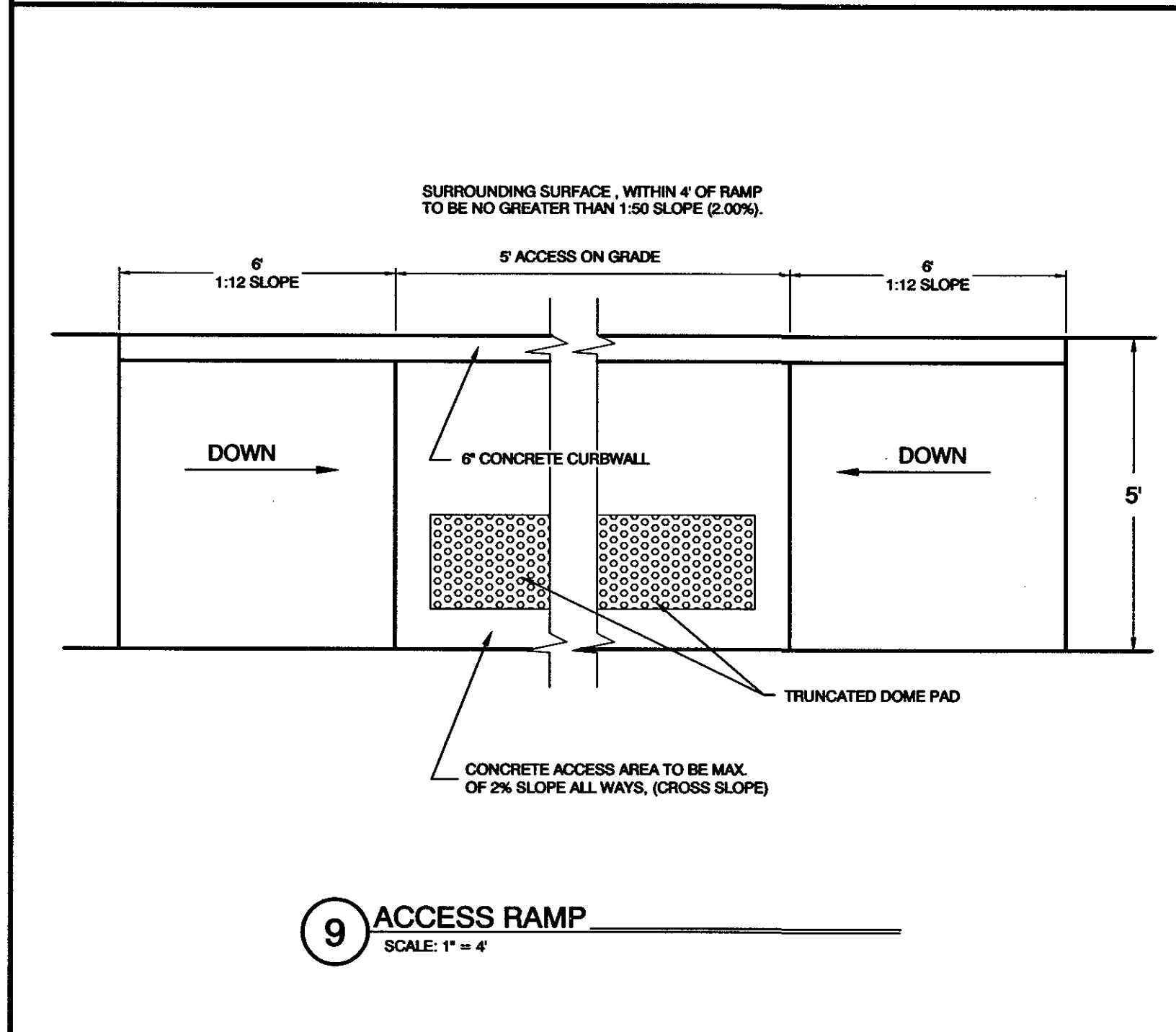
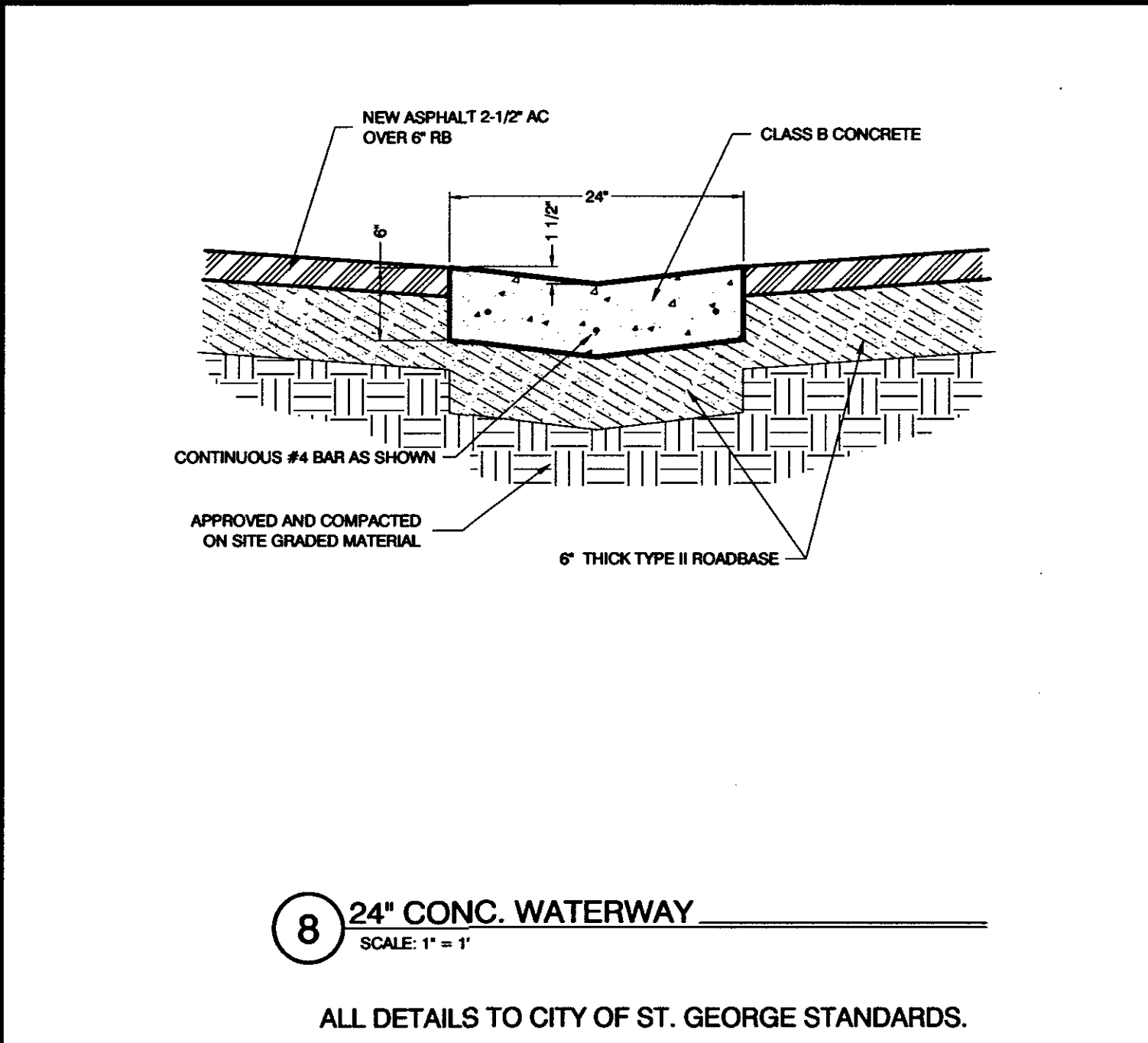
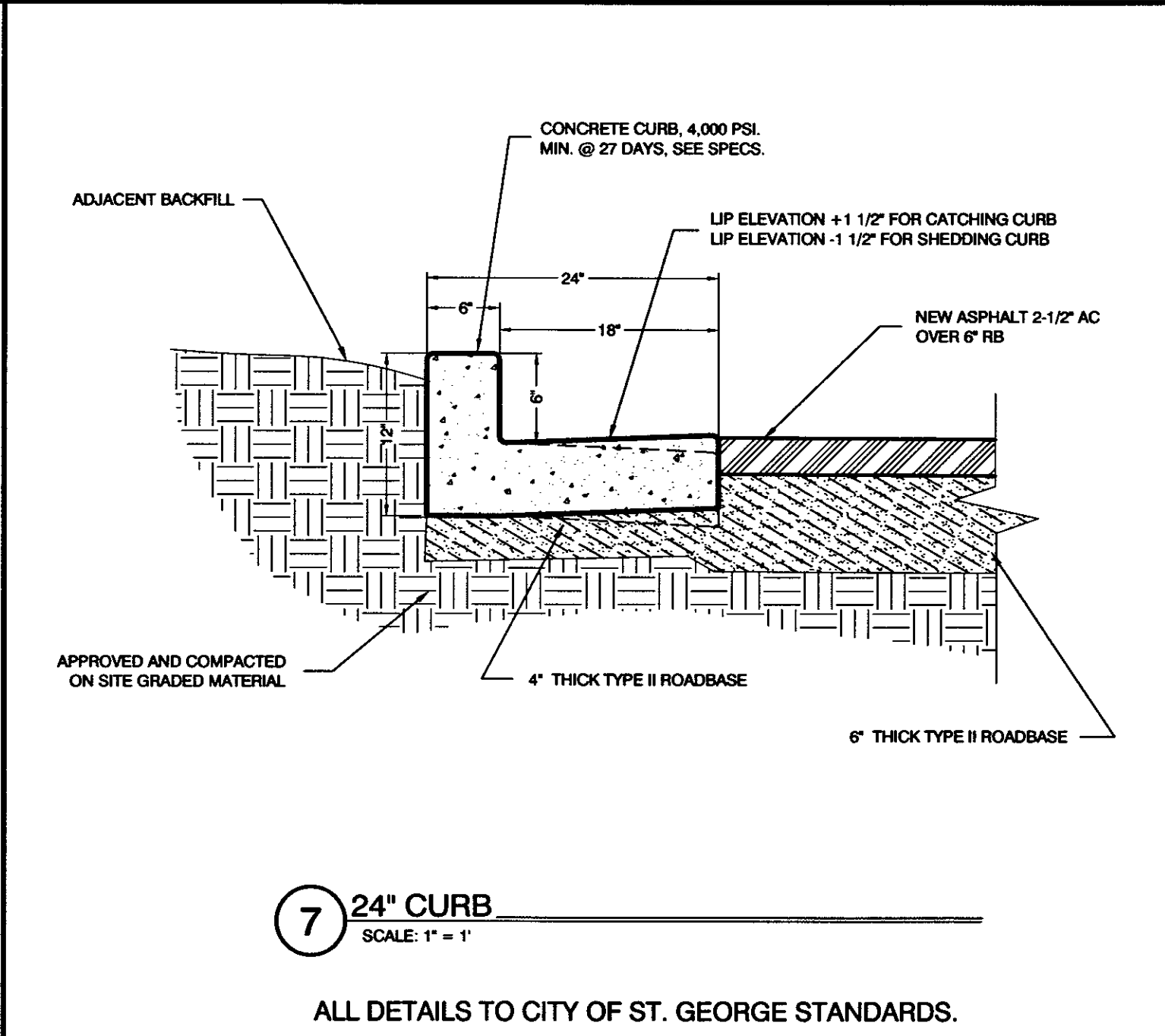
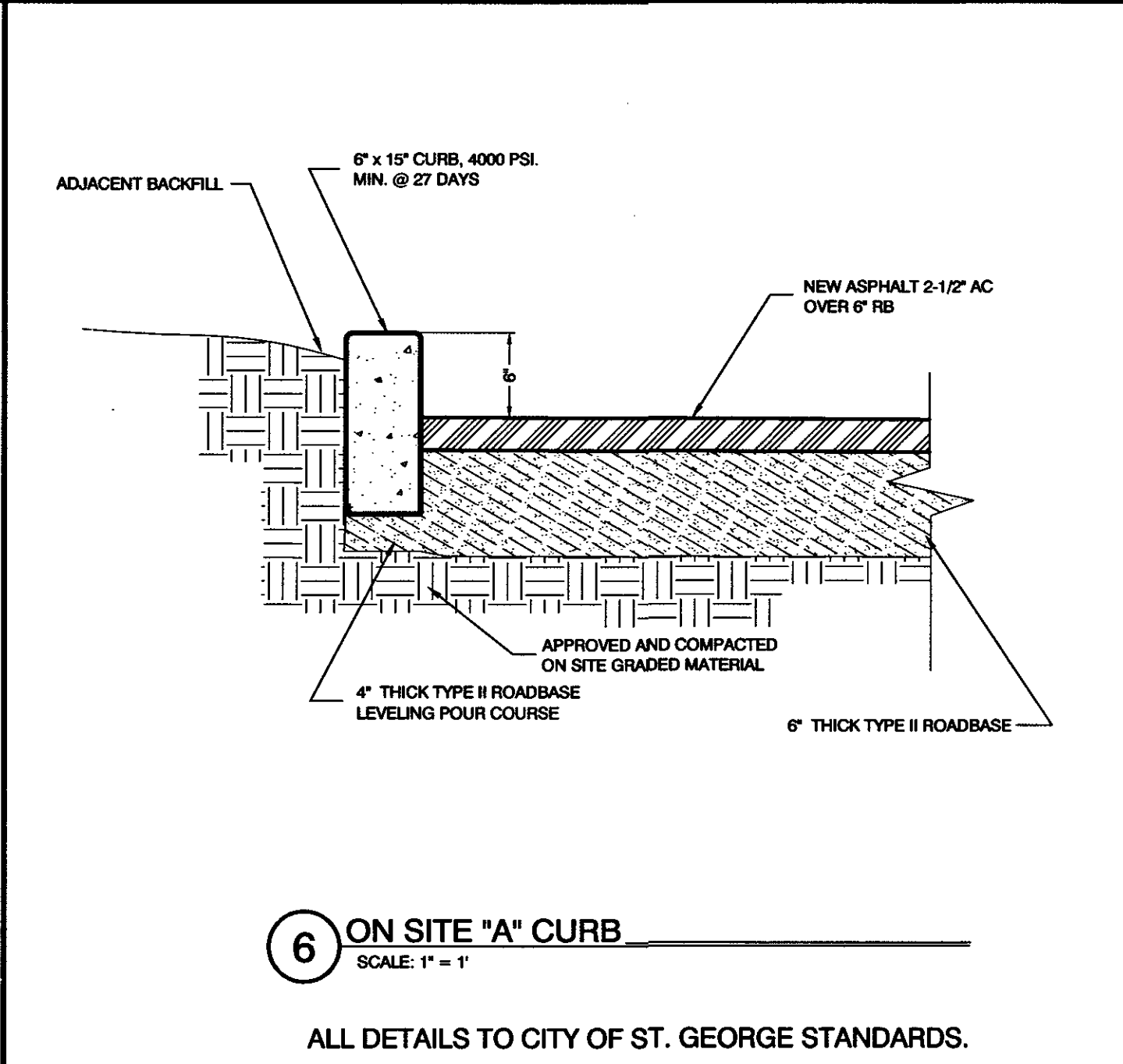
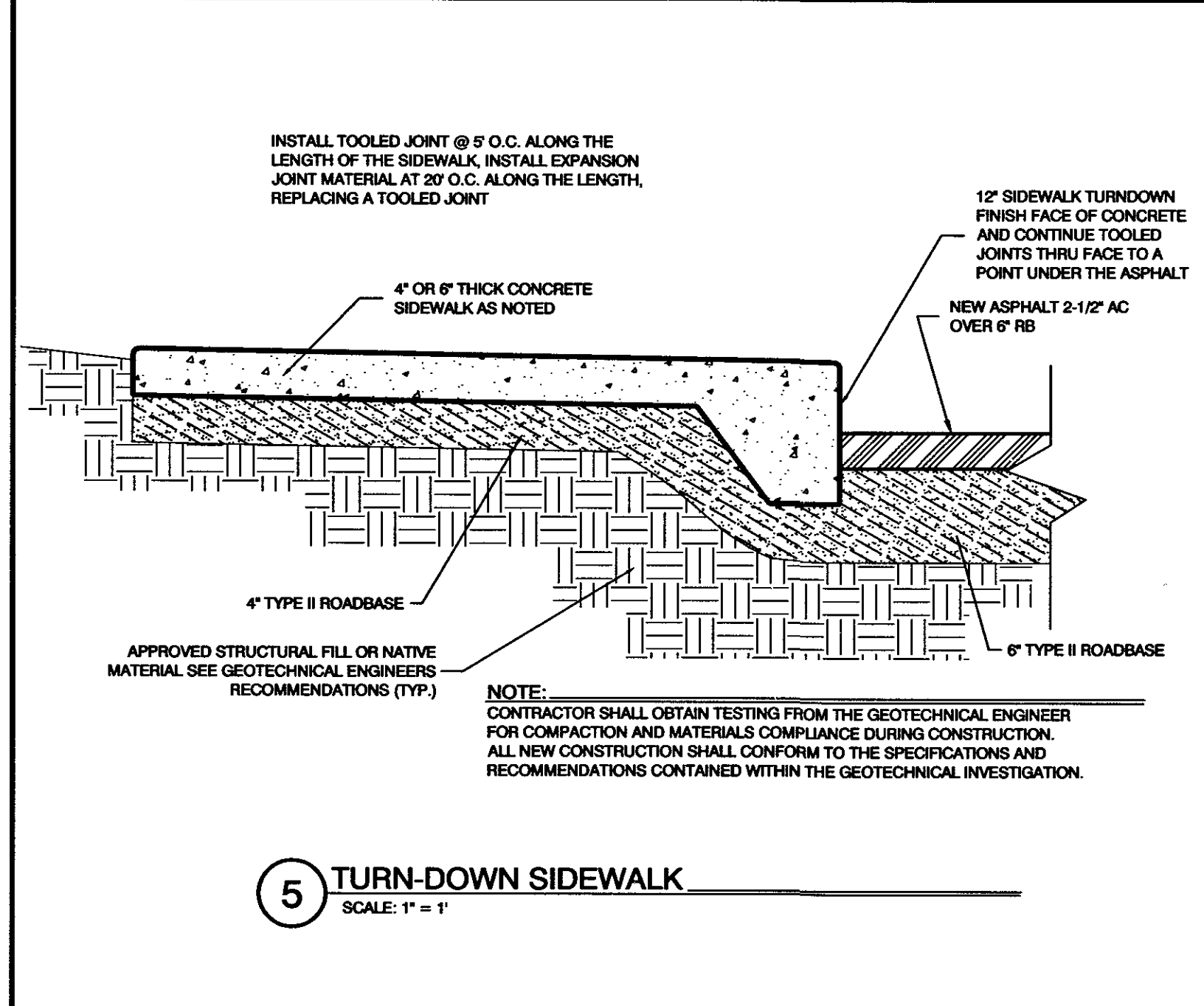
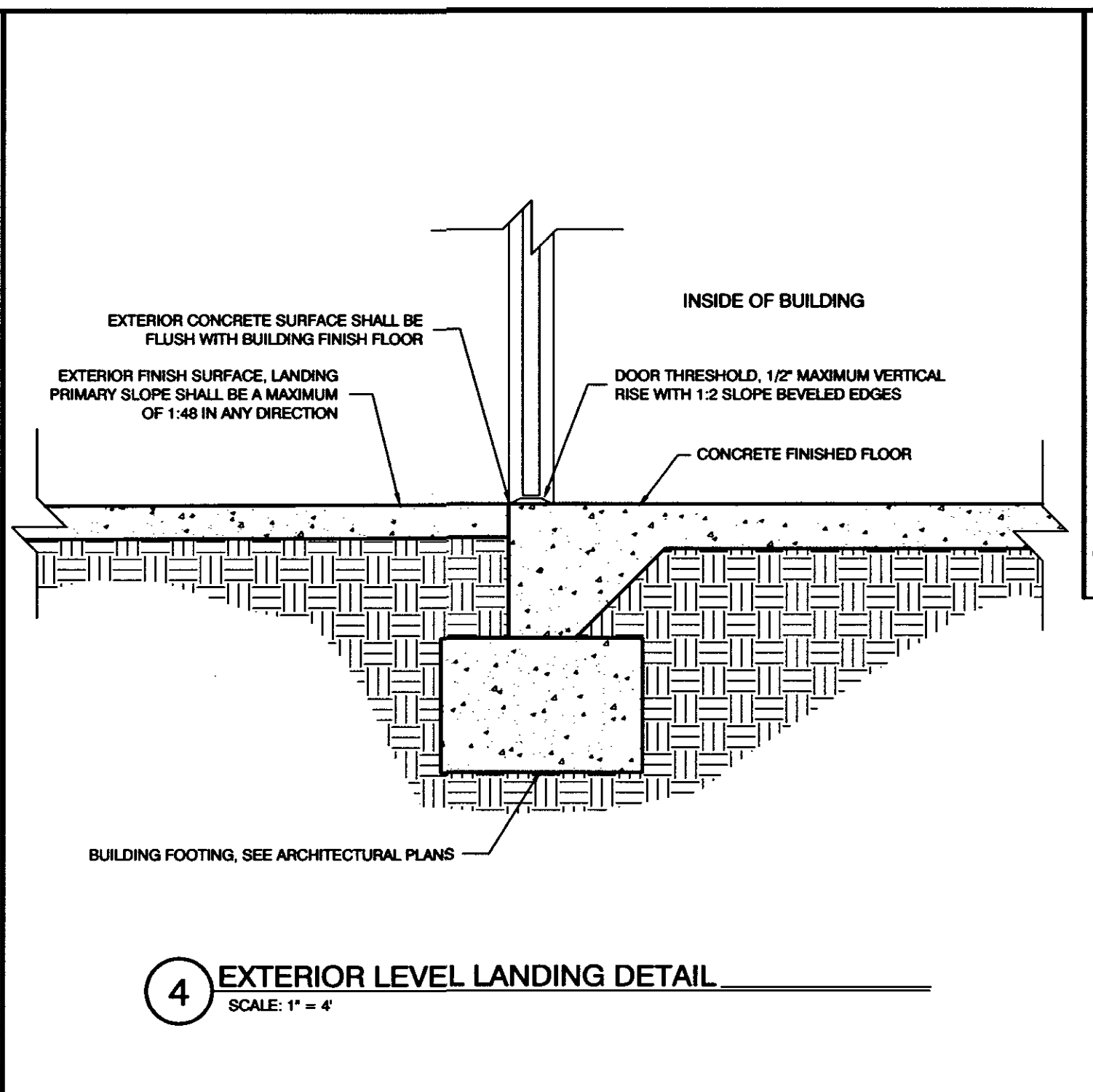
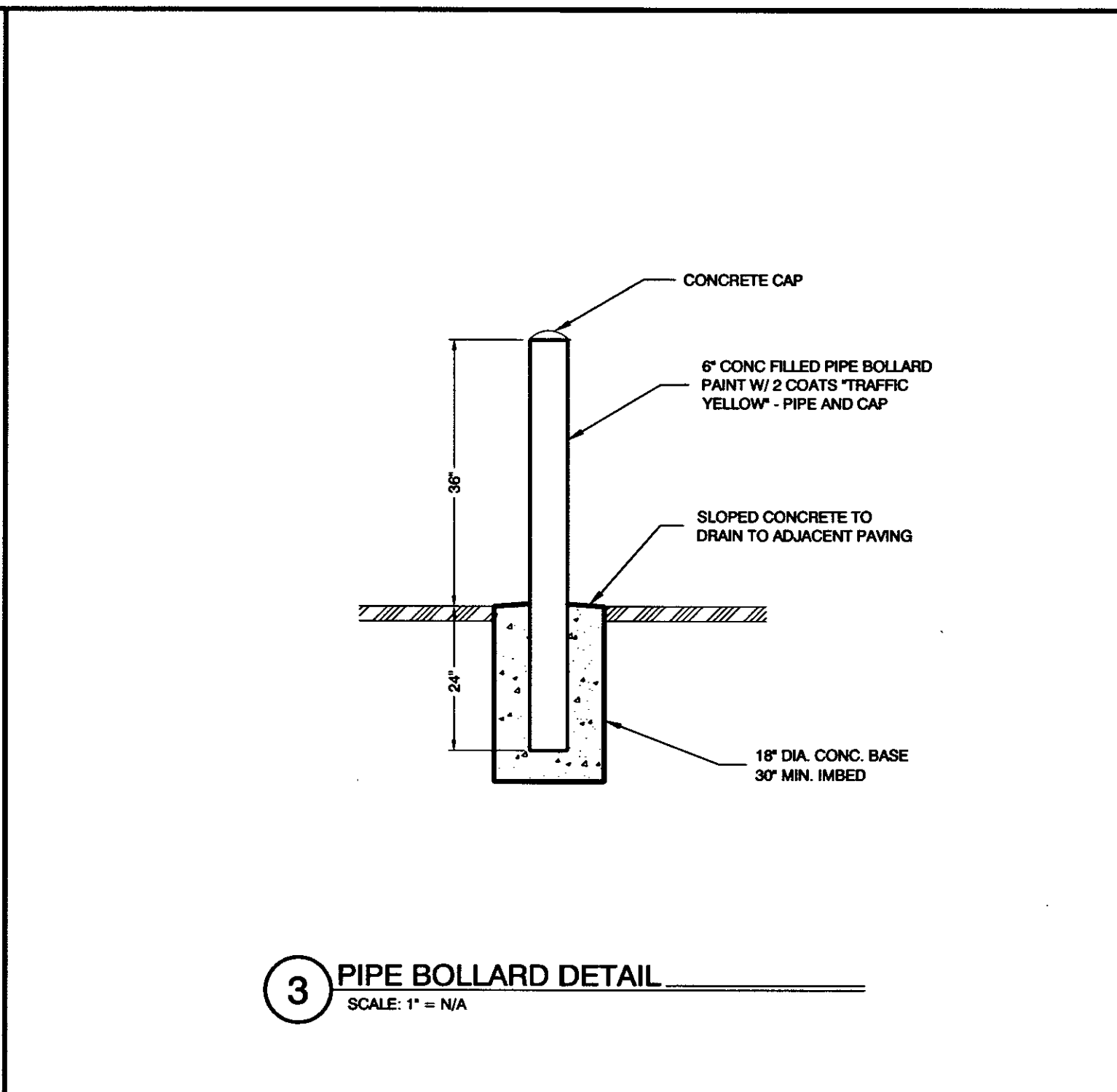
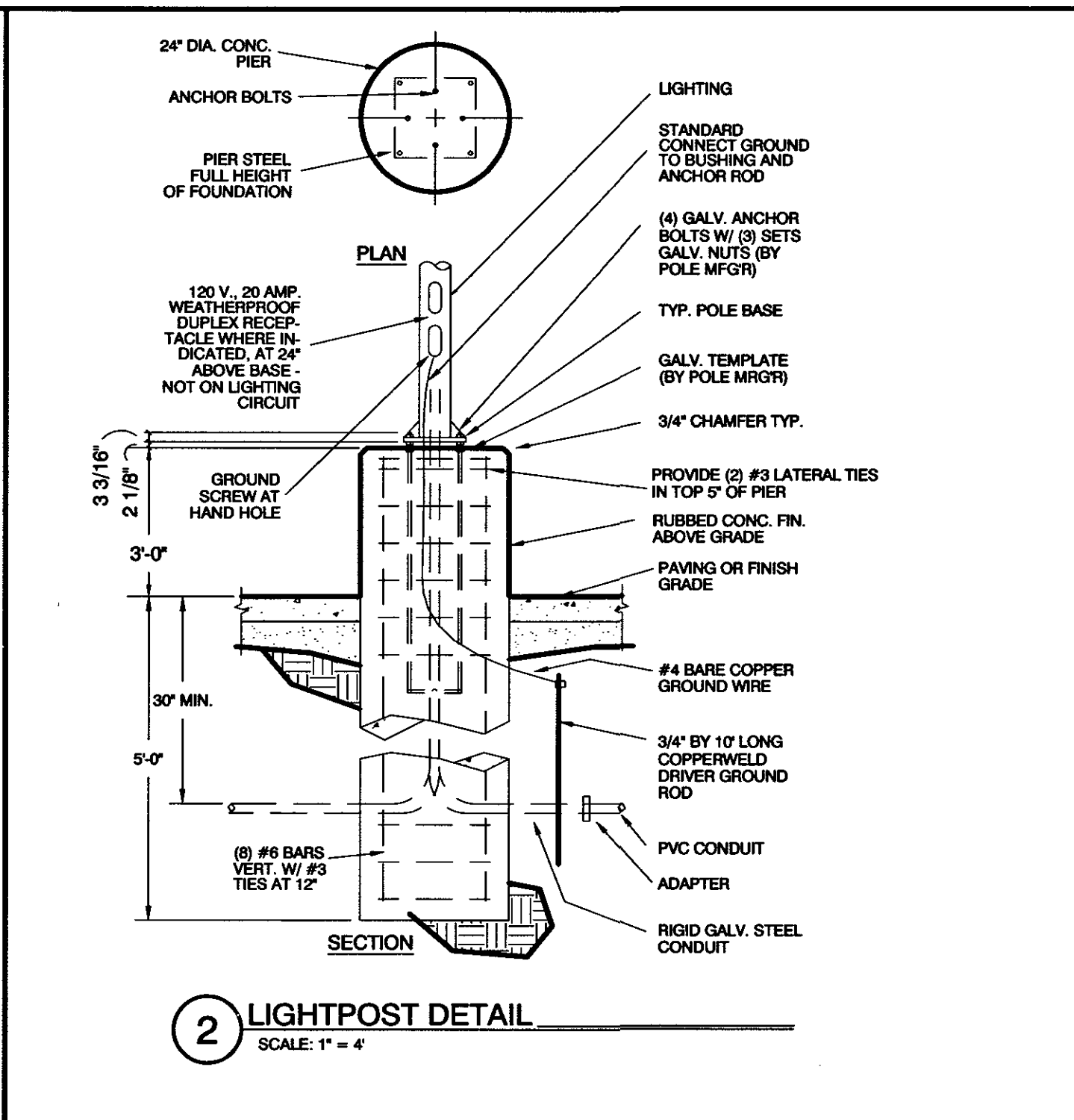
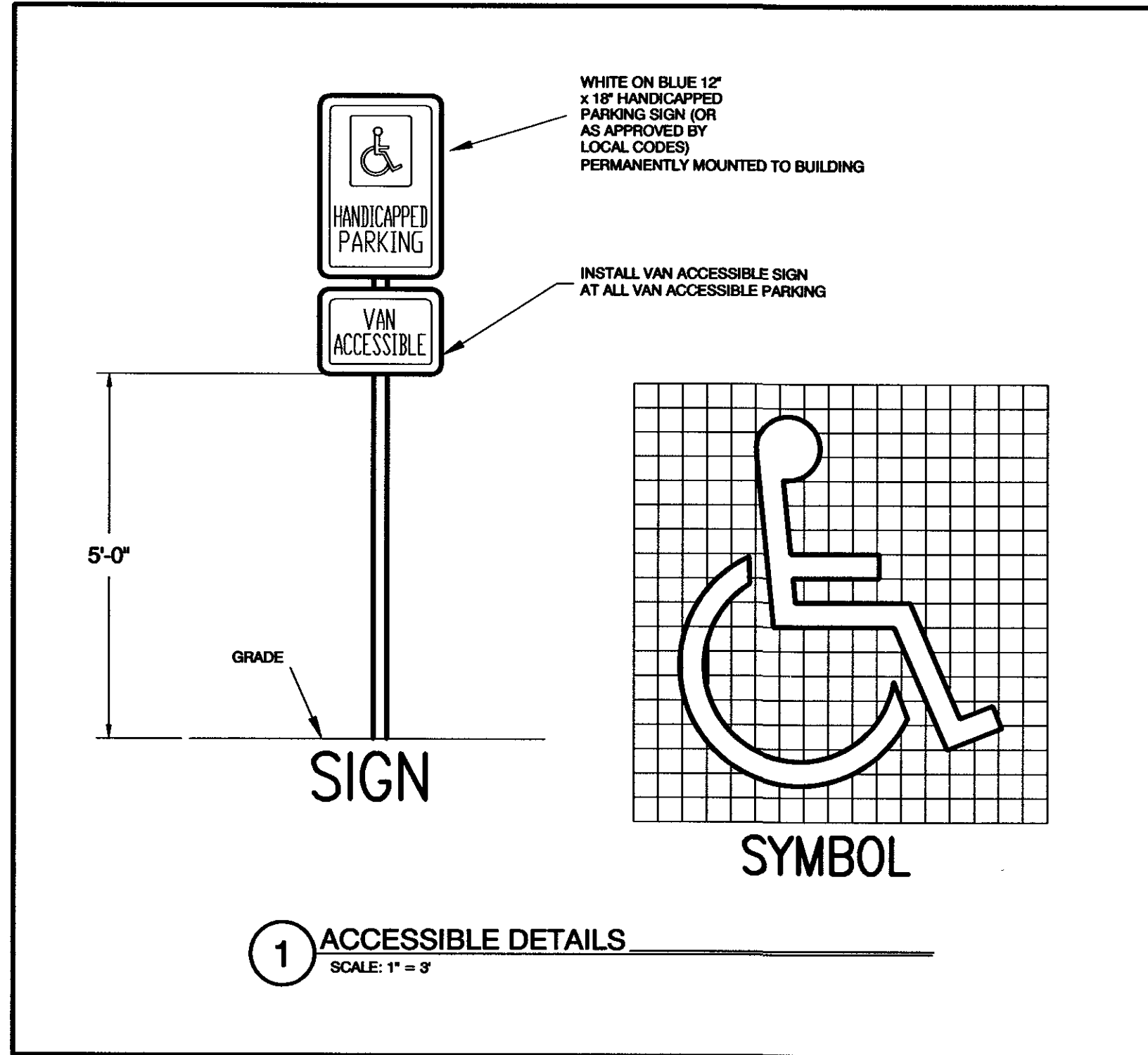
FIXTURE SCHEDULE		
SYMBOL	WATTAGE	DESCRIPTION
	134	POLE MOUNTED LIGHTS, LED LITHONIA: DSX0 LED P6 40K T3M MVOLT
	268	TWO POLE MOUNT LIGHT, LED LITHONIA: DSX0 LED P6 40K T3M MVOLT
	15	BOLLARD LIGHT, LED LOUIS POULSEN: FLINDT-B, 31.5", CORTEN COLOR SEE 10/A8.2 FOR BOLLARD DETAIL

8/30/2018  
DATE:  
JOB NUMBER:  
1" = 20'  
SCALE:  
R.N.  
DRAWN:  
J.H.C.  
CHECKED:  
PROFESSIONAL SEAL  
JOHN H. CRAVEN  
STATE OF UTAH  
7/25/19

**M**  
**RW**  
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**PHOTOMETRIC PLAN**  
NEW JAPANESE STEAKHOUSE & SUSHI  
NEAR 1100 EAST & ST. GEORGE BOULEVARD  
ST. GEORGE, UTAH 84770



9/20/2018  
DATE:

JOB NUMBER:

1" = 40'  
SCALE:

R.N.  
DRAWN:

J.H.C.  
CHECKED:

M

RW

DESIGN

ASSOCIATES INC.

ARCHITECTURE & CONSULTING ENGINEERS

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SITE DETAILS

NEW JAPANESE STEAKHOUSE & SUSHI

NEAR 1100 EAST & ST. GEORGE BOULEVARD

ST. GEORGE, UTAH 84770

C8.1

OF SHEETS

01/14/2019 ST. GEORGE CITY PLAN REVIEW  
REVISIONS

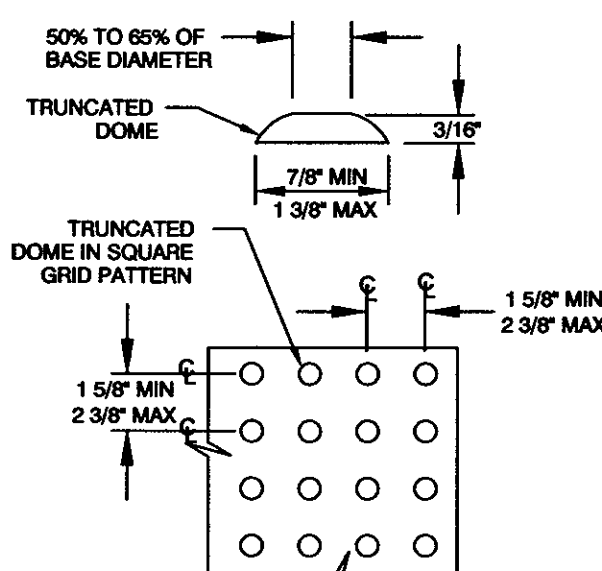


### CORNER PEDESTRIAN RAMP SINGLE CROSSING

## SECTION A-A

**NOTES:**

1. DIMENSIONS SHOWN IN THE SLOPE TABLE ON ARE NOT SUBJECT TO CONVENTIONAL INDUSTRY TOLERANCES. CONSTRUCT SIDEWALKS AND RAMPS SUCH THAT THE MAXIMUM OR MINIMUM VALUES ARE NOT EXCEEDED. WORK THAT EXCEEDS THOSE VALUES WILL NOT BE ACCEPTED.
2. PROVIDE DETECTABLE WARNING SURFACE FOR FULL WIDTH OF CURB CUT. LOCATE DETECTABLE WARNING SURFACE SO THE CORNERS NEAREST THE STREET ARE WITHIN 1 INCH OF THE BACK OF CURB.
3. RAMP GRADE BREAK MUST BE PERPENDICULAR TO THE RUNNING SLOPE.
4. CLEAR SPACE AND TURNING SPACE SIZE: 4 FT MIN. X 4 FT MIN.
5. CROSSWALK DELINEATION IF REQUIRED ON PROJECT STRIPPING PLAN.



**DETECTABLE WARNING SURFACE**

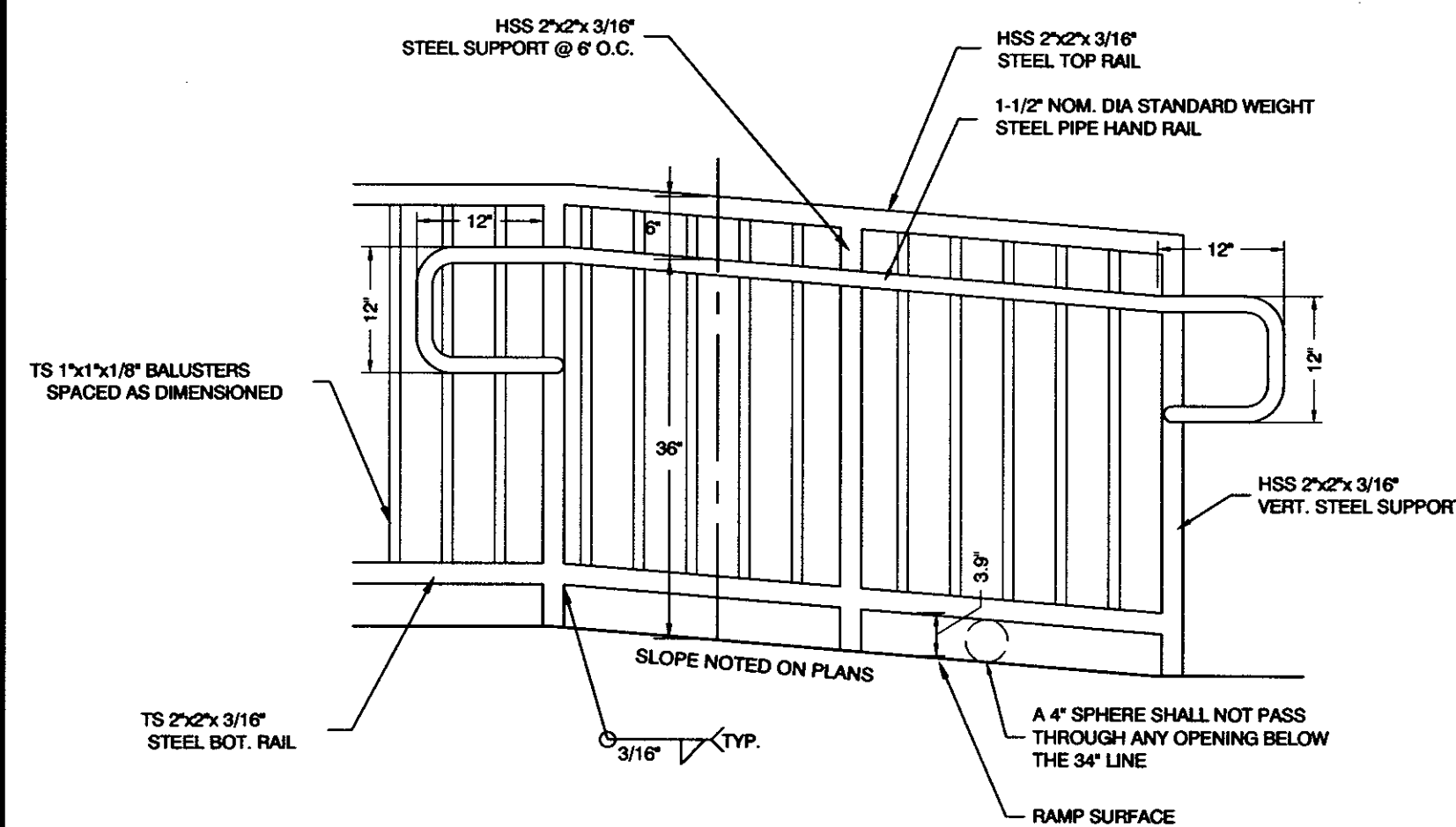
SLOPE TABLE			
	ITEM	MAX. RUNNING SLOPE *	MAX. CROSS SLOPE *
(T)	TURNING SPACE	2%	2% (c)
(R)	RAMP	8.33% (a)	2% (c)
(C)	CLEAR SPACE	5% (b)	2% (c)
(S)	SIDEWALK	STREET GRADE	2%

\* RUNNING SLOPE IS IN THE DIRECTION OF PEDESTRIAN TRAVEL. CROSS SLOPE IS PERPENDICULAR TO PEDESTRIAN TRAVEL.

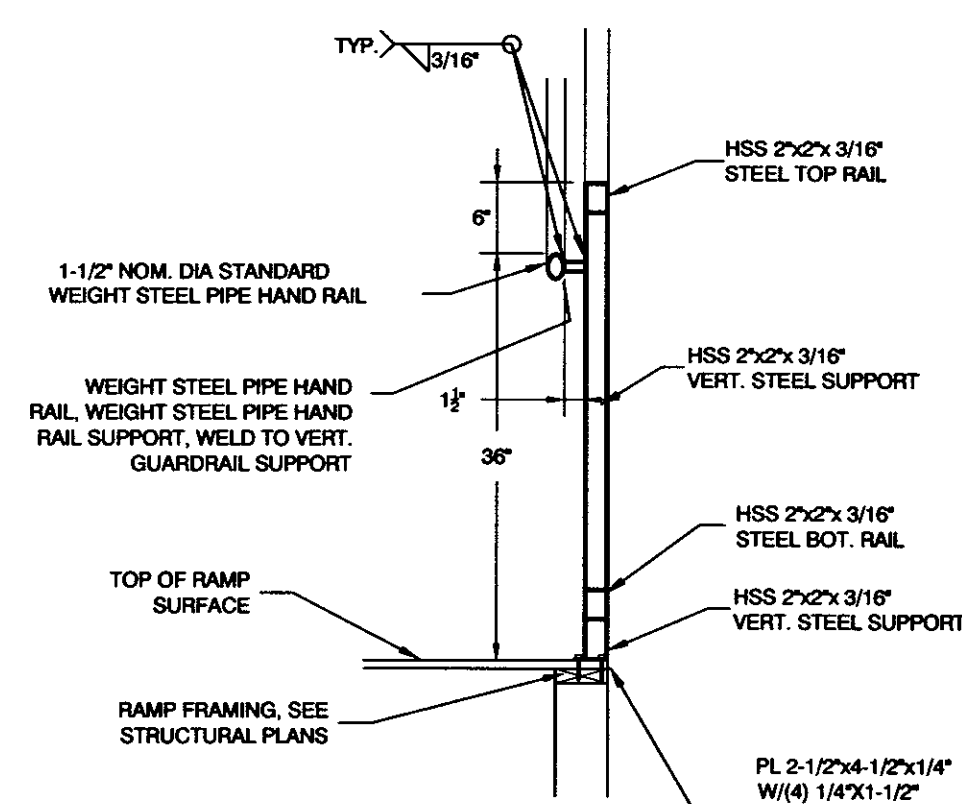
- (a) LENGTH OF RUNNING SLOPE FOR PARALLEL RAMPS IS NOT REQUIRED TO EXCEED 15 FT.

- (b) MAINTAIN CONSISTENCY OF CLEAR SPACE RUNNING SLOPE ACROSS ENTIRE CURB CUT. WARP GUTTER PAN TO MEET REQUIRED CLEAR SPACE SLOPE AT CURB CUT.

- (c) DO NOT EXCEED THE ROADWAY PROFILE GRADE FOR THE CROSS SLOPE AT CROSSWALKS WITHOUT STOP OR YIELD CONTROL AND AT MID-BLOCK CROSSWALKS.

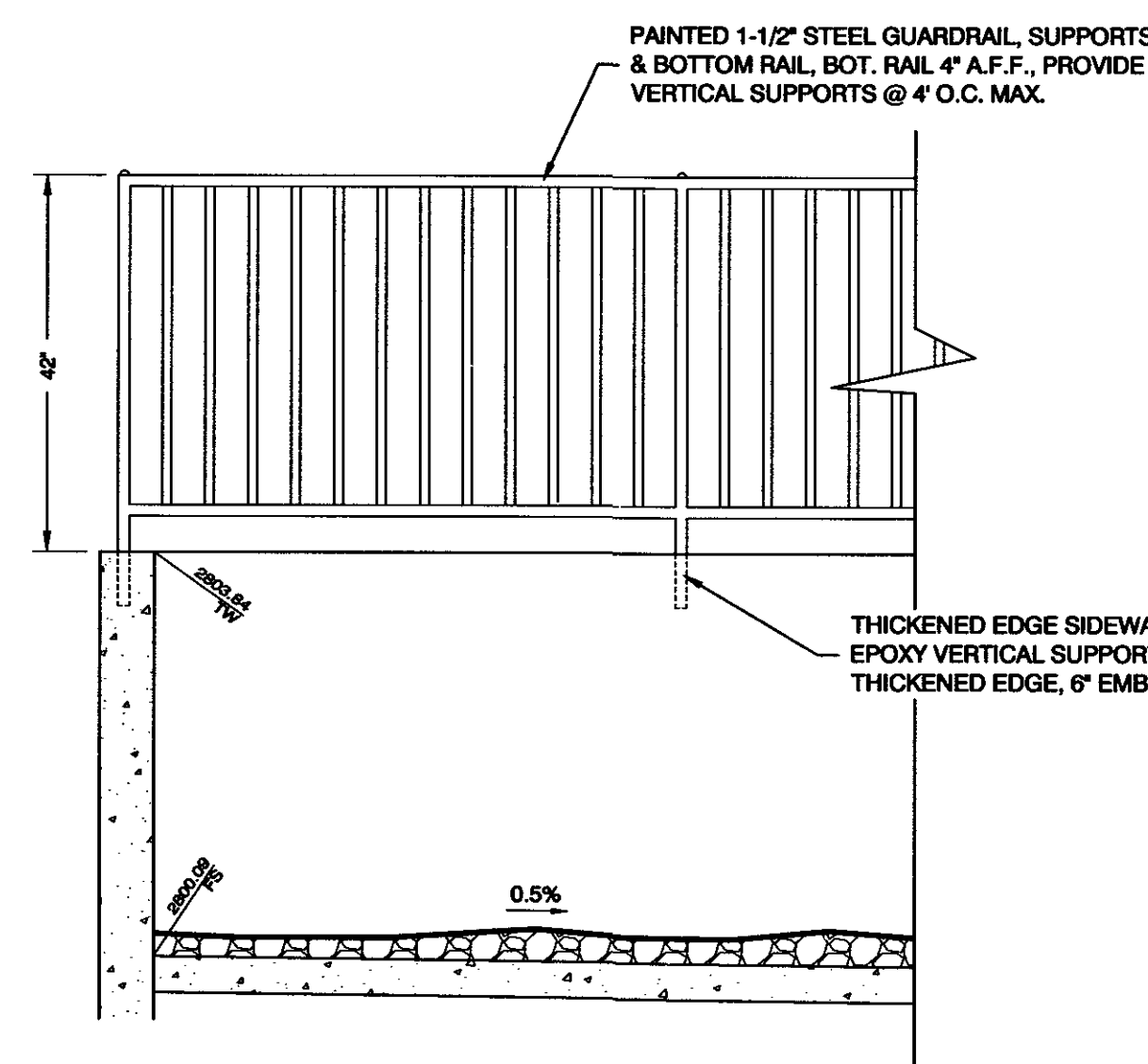


### RAMP SECTION

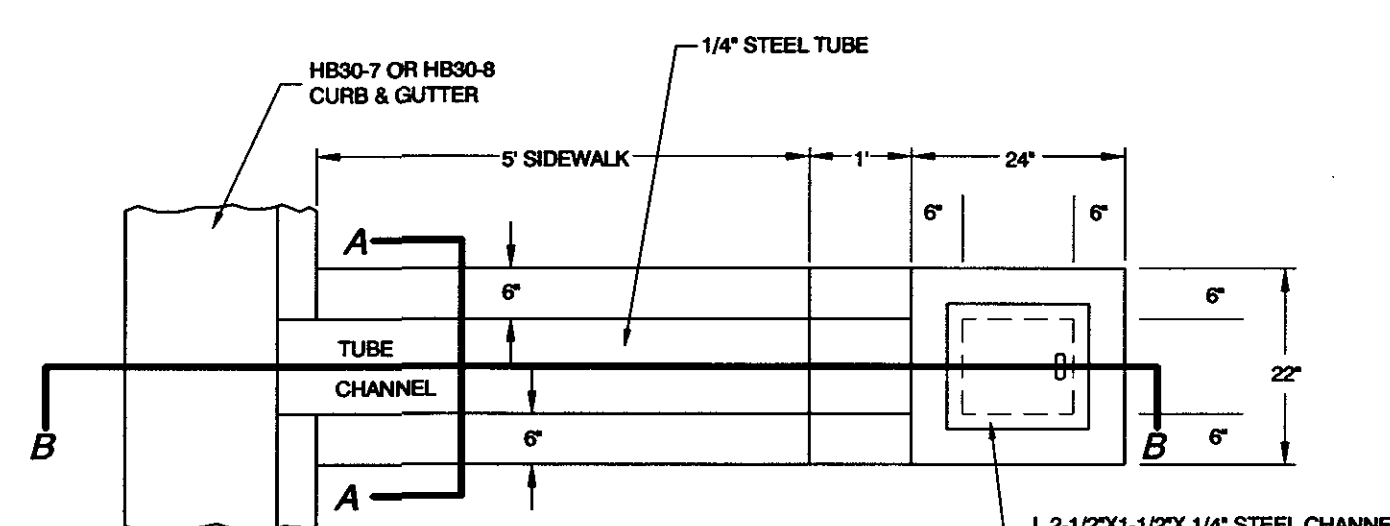


### HANDRAIL SECTION

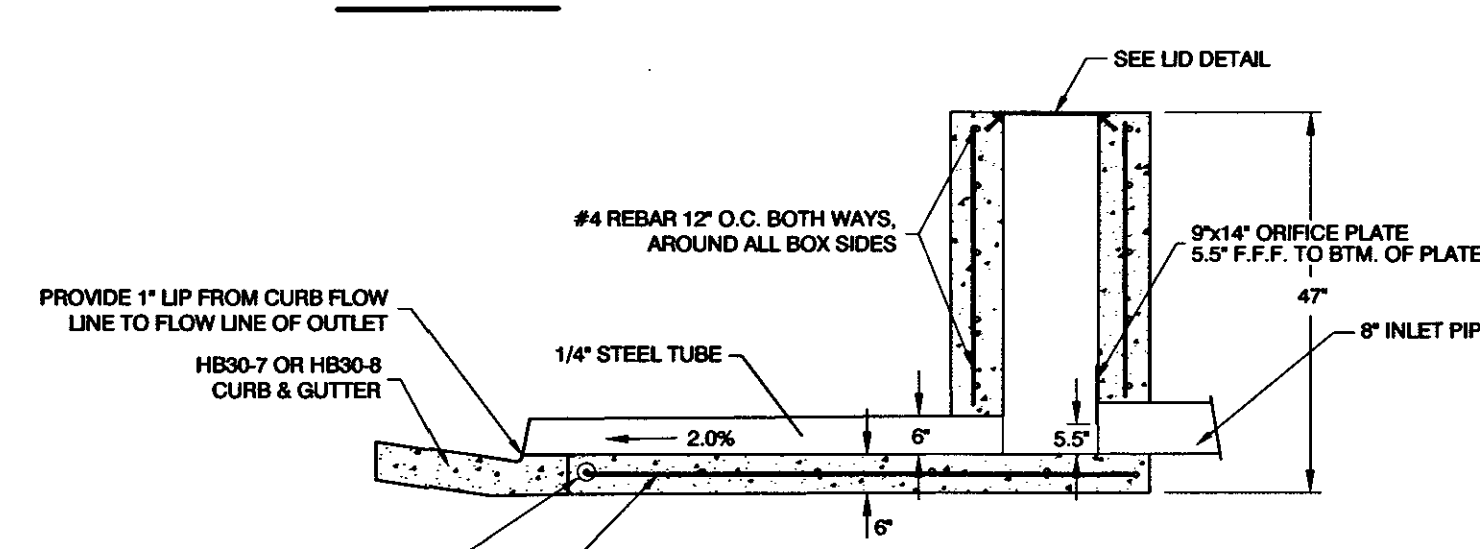
**3 RAMP GURARDRAIL/HANDRAIL**  
SCALE: N.T.S.



**7 DETENTION BASIN GUARD RAIL DETAIL**  
SCALE: N.T.S.

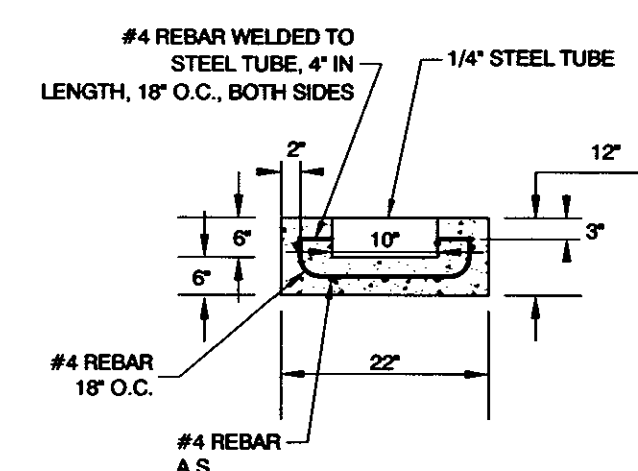


**PLAN VIEW**

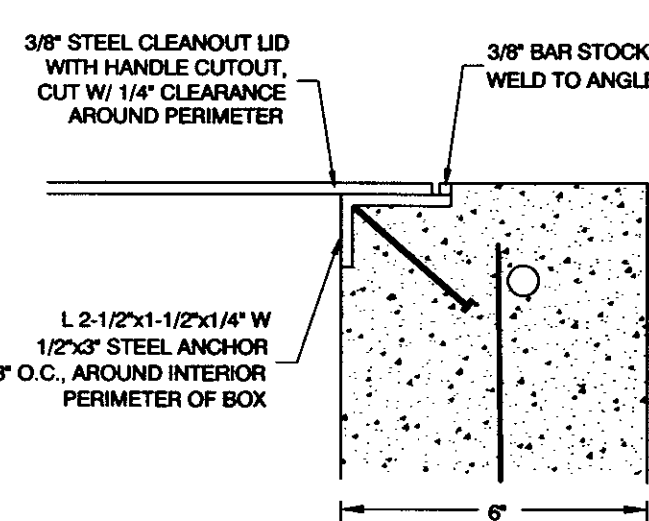


***X-SECTION B-B***

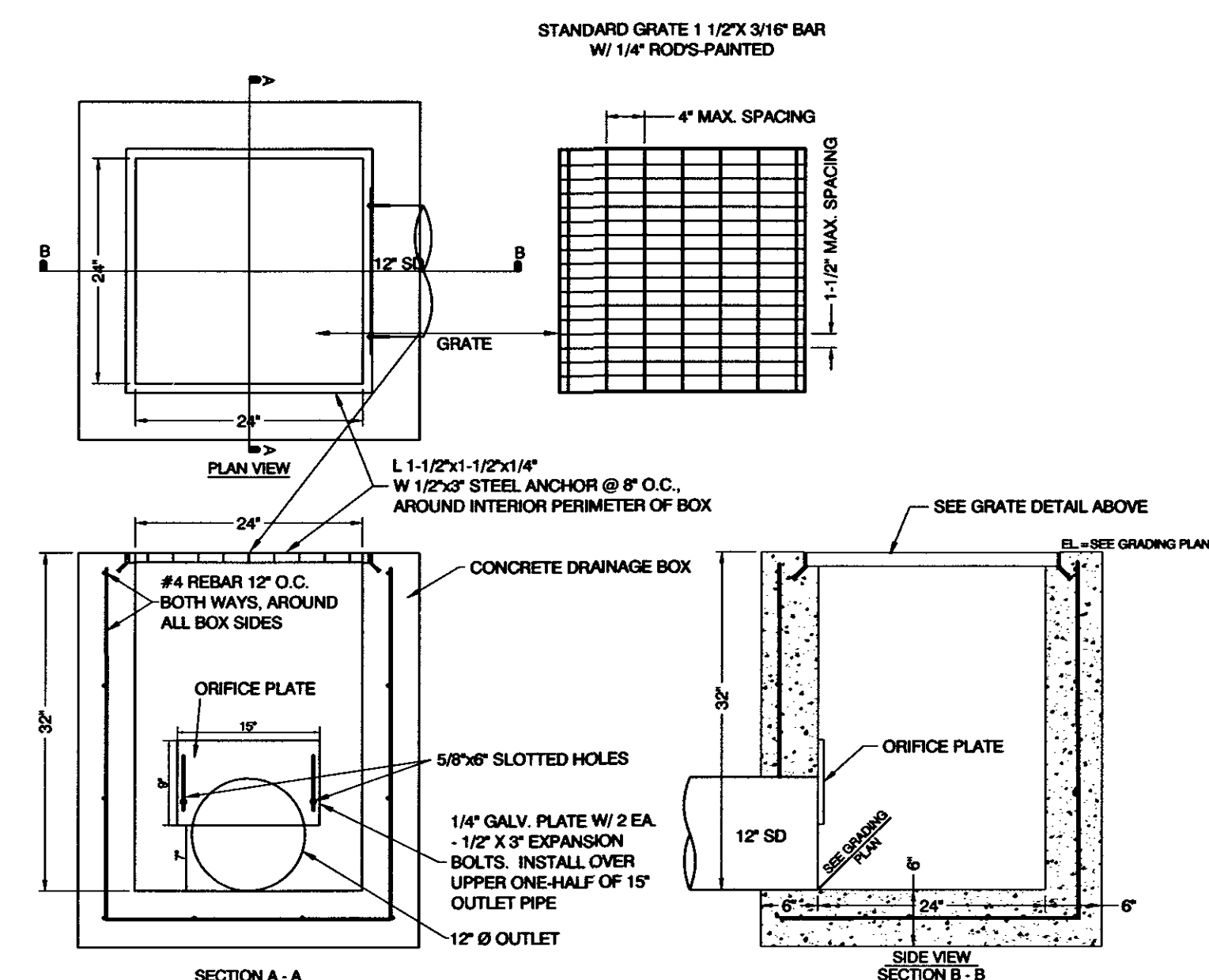
**6 CURB OUTLET**  
SCALE: N.T.S.



**X-SECTION A-A**



**LID DETAIL**



**5 DETENTION BASIN DRAINAGE BOX**  
SCALE: N.T.S.

ALL DETAILS TO CITY OF ST. GEORGE STANDARDS.

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	DATE:
	JOB NUMBER:
	1" = 40'
	SCALE:
	R.N.
	DRAWN:
	J.H.C.
	CHECKED:



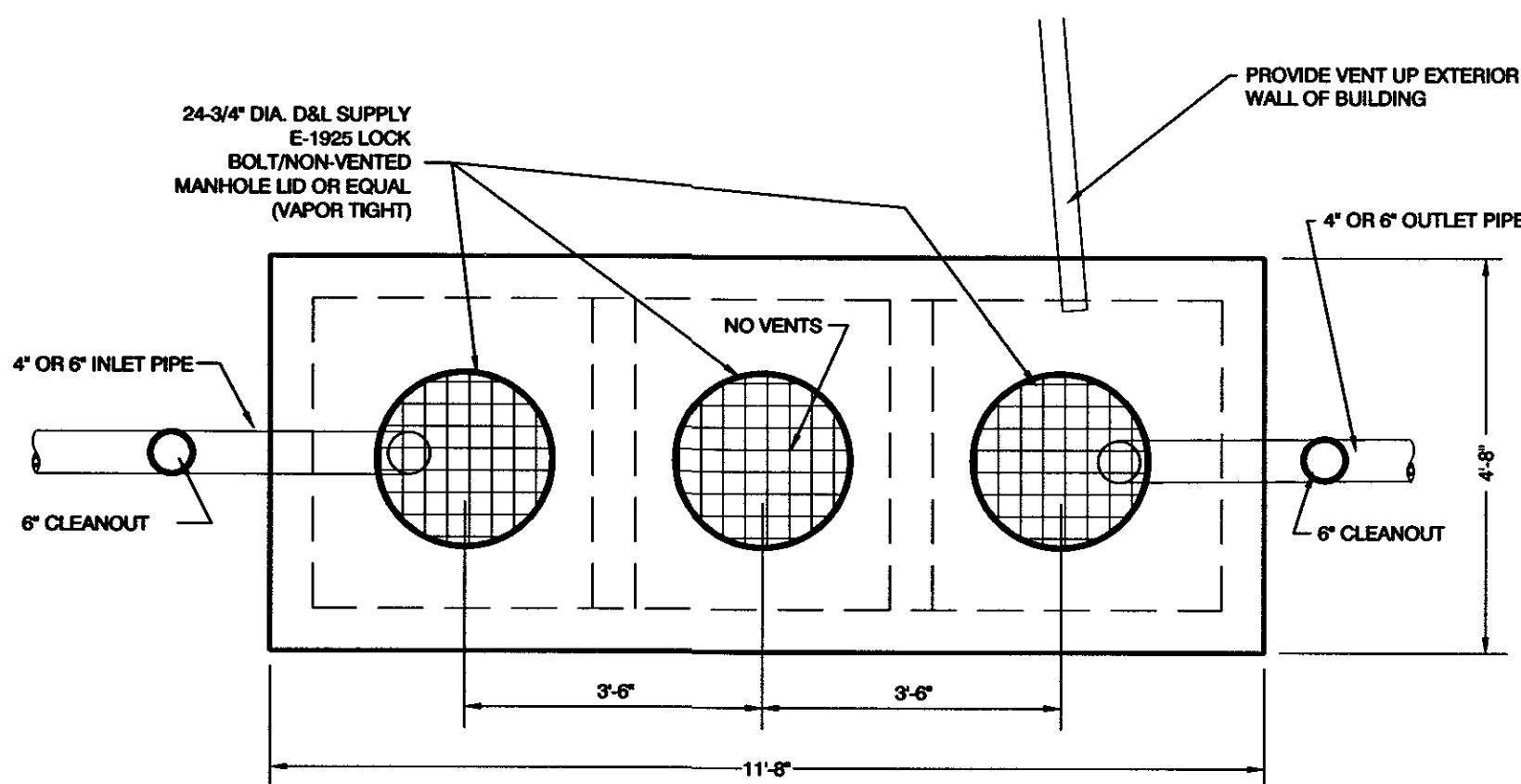
**DESIGN  
ASSOCIATES INC.  
ARCHITECTURE &  
CONSULTING ENGINEERS**

251 W. HILTON DR # 202  
P.O. BOX 2775  
ST. GEORGE UTAH 84770  
(435) 628-2377 (435) 673-3580  
[www.mrwdesign.com](http://www.mrwdesign.com)

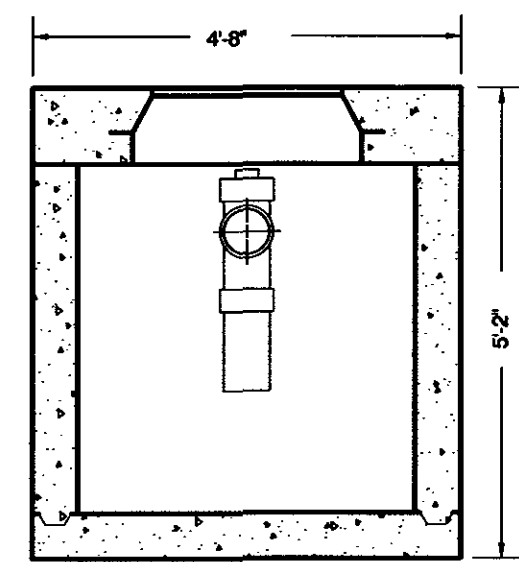
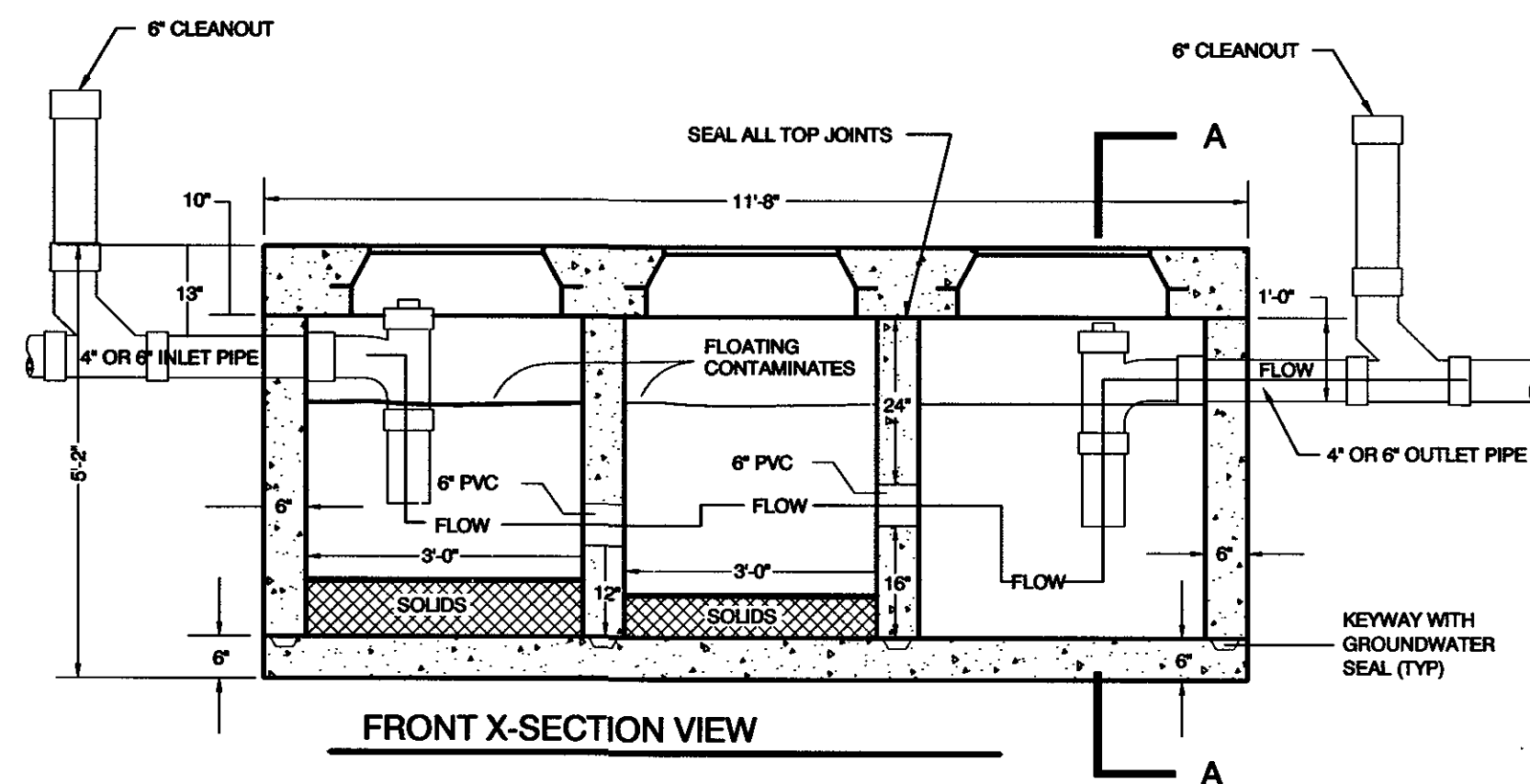
**SITE DETAILS**  
NEW JAPANESE STEAKHOUSE & SUSHI  
NEAR 1100 EAST & ST. GEORGE BOULEVARD  
ST. GEORGE, UTAH 84770

**C8.2**  
OF SHEETS

1	01/14/2019	ST.GEORGE CITY PLAN REVIEW
	REVISIONS	



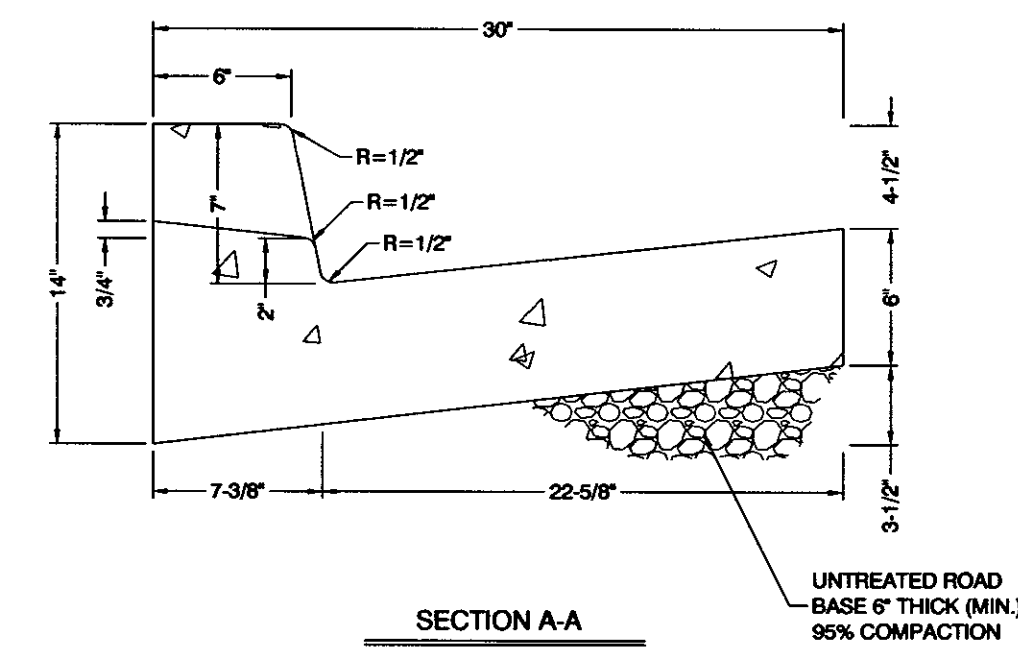
TOP VIEW



NOTES:

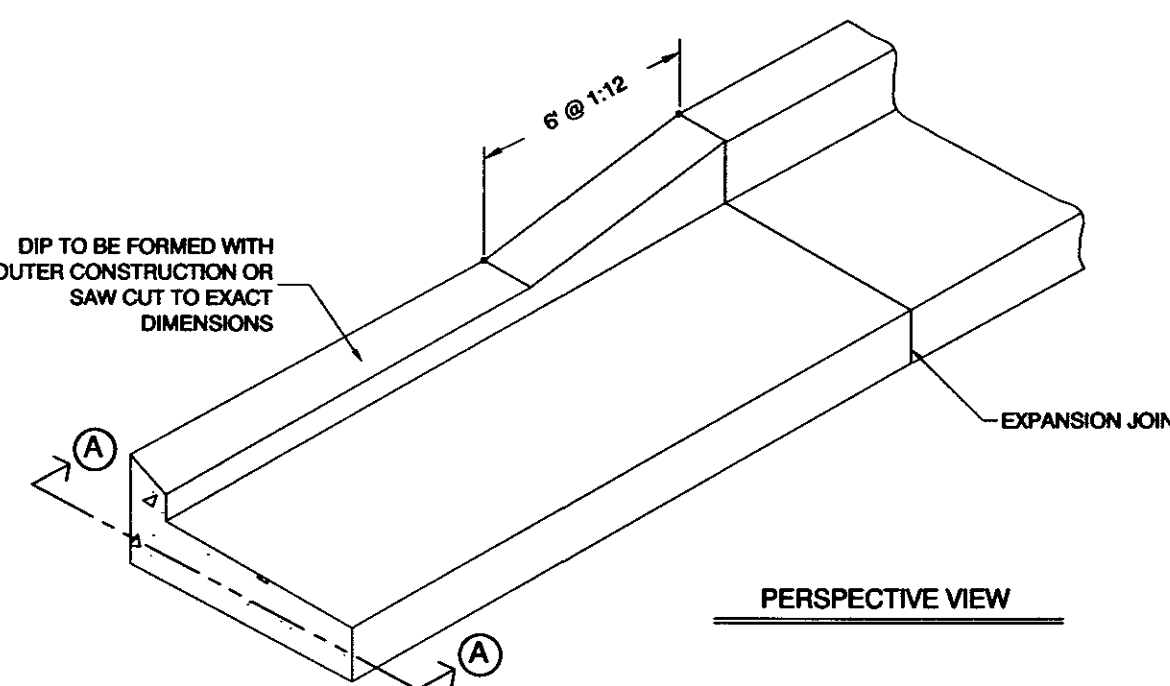
1. MATERIAL SPECS:  
A. CONCRETE PORTLAND CEMENT TYPE II. MINIMUM COMPRESSIVE STRENGTH=4500 PSI AT 28 DAYS.  
B. REINFORCING BAR INTERMEDIATE GRADE ASTM A615.  
C. REINFORCING WELDED WIRE MESH ASTM A185
2. UNIT COATED OUTSIDE WITH AN APPROVED PROTECTIVE COATING.
3. ALL DIMENSIONS +/- NOT TO BE USED FOR CONSTRUCTION PURPOSES UNLESS CERTIFIED.
4. PRECAST UNIT TO BE PLACED ON NATURAL SOIL OR APPROVED COMPACTED FILL.
5. STANDARD GROUND WATER SEAL: BUTYL ROPE MASTIC OR CEMENT MORTAR.
6. PRIOR TO BACKFILLING, INTERCEPTOR SHALL BE TESTED. TANK SHALL BE EXPOSED ON ALL SIDES AND FILLED WITH WATER AND SHALL HOLD WATER FOR A MINIMUM TEST PERIOD OF TWO HOURS.
7. SIZE CLEANOUT TO MATCH INLET/OUTLET.

3 ST. GEORGE CONTAMINATION SEPERATOR  
SCALE: N/A



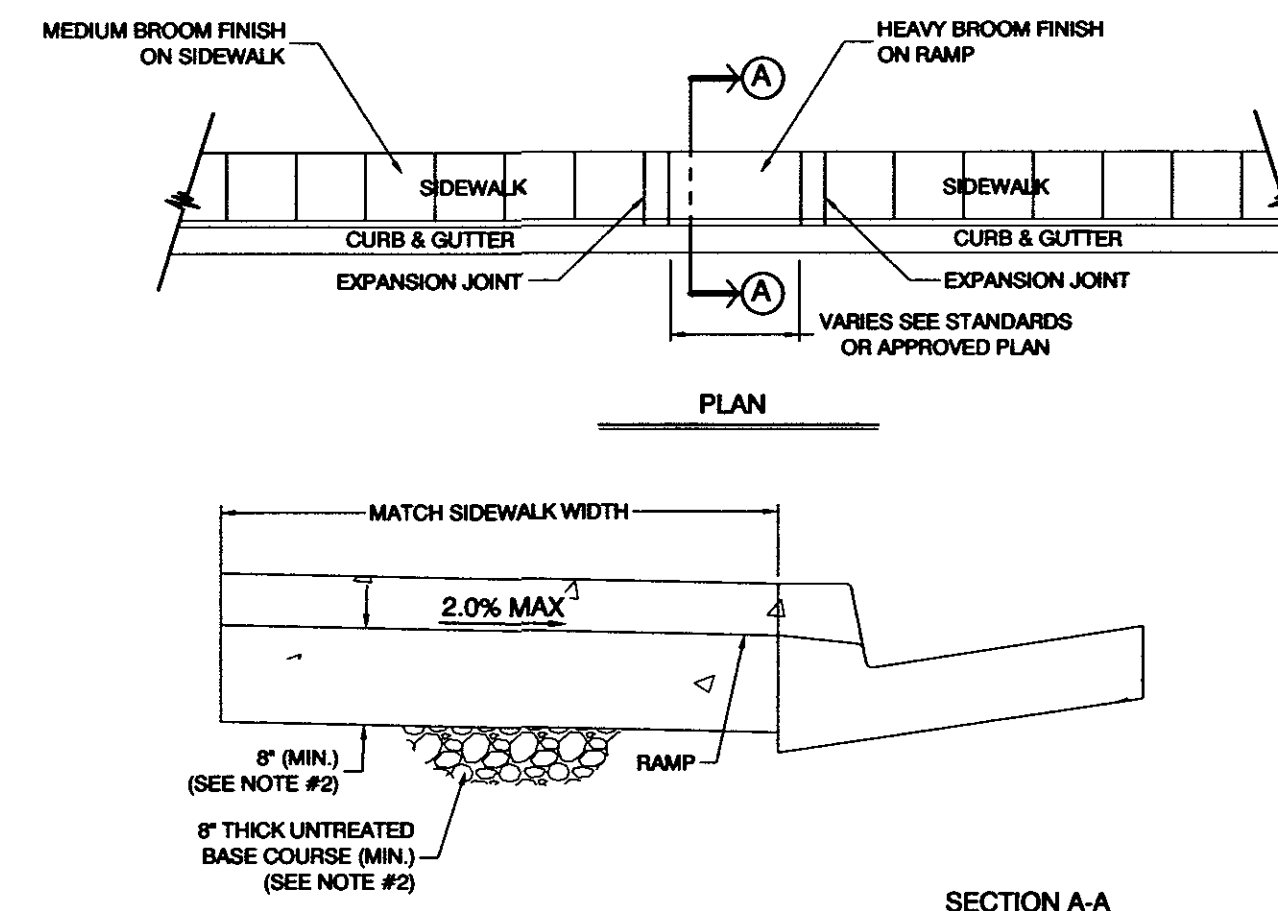
NOTES:

1. ALL CONCRETE SHALL BE CLASS "A" CONCRETE.
2. DISTANCE SHOWN IS FOR HB30-7 CURB ONLY.



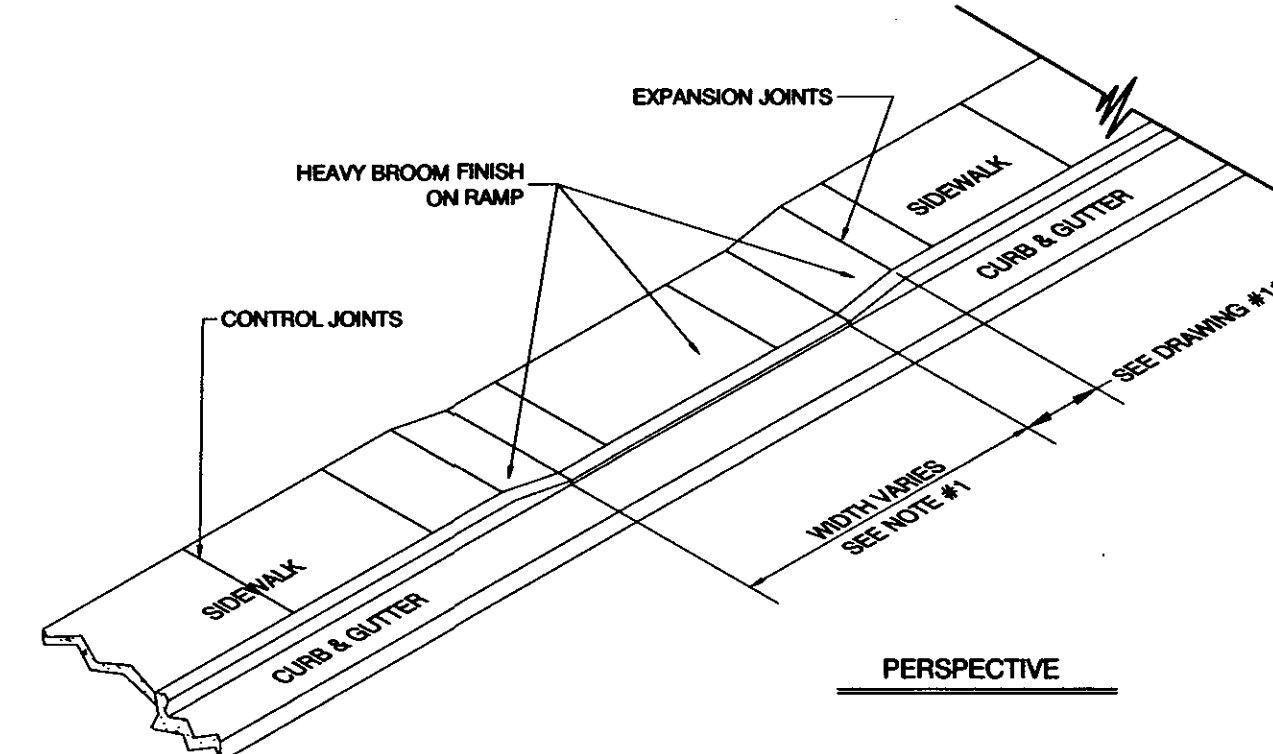
2 DRIVEWAY CURB (TYPE HB30-7)  
SCALE: N/A

ALL DETAILS TO CITY OF ST. GEORGE STANDARDS.

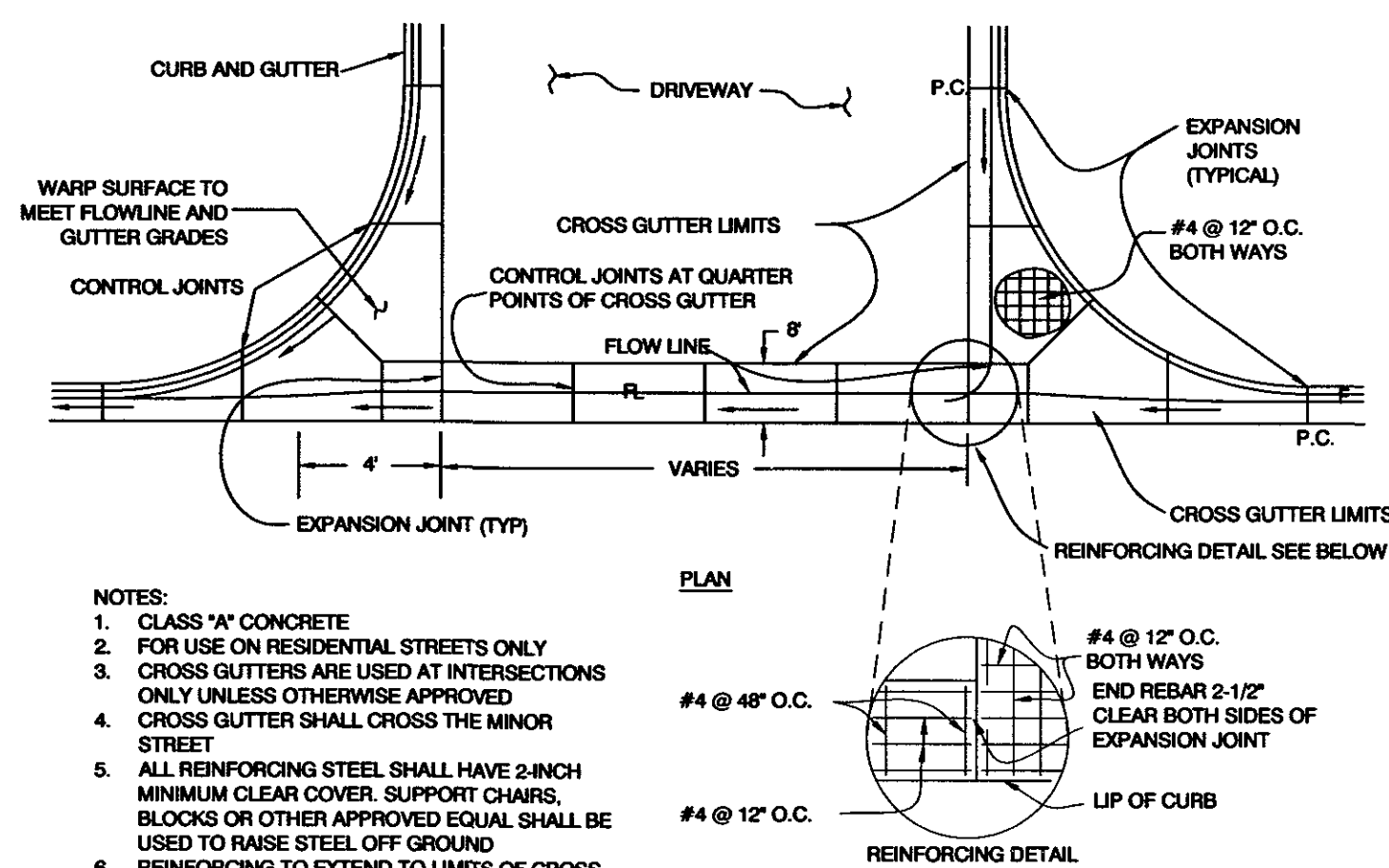
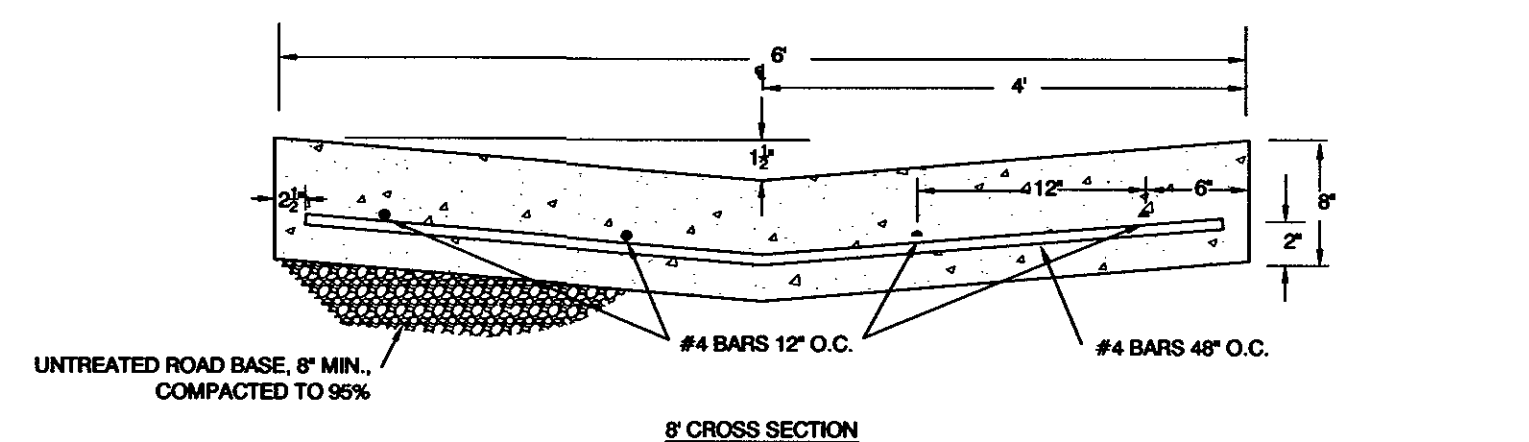


NOTES:

1. WIDTH OF DRIVEWAYS VARIES WITH USE - SEE CITY STANDARDS OR CONTACT ENGINEERING DEPARTMENT.
2. DRIVEWAYS WITH COMMERCIAL OR INDUSTRIAL USE REQUIRE ADDITIONAL THICKNESS. SEE ENGINEERING DEPARTMENT.



1 DRIVEWAY APRON DETAILS  
SCALE: N/A

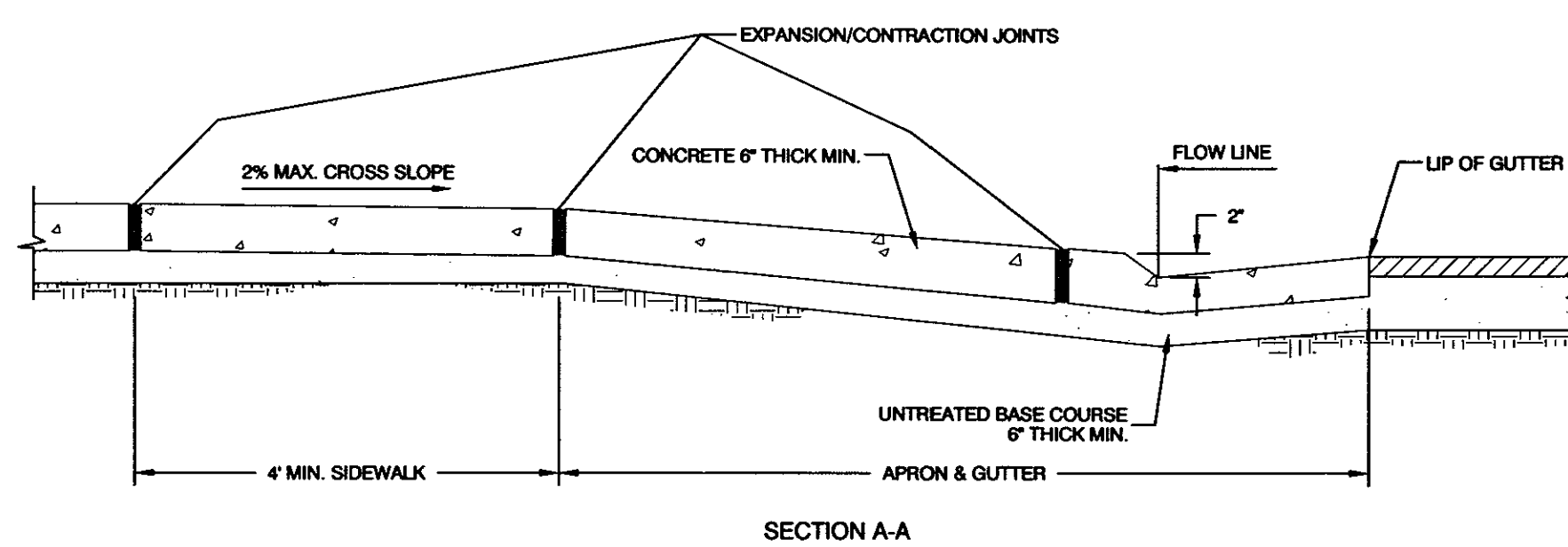
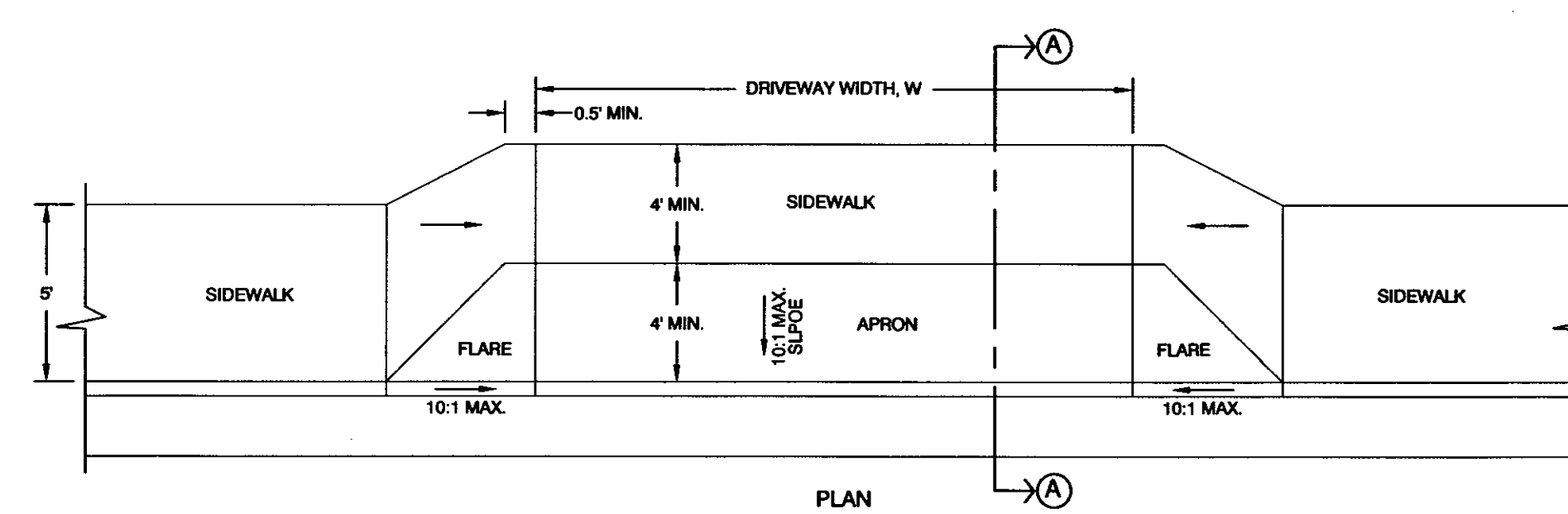


NOTES:

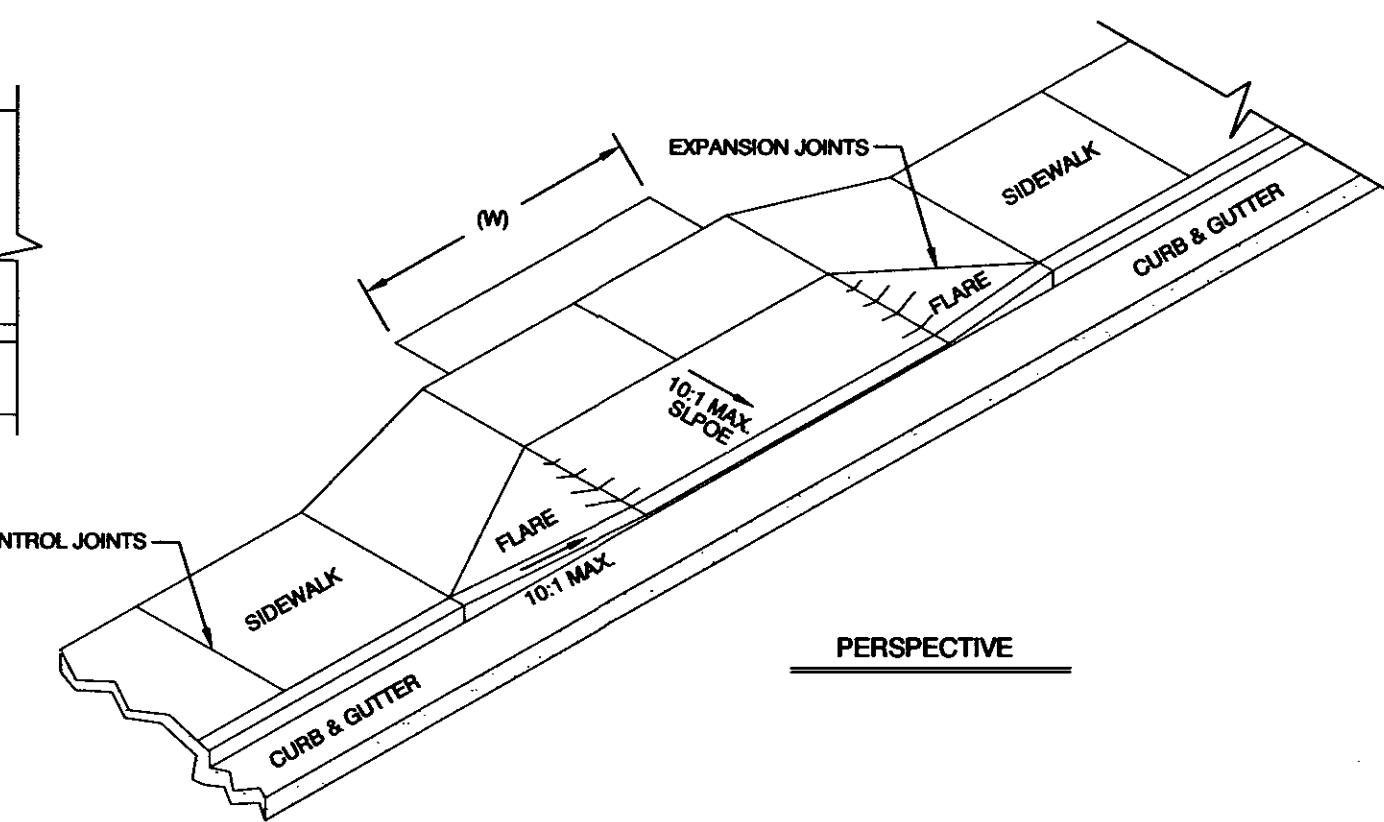
1. CLASS "A" CONCRETE
2. FOR USE ON RESIDENTIAL STREETS ONLY
3. CROSS GUTTERS ARE USED AT INTERSECTIONS ONLY UNLESS OTHERWISE APPROVED
4. CROSS GUTTER SHALL CROSS THE MINOR STREET
5. ALL REINFORCING STEEL SHALL HAVE 2-INCH MINIMUM CLEAR COVER. SUPPORT CHAIRS, BLOCKS OR OTHER APPROVED EQUAL SHALL BE USED TO RAISE STEEL OFF GROUND
6. REINFORCING TO EXTEND TO LIMITS OF CROSS GUTTER
7. ALL REINFORCING STEEL SHALL BE GRADE 60 ASTM A 615.

5 STANDARD 6' CROSS GUTTER  
SCALE: N.T.S.

ALL DETAILS TO CITY OF ST. GEORGE STANDARDS.



4 DRIVEWAY APRON DETAIL  
SCALE: N/A



NOTES:

1. SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%
2. WIDTH OF DRIVEWAY (W) VARIES - SEE CITY STANDARDS
3. DRIVEWAYS WITH COMMERCIAL OR INDUSTRIAL USE SHALL BE 8" THICK CONCRETE OVER 6" BASE COURSE
4. MAX. DISTANCE BETWEEN CONTROL JOINTS 10 FT. LAT & LON. SPACED EQUALLY
5. REMOVE EXISTING SIDEWALK AND REPLACE TO NEAREST EXPANSION/CONTRACTION JOINT